

ANNUAL TRUSTEE (activity) REPORT

[Minus individual Knowledge Hub Reports]

FOR 2018

'The Academy of Europe'

Registered office

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Registered with the Charity Commission, registration number 1133902

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Reports of the activity of the AE Knowledge Hubs for 2018 are available separately as follows;

Barcelona Knowledge Hub	(Annex 3) – on request
Bergen Knowledge Hub	(Annex 4) - on request
Cardiff Knowledge Hub	(Annex 5) - on request
Wroclaw Knowledge Hub	(Annex 6) - on request
Graz Information Centre	(Annex 7) – on request

NOTE: The Knowledge Hub reports are large files. They are available to download from www.ae-info.org
Or, on request from the individual Hub offices, or online at the following URLs;

Barcelona Hub at:	http://barcelona.acadeuro.org/
Bergen Hub at:	http://acadeuro.b.uib.no/
Cardiff Hub at:	http://aecardiffknowledgehub.wales/about-us/annual-reports/
Wroclaw Hub at:	http://acadeuro.wroclaw.pl/

Section 1: Governance

THE TRUSTEES, AND COUNCIL OF THE ACADEMIA EUROPAEA

Board of TRUSTEES (at 31 December 2018)

Officers

President:	Professor Sierd Cloetingh	Utrecht, (re-elected at AGM of 2017)
Vice President:	Professor Genoveva Marti	Barcelona, (confirmed by the AGM of 2018)
Hon. Treasurer:	Professor V Milutinovic 2019)	Montenegro, elected at AGM 2018, (from Jan 1
Hon Deputy Treasurer and VP ex officio	Professor Ole Petersen	Cardiff (appointed April 2016)
Co-opted Members:	Professor Theo D'haen Professor Eva Kondorosi Professor Don Dingwell Professor Svend Erik Larsen Professor Alex Verkhatsky Professor Bjorn Wittrock	Leuven, (till end 2019) Budapest (till end 2019) Munich, (till end 2018) Copenhagen, (till 2019) Manchester, (till AGM 2019) Uppsala, (till AGM 2021)
Appointed by Council:	Professor Kirsten Drotner Professor Dagmar Coester-Waltjen Professor Alain Peyraube	(to 2019) (to 2019) (to 2019)

At the time of writing this report, the number of independent members that are elected to Council was set at a maximum of three. The Chairs of the Academic Sections are *de facto* members of the Council. Periods of office of Section chairs are as described in the regulations. The list of Section chairs, as at 31 December 2018, is at annex 6 of this report. Three members of the Council are nominated by Council to the Board of Trustees. Professors Peyraube, Drotner and Coester were appointed by Council to the Board of Trustees, with effect from January 2017. Prof. D'Haen is the Editor-in-Chief of the European Review. Three class chairs had their mandates modified by agreement with the Council, as follows: Prof Buttimer till AGM 2017 (died during the year), Professor Wittrock was appointed as a replacement Class chair. Prof Dingwell until AGM 2018, Prof. Larsen until AGM 2019. A new Treasurer was elected in 2018 and took up office on January 1 2019. Professor Petersen (VP ex o) agreed to continue in support as Deputy Treasurer.

Class A1 – Humanities and Arts – Chair Professor Svend Erik Larsen (Trustee), VP ex o
Class A2 – Social and Related Sciences – Chair Professor Bjorn Wittrock (Trustee) VP ex o
Class B – Exact Sciences – Professor Don Dingwell (Trustee), VP ex o
Class C – Life Sciences – Professor Alex Verkhatsky Board member VP ex o

The composition of the Council as at 31st December 2018 is at annex 2. The Council is an advisory body to the trustees. Council did not meet in plenary session during 2018 as there was no significant business to transact. The trustees did consult electronically throughout the year with Council members on specific issues. Section chairs are members of the four Classes. Class committees have been assigned responsibility for the management of the nominations and selection process for new members and will increasingly be responsible for delivery of activity programmes as envisaged by the Strategic Plan 2019 – 2024. In 2019 the trustees will review the necessity of maintaining an advisory Council.

London General Secretariat

Executive Secretary: Dr David Coates
Senior Administrator: Ms Teresa McGovern
Accounts and payroll: Outsourced to Keith Vaudrey & Co.
Membership Secretary: Function partially provided by the Wroclaw office
Membership administration and database outsourced: Technical University of Graz. Contact is Ms Dana Kaiser

The Executive Secretary is the *de facto* CEO and Company Secretary, with responsibility for day-to-day operations of the London office; oversight of the regional hubs and secretariat support to the Board and other committees.

The registered office is at Room 251, Senate House, University of London, Malet Street. London WC1E 7HU

Barcelona Hub (<http://barcelona.acadeuro.org/>)

Academic Director: Professor Ricard Guerrero.

Assistant: Kimberley Katte

Bergen Hub (www.acadeuro.b.uib.no/)

Academic Director: Professor Eystein Jansen

Assistant: Ms Kristen Hansen; Kristen Svartveit

Cardiff Hub (www.aecardiffknowledgehub.wales/)

Academic Director: Professor Ole Petersen (Treasurer).

Hub Manager: Ms Louise Edwards, Esther Dorado Ladera

Office manager: Juliet Davies

Graz data Centre. Responsible (under contract) for delivery, support, development and content management of the AE corporate website (www.ae-info.org) and the membership database. The data centre team include: (Director) Professor Frank Kappe, Project Manager H. Leitner, M.Sc., Chief Programmer Robert Hoffmann and Main Editorial Management Dana Kaiser, M.A.

Wroclaw Knowledge Hub (www.acadeuro.wroclaw.pl/)

Academic Director: Professor Arkadius Wojz

Administrators: Ms Kasia Majkowska

Examiner of Accounts

Keith Vaudrey & Co
Chartered Certified Accountants
58 Kensington Church Street
London W8 4DB

Principal Bankers

NatWest Bank Plc
PO Box 2AG
63, Piccadilly
London W1A 2AG

Solicitors

Hewitson Becke+Shaw
Shakespeare House
42, Newmarket Road
Cambridge. CB5 8EP

Note: The legal and administrative information in the report and financial statements forms a part of the trustee's report.

Section 2: The structure and mission of the Academia Europaea

Prior to 2010 the Academia Europaea operated under a Deed of Trust and was registered as a Charity with the Charity Commission of England and Wales (former registration number 1001978).

On 23 September, 2009: the Academia Europaea was incorporated as a Company limited by Guarantee and was registered at Companies House (number 07028223). See: <https://beta.companieshouse.gov.uk/company/07028223> .

The Company was also registered as a not-for-profit charity (registration number 1133902, see

<http://apps.charitycommission.gov.uk/Showcharity/RegisterOfCharities/CharityWithoutPartB.aspx?RegisteredCharityNumber=1133902&SubsidiaryNumber=0>

Governance and management

The affairs of the Academia Europaea are managed by a Board of Trustees. There is a consultative Council and other operational sub-committees that are described in annex 1. Elections and appointments to the Board and to the Council are as described in the regulations. These can also be found on the corporate website at www.ae-info.org.

The officers of the Academia (President, Vice President(s) and Honorary Treasurer) are elected by members. Other Trustees are either appointed from the Council, or co-opted directly by the Board. The AGM confirms these appointments in accordance with the regulations. The Vice Presidents (ex officio) are recommended by the President and appointed by the Board of Trustees for a defined term.

Training and induction of new Trustees

New Trustees are provided with a copy of the statutes and regulations; governance documents and sets of minutes of the past year meetings. Trustees also receive copies of documents describing the role and responsibilities of Directors and Trustees and links to the appropriate Charity Commission and Company House websites.

The mission of the Academia Europaea

The Academia Europaea is an international, non-governmental association of individual scientists and scholars, who are experts and leaders in their own subject areas as recognised by their peers.

The Academia will:

- Promote European scholarship and research and increase the wider appreciation of its value and importance
- Make recommendations to national governments and international agencies concerning matters affecting science, scholarship and academic life in Europe.
- Encourage interdisciplinary and international research in all areas of learning, particularly in relation to European issues.
- Identify topics of trans-European importance to science and scholarship, and propose appropriate action to ensure that these issues are adequately studied.

The Academia will endeavour to:

- Encourage the highest possible standards in scholarship, research and education.
- Promote a better understanding among the public at large of the benefits of knowledge and learning, and of scientific and scholarly issues, which affect society, its quality of life and its standards of living.

Charitable objectives:

The advancement and propagation of excellence in scholarship in the humanities, law, the economic, social and political sciences, mathematics, medicine, and all branches of natural and technological sciences anywhere in the world for the public benefit and for the advancement of the education of the public of all ages in the aforesaid subjects in Europe

Section 3: Trustees' report for the period ended 31 December 2018

The trustees would like to thank all of the organisations that have sustained the Academia through their generous general financial sponsorships in particular the authorities supporting the Barcelona Knowledge Hub and the German National Academy of Sciences (Leopoldina) - a Patron member of the Academia Europaea, and those other foundations and organisations that have contributed to specific events and activities of the Academia during the period of this report. These organisations are identified in various places within this report and in the separate accounts and have been identified within with the various 'reports to members' of events held during the current period, where appropriate. The Trustees have been active in their engagement in the affairs of the Academia and a majority have attended every Board meeting. Trustees have been active in monitoring the affairs of the Academy. The Trustees wish to express their gratitude to the elected officers of the Academy for their hard work on behalf of the membership, in particular to thank Ole Petersen for his varied service as Hon treasurer (pro tem) and also in his capacity as senior VP (ex o) in representing the AE in external project boards.

This reporting period was carried out against the background of an improving financial picture. There were no new core sponsors, but a valuable increase in member donations received over the year. Additional unreserved income was also realised from the overhead accrued through participation in the European Commission Horizon 2020 funded project – SAPEA. The net result as expressed in the annual accounts for 2018 was an unrestricted funds reserves carried forward to 2019 of £64,404.

The trustees are fully aware of the need to continue to search for new sources of sponsorship, in particular to support core costs and essential infrastructure. The Trustees therefore implemented the recommended level of member donations requested in 2018, and set new rates for 2019 in accordance with an age-related banding system. The trustees wish to acknowledge support received in 2018 from the following organisations; The Riksbankens Jubileumsfond; the Heinz Nixdorf Foundation for their renewal of sponsorship of the Erasmus Lecture, the Technical University of Graz for their dedicated I.T. and corporate web support, the Wenner Gren Foundations in Stockholm for support to the HERCuLES group events. In addition, the Trustees are grateful to Professor Balazs Gulyas for his management of the Erasmus Medal process and Professor Eva Kondorosi for her generous financial support to the Adam Kondorosi Prize. Further financial support was secured locally at the Regional Knowledge Hubs for new initiatives that were organised by and run through the hubs. Hub activity reports for 2018 are annexed and available at the end of this report.

The trustees are pleased to report that in 2018, inter – organisational links were further strengthened with a number of European federation organisations (ALLEA, FEAM, EASAC and euroCASE) and the Horizon 2020 Policy project – SAPEA continued successfully. The project (SAPEA) is described in detail in the report. Through the President and Prof. Eva Kondorosi (AE trustee) in her capacity as an ERC Vice-president: the AE also engaged in a number of specific activities that responded to policy issues across Europe. A specific focus on strengthening links with Eastern European and Southern European communities, including in the Balkan region in collaboration with the ERC and COST mechanism was a feature. Negotiations took place to establish a fifth Regional Knowledge Hub in Tbilisi, Georgia. This is expected to reach completion in 2019. Plans are also in hand for a new (sixth) Hub to be based in Munich.

The trustees are pleased to report a further widening of the membership of the Academia Europaea with the admission in 2018 of 247 scholars. The trustees also continued to support the further development of the Young Academy of Europe, in recognition of the AE mission to promote young researchers. The Trustees continue to recognise the immense support provided by the sponsors of the Regional Knowledge Hubs. The Hubs are financed with local support and are not reliant on core financial support from central funds for their day-to-day operations. The Bergen hub was successfully transferred to the authorities of University of Bergen under new direction.

Following the 2016 referendum to leave the European Union: The implication of a future departure of the UK (BREXIT) was considered again by the Trustees in 2018. However, as the Academia Europaea does not rely for its operational existence on any formalised funding from the European Union (other than as a partner in the Horizon 2020 research programme funded SAPEA project, which will end at the time of the end of the exit transition period). The AE has a membership of individuals drawn from the whole continent of Europe and from beyond Europe. The Trustees consider the risks to the continuation of the Academia as a UK registered and domiciled charity to be negligible at this time. The situation will be kept under review and any necessary steps will be taken to ensure a continuation, including any changes in jurisdiction if needed. The UK government confirmed during the year that all organisations in receipt of EU project grants from Horizon 2020 would have their funding guaranteed in the event of an exit without a negotiated settlement of research participation. Discussions commenced with The Bergen Hub on the possible establishing of a new not for profit subsidiary legal entity to facilitate continuing engagement with the European Union for project financing.

The Trustees, are pleased to place on record, their belief that at the time of compilation of this report, there are no additional or unforeseen risks that may place the continuation of the charity in jeopardy.

Public benefit statement

Over the year the Academia has published articles and papers in commercial journals; organised academic meetings and conferences in the UK and across the continent that are open to young scholars and to the interested public in all areas of operation. The Academia has provided prizes and awards to support and recognise researchers in pursuit of their scholarship. To enhance the accessibility of the European scholarly community to the public, the Academia has maintained and enhanced its Web portal and has contributed to the betterment of European Policy through participation in providing expert, impartial advice to authorities and governmental organisations and has supported the Young Academy of Europe. A full description of all of the main activities is included elsewhere in this report.

The trustees have consulted the guidance made by the Charity Commission for England and Wales on the Public Benefit requirement of the charities Act 2011. The Trustees are confident that they have complied with their duty under section 4 of the Charities Act 2011 in that they have had a due regard to public benefit guidance published by the Commission.

Future Plans

In the coming year the trustees will continue to deliver the mission of the Academia through the running of appropriate workshops, publications and related activities. A new Strategic Plan will be published in 2019. More focus will be given to activity through the four regional hubs. The trustees will explore new opportunities to expand the network of regional Hubs and also seek alternative models of financing and support for provision of communications infrastructure. The Young Academy of Europe will continue to be supported, specifically to provide a focus to engage with and support young researchers from across the UK and Europe, who are embarking on an academic and research career. The AE engagement in European Science policy advice will be strengthened through taking a lead on topics within the Science Advice Policy project (SAPEA) funded by the European Commission and the trustees will endeavour to find additional core funding and sponsorship sources for activity. The Trustees will especially focus on ensuring that its UK based

membership and researchers in general can continue to be fully engaged with their international colleagues during the period of negotiation of the UK exit from the European Union and afterwards.

Section 4: Centrally co-ordinated activities during the period, 1 January 2018 – 31 December 2018

2018, was the 30th anniversary of the establishment of the Academia Europaea in 1988. In recognition of this milestone, two specific anniversary events were held:

Darwin College Cambridge, An afternoon tea discussion was held under the patronage of the Master of the college (Professor Mary Fowler). This was to honour the founding president – Professor Arnold Burgen (Praesidis Perpetua) and was attended by a number of founding members of the AE. Professor Petersen FRS represented the AE President at the event.



The Royal Society were the kind hosts and patrons of a one-day symposium in celebration of the anniversary. The Royal Society was a founding sponsor of the AE. The programme was organised under the direction of Prof. Ole Petersen FRS who was also himself a founding member of the AE in 1988. The Cardiff Hub staff were instrumental for practical arrangements.

Speakers included; Venki Ramakrishnan, President of the Royal Society, Sir Arnold Burgen, founding President of Academia Europaea, Sierd Cloetingh current President of the Academia Europaea, Ole Petersen Vice President of the Academia Europaea, Professor Eva Kondorosi, Vice-President of the European Research Council, Professor Richard Catlow (Vice-President of the Royal Society), Professor Nicole Grobert (Member of the European Commission's Group of Chief Scientific Advisors), Dr Johannes Klumpers (Head of the European Commission's Scientific Advice Mechanism Unit in the Research & Innovation Directorate General) and Professor Ortwin Renn Chair of the SAPEA [Science Advice for Policy by European Academies] Working Group on 'Making Sense of Science', Sir John Skehel, Vice-President of the Royal Society, Professor Alexander Bokkenberg, University of Cambridge, Professor Tullio Pozzan, Italian National Research Council and Baroness Onora O'Neill, the House of Lords.

A Gold Medal of the Academia Europaea was presented to Dr Robert Jan Smits, former Director General of DG Research and Innovation of the European Commission, in recognition of his career-long support of European collaborative research.



Some 80 plus AE members, Fellows of the Royal Society and others participated. The Gold Medal address will be published in a future edition of the European Review.

An anniversary brochure was published by the Cardiff Hub along with a 30th anniversary poster:

See: <http://aecardiffknowledgehub.wales/2019/01/21/download-our-30th-anniversary-commemorative-poster/>

30th anniversary brochure: see <http://aecardiffknowledgehub.wales/about-us/documents/>

Other centrally organised activities included:

30^h Annual Meeting of the Academia Europaea, Barcelona 27 – 29 November 2018.

Building Bridges 2018

The 30th annual conference “Building Bridges” was held in Barcelona at the Cosmo Caixa Museum for Science, in Barcelona. The event was attended by approx. 200 academic researchers and was organised by the AE Trustees, Professor Ricard Guerrero and the Barcelona Hub team and Professors Genoveva Marti and Alex Fidora. The Trustees wish to thank the Barcelona Hub and local sponsors, especially The Cosmo Caixa Foundation, Barcelona City and the Insitut D'estudis Catalans for their support in delivering a very successful event. **A description of the conference, the programme and the related activities is fully described in the Barcelona Hub annual report at annex 3. Also at**



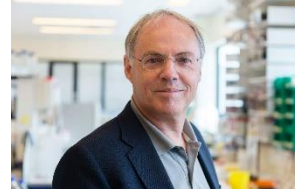
https://www.ae-info.org/ae/Acad_Main/Plenary_Conferences/Academia%20Europaea%2030th%20Annual%20Conference%202018

All scientific sessions were open to attendance by members of the public visiting the museum.



The **2018 Erasmus Medal** was awarded on 29 November to the distinguished international molecular geneticist:

Professor Hans C. Clevers MAE, University of Utrecht



The Erasmus Medal of the Academia Europaea is awarded on the recommendation of an independent search committee, to a member who has maintained over a sustained period, the highest level of international scholarship and recognition by peers.

Professor Jos W.M. van der Meer MAE, Radboud University Nijmegen gave the laudation.

Professor Clevers delivered the 2018 Heinz-Nixdorf Erasmus Lecture: “Stem Cell-based Organoids as Avatars in Human Disease”.

AFFILIATION:

Professor of Molecular Genetics at the University of Utrecht
Hubrecht Institute of the Royal Netherlands Academy of Arts and Sciences
Research Director of the Princess Maxima Center for Pediatric Oncology

LINK TO WEBPAGE:

<https://www.hubrecht.eu/nl/research-groups/clevers-groep>

ABSTRACT OF PRESENTATION

Hubrecht Institute, Royal Netherlands Academy of Arts and Sciences & University Medical Centre Utrecht, Uppsalalaan 8, 3584 CT Utrecht, the Netherlands

Stem cells are the foundation of all mammalian life. Stem cells build and maintain our bodies throughout life. Two types of stem cells are discerned.

1) Embryonic stem cells (ES cells) are briefly present in the early human or mouse embryo, a few days after fertilization. These ES cells can be grown indefinitely in the lab and have the potential to build each and every tissue in our body. Because of this 'pluripotency', ES cells hold great promise for therapeutic application in the field of regenerative medicine. However, derivation of ES cells leads to the destruction of the (mouse/human) embryo. This has caused intense debates from ethical, religious and logistical perspectives. A recent development circumvents the destruction of embryos. It is now possible to take skin cells (or other cells) from adults and convert these in the lab into cells with ES properties, so called iPS cells. Many of the hurdles that ES cell technology have faced, do not exist for iPS cells.

Neither ES cells, nor iPS cells play a significant role yet in the clinic.

2) Adult stem cells. Every organ in our body is believed to harbor its own dedicated stem cells. These adult stem cells replace tissue that is lost due to wear and tear, trauma and disease. Adult stem cells are highly specialized and can only produce the tissue in which they reside; they are 'multipotent'. Examples are bone marrow stem cells that make all blood cells, skin stem cells and gut stem cells. Even the brain is now known to harbor its specialized stem cells. The adult stem cells allow us to live 80-90 years, but this comes at a cost: they are the cells that most easily transform into cancer cells.

We have identified a gene (Lgr5) that marks a series of known and novel adult stem cells, in organs such as the gut, the liver, the lung and the pancreas. We have learned to grow these stem cells in a dish into mini-versions of the human organs from which they derive. This so called organoid technology opens a range of avenues for the study of development, physiology and disease, and for personalized medicine. In the long run, cultured mini-organs may replace transplant organs from donors and hold promise in gene therapy.

BIOGRAPHICAL NOTE

Hans Clevers (1957)

Hans Clevers obtained his MD degree in 1984 and his PhD degree in 1985 from the University Utrecht, the Netherlands. His postdoctoral work (1986-1989) was done with Cox Terhorst at the Dana-Farber Cancer Institute of the Harvard University, Boston, USA.

From 1991-2002 Hans Clevers was Professor in Immunology at the University Utrecht and, since 2002, Professor in Molecular Genetics. From 2002-2012 he was director of the Hubrecht Institute in Utrecht. From 2012-2015 he was President of the Royal Netherlands Academy of Arts and Sciences (KNAW). Since June 1, 2015 he is Director Research of the Princess Maxima Center for paediatric oncology. He continues to run his lab in the Hubrecht Institute.

Throughout his career, he has worked on the role of Wnt signalling in stem cells and cancer. His discoveries include TCF as the nuclear Wnt effector, the role of Wnt in adult stem cell biology and of Wnt pathway mutations in colon cancer, Lgr5 as a marker of multiple novel types of adult stem cells and as receptor for the Wnt-amplifying R-spondins, and –finally- a method to grow ever-expanding mini-organs ('organoids') from Lgr5 stem cells derived from a range of healthy or diseased human tissues. This has led to over 600 publications and >70,000 citations

Hans Clevers is member of the Royal Netherlands Academy of Arts and Sciences (2000), of the American Academy of Arts and Sciences (2012) and the National Academy of Sciences of the USA (2014), the Academie des Sciences (2016) and the Orden pour le Merite der Wissenschaften und Kuenste (2017). He is the recipient of multiple awards, including the Dutch Spinoza Award in 2001, the Swiss Louis Jeantet Prize in 2004, the German Meyenburg Cancer Research Award in 2008, the German Ernst Jung-Preis für Medizin in 2011, the French Association pour la Recherche sur le Cancer (ARC) Léopold Griffuel Prize, the Heineken Prize (2012), the Breakthrough Prize in Life Sciences (2013), the 2015 ISSCR McEwen Award for Innovation and the Academy Professor Prize (2015), and the Körber European Science Prize (2016). He obtained two ERC Advanced Investigator grants (2008 and 2016). He is Chevalier de la Legion d'Honneur since 2005, Knight in the Order of the Netherlands Lion since 2012.

The Erasmus lecture is sponsored by the **Heinz-Nixdorf Stiftung** and will be published in a future issue of The European Review.

Heinz Nixdorf Stiftung

Further information about the Heinz-Nixdorf Stiftung: <http://www.heinz-nixdorf-stiftung.de>

Award of a Gold Medal of the Academia Europaea, November 29th 2018



to

The German National Academy of Sciences (Leopoldina)

Citation: This award is only rarely given, and is made "... to those members and non-members of the Academia and to organisations, in recognition of the contribution made to European science through inspiration, public support, management expertise or by financial means. "

The Board of trustees of the Academia Europaea are pleased to recognise the substantial and sustained contribution that the Leopoldina has made to the further development of the European Research Area. In addition, the strong support given to a broad range of individuals and organisations, in particular support for emerging talents. The Leopoldina has had, and continues to hold a pivotal role in the landscape of excellence in European and International science. We are particularly pleased to honour the Leopoldina in this, their 10th year as the German National Academy of Sciences

The trustees are especially honoured that **Professor Dr Jörg Hacker MAE, President of the Leopoldina since 2010**, will receive the award on behalf of the Academy and will deliver an address during the 30th Anniversary congress of the Academia Europaea in Barcelona.

Information on the Leopoldina at: <https://www.leopoldina.org/en/about-us/>

Title: "The Role of Academies in Policy Advice"

BIOGRAPHICAL NOTE (of Professor Hacker)

Since 2010 President of the Deutsche Akademie der Naturforscher Leopoldina – German National Academy of Sciences, Halle (Saale)

2008 - 2010 President of the Robert Koch-Institute, Berlin

2006 Visiting Professor at the Sackler Institute for Advanced Studies, Tel Aviv University, Israel

2000, 2005 Research visits at the Institute Pasteur, Paris

1993 - 2008 Full Professor (C4) and Head of the Institute for Molecular Infection Biology, University of Würzburg

Information on the German National Academy of Sciences (Leopoldina)

The Leopoldina, then Academia Naturae Curiosorum, was founded in 1652 by four physicians in Schweinfurt/Germany. It was their common goal to deepen scientific understanding of the natural world and to improve the communication between researchers of that time. In 1687, Emperor Leopold I. guaranteed independence from the ruling dynasties of the individual countries. The Leopoldina was endowed with the Imperial Privilege, inter alia, complete freedom of censorship for their publications. The Academy carries the name Leopoldina ever since.



In 2018, the German Academy of Natural Scientists Leopoldina is in its 10th year as the National Academy of Sciences. On July 14, 2008, the Leopoldina was appointed German National Academy of Sciences and since then speaks out on societal and political questions, providing a nonpartisan, factual framework for discussion. It releases joint statements with other German, European and international academies and represents the German scientific community in international committees.

The laudation was given by Professor Ole Petersen MAE

The full Scientific Programme of the 30th Annual conference of the Academia Europaea, November, 2018 – Barcelona, can be found at https://www.ae-info.org/ae/Acad_Main/Plenary_Conferences/Academia%20Europaea%2030th%20Annual%20Conference%202018

Section 5: Academia Europaea outreach.

Over the year, the President and members of the Board of Trustees and the Executive Secretary had discussions with the European Research Council and Commission, ALLEA and other European Academies and pan-European organisations, and with a number of European Charitable Foundations. The Trustees wish to thank in particular members of the Board and those Section Chairs who represented the Academia at a wide range of events.

Individual members of the Board and Council represented the Academia at a number of conferences and other invited events. Bids were prepared to a number of Foundations, in line with the policy to broaden the basis of general financing of the Academy and to support specific developments in the programme of the Academia, including through the new Hubs. These are mentioned where appropriate in the finance sections of this report. Members of the Young Academy were invited to participate in all events organised by the AE and the AE Hubs. Members of the Board of the YAE were also invited to participate in meetings of the Board of Trustees and Council. Much outreach effort was channelled through the Regional Knowledge Hubs and relevant outputs have been reported in the individual Hub reports as described in the annexes to this consolidated report. The President continued his chairmanship of the international COST research networking mechanism and this has opened up further collaboration opportunities. In addition members of the Board of trustees, notably Prof Eva Kondorosi and Prof Sierd Cloetingh participated in a number of joint events with the European Research Council, to promote partnership with former Balkan states in the East. The AE became a subscribing member to the European Association of Social Sciences and Humanities (EASSH) with Prof Poul Holm and Svend Erik Larsen as AE delegates. The AE also continued as a subscribing member of the European Academies Science Advisory Council (EASAC). Prof Don Dingwell represented the AE of the scientific Council. Preliminary discussions were held with the University of Tbilisi and with ACATECH to explore the possibility of two new future AE Regional Knowledge Hubs.

Other wider Public benefit activities

The Regional Knowledge Hubs organise and deliver a wide range of activities that deliver a wider public benefit in line with our charitable objectives. These activities are described in detail in the individual Hub reports (see annexes). However a few are specifically highlighted below.



November 28th 2018 “Disputatio” of Barcelona debate, an evening event supported by the City of Barcelona and open to the general public. “Cooperation vs. Competition. Challenges and Opportunities”

- Disputantes: Hervé Moulin (Glasgow) vs. Gabrielle Demange (Paris)
- Coordinator: Salvador Barberà (UAB)
- Open discussion with the attendants

Historical context to the annual debates: In the scholastic system of education of the Middle Ages, the ‘Disputationes’ offered a formalised method of debate designed to uncover and establish truths in theology and in sciences. Fixed rules governed the process: they demanded dependence on traditional written authorities and the thorough understanding of each argument on each side. The famous Disputatio of Barcelona, called for in the summer of 1263 by King James I of Aragon, is the most important and well-known of the inter-faith Disputationes that took place between Christian and Jewish theologians in the late Middle Ages. In the Disputatio of Barcelona of 1263, the disputantes were Friar Paulus Christianus (Dominican, and a convert rabbi) and Rabbi Moses ben Nachman (also known as

Nachmanides, or Benastruch De Porta), from the Girona’s community, the most important scholar of Judaism in his time. They discussed theological questions in front of the king and his court, in the presence of the most important men, both Christian and Jewish, of the already prosperous and influential city of Barcelona.

The Disputatio of Barcelona 2018, entitled “Competition vs. Cooperation: Two economists’ points of view”, was organised by the Barcelona Knowledge Hub of Academia Europaea and held at the Institute for Catalan Studies (IEC) in Barcelona on November 28th. The session was moderated by Prof. Salvador Barberà, Professor Emeritus of Economics at the Universitat Autònoma de Barcelona and featured Prof. Hervé Moulin, Donald J. Robertson Chair in Economics at the University of Glasgow, and Prof. Gabrielle Demange, Director of Studies at the School of Advanced Studies in the Social Sciences (EHESS) in Paris, as invited disputantes (debaters). All three are Members of Academia Europaea, in the Economics, Business & Management Sciences section.

The topic was approached in a multidisciplinary manner and included social and political aspects of cooperation and competition in capitalist economic models, revealing complementary and contrasting facets. As usual, the Disputatio was open to the general public and welcomed questions from the audience, leading to an interactive, dynamic debate among those in attendance.

For information on debates since 2013 see: <http://barcelona.acadeuro.org/disputatio-of-barcelona/>

AE engagement in European research policy and scientific expert advice to policymakers for general public policy (science into policy)

European Science Advisory Council (EASAC). formed by a number of European Academies, and supported by the Academia Europaea provides EU institutions and other pan-national bodies with fully independent advice on the scientific aspects of public policy.

The Academia was a founding member of this Council and collaborates with our sister Academies in making available our members’ expertise where needed, for the many study groups that are established. The Academia provides a financial contribution towards the running of the secretariat of EASAC, which is based at the German National Academy of Sciences (Leopoldina) in Halle. The Academia covers the costs of participation of the AE Council member and also AE experts participating in specific study panels



<http://www.easac.eu/>]. The AE supports a number of members, who provide their individual expertise to EASAC studies and/or are engaged in the standing committees of EASAC. In 2018 the AE member the Council was:

Professor Don Dingwell (Trustee) AE delegate to the EASAC governing Council


SAPEA – Scientific Advice for general European Policy (not policy for research)



SAPEA: Science Advice for Policy by European Academies

- Spanning the disciplines of engineering, humanities, medicine, natural sciences and social sciences, **SAPEA** brings together the outstanding knowledge and expertise of Fellows from over 100 Academies, Young Academies and Learned Societies in more than 40 countries across Europe
- SAPEA is part of the [European Scientific Advice Mechanism \(SAM\)](#) which provides independent, interdisciplinary and evidence-based scientific advice on policy issues to the European Commission, working closely with the [SAM High Level Group of Scientific Advisors](#)
- The project is funded through a grant from the EU’s Horizon 2020 programme. It runs from November 2016-October 2020.



 = country with at least one Academy

Academies' independence, academic expertise and convening power make them a critical source of evidence for policymakers and the wider public, providing an unbiased, balanced and transparent perspective. Academies within SAPEA are members of one or more of the European Academy Networks: [Academia Europaea](#), [ALLEA](#), [EASAC](#), [Euro-CASE](#) and [FEAM](#). SAPEA will provide a means for closer collaboration between Academies, combining Fellows' expertise in engineering, human, medical, natural, social and technical sciences in a unique way.

All of the Networks' Member Academies across Europe are part of SAPEA and are encouraged to participate actively. Opportunities for involvement include:

- **suggesting scientific topics**
- **communicating their latest major scientific outputs to SAPEA**
- **nominating Fellows** to the SAPEA Working Groups, or other events requiring the advice of an expert (e.g. experts' workshops or stakeholder meetings)
Fellows' travel costs will be reimbursed
- **hosting Working Group meetings**
direct costs can be covered
- **acting as "Lead Academies"** for a selected scientific topic
- **hosting outreach events**
event support can be provided
- **raising the visibility of Academy work at a European Level** by sharing news of activities with the SAPEA Communications Office for the project website

AE engagement in SAPEA

The Horizon2020 funded project contract with the European Commission was signed and started at the end of 2016. The President is a member of the Board of Management of the project. Prof. Ole Petersen (Academic Director of the Cardiff Hub and VP) is our alternate and oversees the work of the AE SAPEA Science Policy Officer - Louise Edwards, who is based at the Cardiff Hub. Louise is responsible for the day-to-day management of any AE involvement in policy advice topic work and is a member of the project coordination team. The AE Executive Secretary acts as AE project manager in liaison with the central project coordination team. The day-to-day engagement in SAPEA is undertaken by the Science Policy team at the Cardiff Knowledge Hub. Louise Edwards manages the Science Policy work and is supported by Ester Dorado Ladaro.

During 2018 the AE continued to organise events and promote the first evidence review project – **Food from The Oceans**. Full information can be found via the official SAPEA website (<https://www.sapea.info/>) and also through both the ae-info website [http://www.ae-info.org/ae/Acad_Main/Activities/SAPEA] and the Cardiff Hub website [<http://aecardiffknowledgehub.wales/category/expertise-and-advice/>]. A full report can be found in the Cardiff Hub annual report at annex.

In addition, The AE took the lead in managing an evidence review report project on Making Sense of Science (MASOS). The AE also lead w the work package that undertook a systematic review of successes of the SAPEA consortium [to the mid-term] and will continue with a final analysis for future plans and prospects for continuation of the SAPEA approach.

Our intention throughout the project is to work with and through the regional knowledge Hubs and with the Young Academy of Europe to ensure maximum opportunity for involvement of our members. We will also establish an outreach forum of other pan-European organisations to improve linkages and engagement of non-core partner expertise.

The European Review 2018 (volume 25): Four issues were published by Cambridge University Press on behalf of the Academia Europaea during 2017 and made available world-wide. Highlights were in issue (1) The 2015 Heinz-Nixdorf Erasmus Lecture by Professor Edith Hall (given at Darmstadt) – "Aristotle", and in issue 2 a celebratory focus in honour of member Prof. Erol Gelenbe (Informatics).

Section 6: Events provided with AE sponsorship through the Hubert Curien Fund, or patronage in 2018

Activity supported through the AE Hubert Curien Fund in 2018 following receipt of member initiated proposals.

Professor Cinzia Ferrini (Class A1 – Section Philosophy) organised an international conference in Trieste on the topic of **Human Diversity in Context - 25-26 September 2018**. In collaboration with Soprintendenza Archeologia, belle arti e paesaggio del Friuli Venezia Giulia and under the patronage of proESOF.

Background. Different competences and research fields based in the Humanities and Social Sciences Classes of the Academia Europaea are brought together as aspects of the study of the production and transmission of what the European societies have assumed and represented as 'human', in accord with shared research interests of the Department of Humanities of the University of Trieste. Scholars from classics and oriental studies, history, anthropology, literary studies, philosophy, social and cognitive sciences will meet to develop new strategies for integrating the form and content of knowledge, expressly for public benefit, by conveying socially contextualized knowledge and understanding of the complexity of the real world and its cultural and religious structures, facets and objects.

This conference will also exhibit possibilities of synergy between the pan-European network of the Academia Europaea and members' local university institutions and research projects.

Professor Artem R. Oganov, Skolkovo Institute of Science and Technology, Moscow. "Structure Prediction and Materials Discovery" – USPEX congress. September 17 – 19th, 2018.

Background.

Crystal structure prediction has long remained a major unsolved problem in physical sciences. A number of approaches have been formulated over years. Crystal structure prediction is a powerful tool for designing new materials "in silico", thus replacing the traditional Edisonian trial-and-error approach with design by artificial intelligence. It is also a major instrument for discovering new phenomena at extreme conditions. Crystal structure prediction should thus be an everyday tool at the hands of nearly every computational materials scientist.

A major advance in this field happened with the development of the evolutionary algorithm USPEX for crystal structure prediction, which has led to a number of important discoveries. This proved to be a very efficient and reliable method, and the USPEX code, based on it and freely distributed to academic scientists, is currently used by over 4200 researchers worldwide and this number grows rapidly. We should note that in addition to the evolutionary structure prediction, USPEX code features many other techniques, such as random sampling, metadynamics, minima hopping, particle swarm optimization - all of which can be used in real applications or tested against one another. Thus, familiarity with this code will imply a solid background in other structure prediction techniques. USPEX is the widest used crystal structure prediction code and there is a need to train new users through hands-on tutorials and workshops. Thirteen such workshops have been organized in France, China, USA, Switzerland, Canada, India, Italy. Through a regular series of such pedagogical events we want to train a new generation of materials scientists.

Other activities supported by patronage included:

Prof. Dr. Daniela Carpi (Verona, Italy) – Section, Literary and theatrical Studies. "DIGITAL ONTOLOGY AND EPISTEMOLOGY: Between Law, Literature and the Visual Arts". 14 – 16 November, 2018.

"Reproducing and Reconstructing Reality: International Conference on Realism(s) in Post-WWII Literature". University of Nanjing, China. October 26-28 2018. Professor Wang Shouren. Nanjing University, with Professor He Zhengzhou (MEA), Nanjing University, and Professor Svend Erik Larsen, vice-president of AE, representing the Leverhulme project "Landscapes of Realism", endorsed by AE, with Professor Dirk Goettsche (MEA), Nottingham University, as PI.

Manuel Lucena Giraldo, (Madrid). Section History and Archaeology. COLOMBIA AND SPAIN. PRESENT AND FUTURE OF ACADEMIC RELATIONS. Tuesday 13th March, 2018. Universidad EAFIT, Medellín, Colombia and NORTHERN UNIVERSITY, BARRANQUILLA, COLOMBIA. XXI Europe Chair. Seminar "From Barranquilla to the World. Universities and Country-Branding, Spain and Colombia in perspective" March 2018

The 2018 Academia Europaea – Russia Club Prizes (for young researchers)

Professor Vladimir Skulachev MAE has been organising and running this well established and highly regarded young researcher prize scheme since 1999. The focus is on Russia based researchers from all disciplines, who are nominated by an AE member based in the Russian Federation. A selection panel determines the eventual winners.



VS

I am happy to inform you that the 23th Contest of AE Russian Prizes for young scientists has been successfully completed. 16 laureates have received diplomas, medals and money (50,000 roubles each) at the Celebration ceremony on April 16, 2018. The ceremony took place in the Round Ceremony Hall at the

31th floor of the Moscow State University Building. International Biotechnology Center Generium (Chairman of the Board Mr. A.M. Schuster) and Company Helicon (Mr. A.S. Smirnov Founder) raised 400,000 and 400,000 roubles respectively. This money was distributed among laureates. As to additional expenses for organization of the contest, they were kindly covered by International Biotechnology Center Generium (10 000 roubles).



Professor Skulachev with the 2018 Russia Prize laureates



List of laureates:

Mathematics/Mechanics:

Dmitry S. Malyshev, 1985, National Research University Higher School of Economics, Nizhny Novgorod, «**Extremal hereditary graph classes and their application**».

List of 5 publications of dr. Sc. Dmitry s. Malyshev with the highest values of impact-factor

1. Turkensteen M., Malyshev D.S., Goldengorin B.I., Pardalos P.M. The reduction of computation times of upper and lower tolerances for selected combinatorial optimization problems. Journal of Global Optimization. 2017, doi: 10.1007/s10898-016-0486-5.
2. Malyshev D.S. Boundary graph classes for some maximum induced subgraph problems. Journal of Combinatorial Optimization. 2014, v. 27 № 2, p. 345-354.
3. Malyshev D.S. Two cases of polynomial-time solvability for the coloring problem. Journal of Combinatorial Optimization. 2016, v. 31 № 2, p. 833-845.
4. Malyshev D.S. A complexity dichotomy and a new boundary class for the dominating set problem. Journal of Combinatorial Optimization. 2016, v. 32 № 1, p. 226-243.

5. Malyshev D.S. Polynomial-time approximation algorithms for the coloring problem in some cases. *Journal of Combinatorial Optimization*. 2017, v. 33 № 3, p. 809-813.

Physics:

Andrey N. Pravdivtsev, 1991, International Tomography Center SB RAS, Novosibirsk, «**The role of level anti-crossings in the nuclear spin hyperpolarization transfer in scalar coupled spin systems**».

List of 5 publications of Dr. Andrey N. Pravdivtsev with the highest values of impact-factor

1. D. A. Barskiy, A. N. Pravdivtsev, K. L. Ivanov, K. V. Kovtunov, I. V. Koptuyug, "Simple analytical model for Signal Amplification by Reversible Exchange (SABRE) process" // *Phys. Chem. Chem. Phys.*, V. 18(1), p.p. 89-93, 2016.
2. A. N. Pravdivtsev, A. V. Yurkovskaya, H.-M. Vieth, K. L. Ivanov. "Spin mixing at level anti-crossings in the rotating frame makes high-field SABRE feasible" // *Phys. Chem. Chem. Phys.*, V. 16, p.p. 24672-24675, 2014.
3. A. N. Pravdivtsev, A. V. Yurkovskaya, N. N. Lukzen, K. L. Ivanov, H.-M. Vieth. "Highly Efficient Polarization of Spin-1/2 Insensitive NMR Nuclei by Adiabatic Passage through Level Anti-Crossings" // *J. Phys. Chem. Lett.*, V. 5, p.p. 3421-3426, 2014.
4. K. L. Ivanov, A. N. Pravdivtsev, A. V. Yurkovskaya, H.-M. Vieth, R. Kaptein. "The role of level anti-crossings in nuclear spin hyperpolarization" // *Prog. Nucl. Mag. Res. Sp.*, V. 81, p.p. 1-36, 2014.
5. A. N. Pravdivtsev, A. V. Yurkovskaya, H.-M. Vieth, N. N. Lukzen, K. L. Ivanov. "Exploiting Level Anti-Crossings (LACs) in the rotating frame for transferring spin hyperpolarization" // *Phys. Chem. Chem. Phys.*, V. 16, p.p. 18707-18719, 2014. (BACK COVER OF THE JOURNAL)

Alexander I. Chernov, 1985, Prokhorov General Physics Institute RAS, Moscow, «**Carbon nanotubes for photonic applications**».

List of 5 publications of Dr. A. I. Chernov with the highest values of impact-factor

1. Chernov, A. I., Fedotov, P. V., Talyzin, A. V., Suarez, L. I., Anoshkin, I. V., Nasibulin, A. G., Kauppinen, E. I., Kuznetsov, V. L., Obraztsova, E. D. (2013): Optical Properties of Graphene Nanoribbons Encapsulated in Single-Walled Carbon Nanotubes. *ACS Nano*, 7(7), 6346-6353. 2015
2. He, M., Liu, B., Chernov, A. I., Obraztsova, E. D., Kauppi, I., Jiang, H., Anoshkin, I., Cavalca, F., Hansen, T. W., Wagner, J. B., Nasibulin, A. G., Kauppinen, E. I., Linnekoski, J., Niemelä, M., Lehtonen, J. (2012): Growth mechanism of single-walled carbon nanotubes on iron-copper catalyst and chirality studies by electron diffraction. *Chemistry of Materials*, 24(10), 1796-1801. 2015
3. He, M., Jiang, H., Kauppi, I., Fedotov, P. V., Chernov, A. I., Obraztsova, E. D., Cavalca, F., Wagner, J. B., Hansen, T. W., Sainio, J., Sairanen, E., Lehtonen, J., Kauppinen, E. I. (2014): Insights into chirality distributions of single-walled carbon nanotubes grown on different CoMg_{1-x}O solid solutions. *Journal of Materials Chemistry A*, 2(16), 5883-5889. 2015
4. He, M., Fedotov, P. V., Chernov, A. I., Obraztsova, E. D., Jiang, H., Wei, N., Cui, H., Sainio, J., Zhang, W., Jin, H., Karppinen, M., Kauppinen, E. I., Loiseau, A. (2016): Chiral-selective growth of single-walled carbon nanotubes on Fe-based catalysts using CO as carbon source. *Carbon*, 108, 521-528. 2015
5. Tonkikh, A. A., Rybkovskiy, D. V., Orekhov, A. S., Chernov, A. I., Khomich, A. A., Ewels, C. P., Kauppinen, E. I., Rochal, S. B., Chuvilin, A. L., Obraztsova, E. D. (2016): Optical properties and charge transfer effects in single-walled carbon nanotubes filled with functionalized adamantane molecules. *Carbon*, 109, 87-97. 2015 selective growth of single-walled carbon nanotubes on Fe-based catalysts using CO as carbon source. *Carbon*, 108, 521-528. 2015

Chemistry:

Anton A. Gabrienko, 1986, Boreskov Institute of Catalysis SB RAS, Novosibirsk, «**Mechanisms of methane activation and conversion on metal modified zeolites ZSM-5 and BEA**».

List of 5 publications of Dr. Anton A. Gabrienko with the highest values of impact-factor

1. Gabrienko A.A., Arzumanov S.S., Toktarev A.V., Danilova I.G., Prosvirin I.P., Kriventsov V.V., Zaikovskii V.I., Freude D., Stepanov A.G. Different Efficiency of Zn²⁺ and ZnO Species for Methane Activation on Zn-Modified Zeolite. *ACS Catalysis*, 2017, v.7, p.1818-1830.
2. Arzumanov S.S., Gabrienko A.A., Freude D., Stepanov A.G. Competitive Pathways of Methane Activation on Zn²⁺-Modified ZSM-5 Zeolite: H/D Hydrogen Exchange with Brønsted Acid Sites: Versus Dissociative Adsorption to Form Zn-Methyl Species. *Catal. Sci. Tech.*, 2016, v.6, p.6381-6388.
3. Stepanov A.G., Arzumanov S.S., Gabrienko A.A., Toktarev A.V., Parmon V.N., Freude D. Zn-Promoted Hydrogen Exchange for Methane and Ethane on Zn/H-BEA Zeolite: In situ ¹H MAS NMR Kinetic Study. *J. Catal.*, 2008, v.253, p.11-21.
4. Gabrienko A.A., Morozov E.V., Subramani V., Martyanov O.N., Kazarian S.G. Chemical Visualization of Asphaltene Aggregation Processes Studied in Situ with ATR-FTIR Spectroscopic Imaging and NMR Imaging. *J. Phys. Chem. C*, 2015, v.119, p.2646-2660. 4.509
5. Gabrienko A.A., Arzumanov S.S., Luzgin M.V., Stepanov A.G., Parmon V.N. Methane Activation on Zn²⁺-Exchanged ZSM-5 Zeolites. The Effect of Molecular Oxygen Addition. *J. Phys. Chem. C*, 2015, v.119, p.24910-24918.

Anastasia V. Penkova, 1984, Saint Petersburg State University, «**Transport characteristics and physico-chemical properties of polymeric membranes modified by carbon nanoparticles**».

List of 5 publications of Dr. Anastasia V. Penkova with the highest values of impact-factor

- 1) Polotskaya, G.A.; Penkova, A.V.; Toikka, A.M. Fullerene-Containing Polyphenylene Oxide Membranes for Pervaporation. *Desalination* 2006, 200 (1-3).
- 2) Penkova, A.V.; Acquah, S.F.A.; Dmitrenko, M.E.; Chen, B.; Semenov, K.N.; Kroto, H.W. Transport Properties of Cross-Linked fullerene-PVA Membranes. *Carbon N. Y.* 2014, 76, 446-450.

- 3) Penkova, A.V.; Acquah, S.F.A.; Sokolova, M.P.; Dmitrenko, M.E.; Toikka, A.M. Polyvinyl Alcohol Membranes Modified by Low-Hydroxylated Fullerene C60(OH)12; *J. Memb. Sci.* 2015, 491.
- 4) Markelov, D.A.; Matveev, V.V.; Ingman, P.; Nikolaeva, M.N.; Penkova, A.V.; Lahderanta, E.; Boiko, N.I.; Chizhik, V.I. Unexpected Temperature Behavior of Polyethylene Glycol Spacers in Copolymer Dendrimers in Chloroform. *Sci. Rep.* 2016, 6.
- 5) Markelov, D.A.; Shishkin, A.N.; Matveev, V.V.; Penkova, A.V.; Lähderanta, E.; Chizhik, V.I. Orientational Mobility in Dendrimer Melts: Molecular Dynamics Simulations. *Macromolecules* 2016, 49 (23).

Anna A. Semenova, 1987, Lomonosov Moscow State University, «**Soft chemistry design of silver-based nanostructured materials for biomedical diagnostics using surface-enhanced Raman spectroscopy**».

List of 5 publications of Dr. Anna A. Semenova with the highest values of impact-factor

1. Semenova A.A., Goodilin E.A., Brazhe N.A., Ivanov V.K., Baranchikov A.E., Lebedev V.A., Goldt A.E., Sosnovtseva O.V., Savilov S.V., Egorov A.V., Brazhe A.R., Parshina E.Y., Luneva O.G., Maksimov G.V., Tretyakov Yu.D. Planar SERS nanostructures with stochastic silver ring morphology for biosensor chips. *Journal of Materials Chemistry*, 2012, v.22 (47), p.24530-24544.
2. Semenova A.A., Ivanov V.K., Savilov S.V., Goodilin E.A. Unusual silver nanostructures prepared by aerosol spray pyrolysis. *CrystEngComm.*, 2013, v.15 (39), p.7863-7871.
3. Brazhe N.A., Evlyukhin A.B., Goodilin E.A., Semenova A.A., Novikov S.M., Bozhevolnyi S.I., Chichkov B.N., Sarycheva A.S., Baizhumanov A.A., Nikelshparg E.I., Deev L.I., Maksimov E.G., Maksimov G.V., Sosnovtseva O.V. Probing cytochrome c in living mitochondria with surface-enhanced Raman spectroscopy. *Scientific Reports*, 2015, v.5, article number: 13793.
4. Semenova A.A., Brazhe N.A., Parshina E.Y., Sarycheva A.S., Maksimov G.V., Goodilin E.A. A new route of SERS analysis of intact erythrocytes using polydisperse silver nanoplatelets on biocompatible scaffolds. *RSC advances*, 2016, v.6 (88), p.85156-85164.
5. Sarycheva A.S., Brazhe N.A., Baizhumanov A.A., Nikelshparg E.I., Semenova A.A., Garshev A.V., Baranchikov A.E., Ivanov V.K., Maksimov G.V., Sosnovtseva O.V., Goodilin E.A. New nanocomposites for SERS studies of living cells and mitochondria. *Journal of Materials Chemistry B*, 2016, v.3 (4), p.539-546.

Artem O. Surov, 1985, Krestov Institute of Solution Chemistry RAS, Ivanovo, «**Design of perspective solid forms for drug solubility and bioavailability improvement: structural and physicochemical aspects**».

List of 5 publications with the highest values of impact-factor

1. Surov, A. O., Churakov, A. V., & Perlovich, G. L. (2016). Three Polymorphic Forms of Ciprofloxacin Maleate: Formation Pathways, Crystal Structures, Calculations, and Thermodynamic Stability Aspects. *Crystal Growth & Design*, 16(11), 6556-6567.
2. Surov, A. O., Bui, C. T., Volkova, T. V., Proshin, A. N., & Perlovich, G. L. (2015). The impact of structural modification of 1, 2, 4-thiadiazole derivatives on thermodynamics of solubility and hydration processes. *Physical Chemistry Chemical Physics*, 17(32), 20889-20896.
3. Surov, A. O., Simagina, A. A., Manin, N. G., Kuzmina, L. G., Churakov, A. V., & Perlovich, G. L. (2014). Fenamate Cocrystals with 4, 4'-Bipyridine: Structural and Thermodynamic Aspects. *Crystal Growth & Design*, 15(1), 228-238.
4. Surov, A. O., Voronin, A. P., Manin, A. N., Manin, N. G., Kuzmina, L. G., Churakov, A. V., & Perlovich, G. L. (2014). Pharmaceutical cocrystals of diflunisal and diclofenac with theophylline. *Molecular pharmaceutics*, 11(10), 3707-3715.
5. Surov, A. O., Solanko, K. A., Bond, A. D., Perlovich, G. L., & Bauer-Brandl, A. (2012). Crystallization and polymorphism of felodipine. *Crystal Growth & Design*, 12(8), 4022-4030.

Andrey V. Sybachin, 1983, Lomonosov Moscow State University, «**Multi-liposomal nanocontainers**».

List of 5 publications of Dr. Andrey V. Sybachin with the highest values of impact-factor

1. Yaroslavov A.A., Sybachin A.V., Schrinner M., Ballauff M., Tsarkova L., Kesselman E., Schmidt J., Talmon Y., Menger M. Liposomes remain intact when complexed with polycationic brushes. *J. Am. Chem. Soc.* 2010, v. 132, p. 5948-5949.
2. Yaroslavov A.A., Sybachin A.V., Kesselman E., Schmidt J., Talmon Y., Rizvi S.A.A., Menger F.M. Liposome fusion rates depend upon the structure of polycation catalysts. *J. Am. Chem. Soc.* 2011, v. 133, p. 2881-2883.
3. Yaroslavov A.A., Sybachin A.V., Zaborova O.V., Migulin V.A., Samoshin V.V., Ballauff M., Kesselman E., Schmidt J., Talmon Y., Menger F.M. Capacious and Programmable Multi-Liposomal Carriers. *Nanoscale* 2015, v. 7, p. 1635-1641.
4. Yaroslavov A.A., Sybachin A.V., Zaborova O.V., Zezin A.B., Talmon Y., Ballauff M., Menger F.M. Multi-liposomal containers. *Adv. Colloid Interface Sci.* 2015, v. 226, v.54-64.
5. Yaroslavov A.A., Panova I.G., Sybachin A.V., Spiridonov V.V., Zezin A.B., Mergel O., Gelissen A., Tiwari R., Plamper F.A., Richtering W., Menger F.M. Payload release by liposome burst: Thermal collapse of microgels induces satellite destruction. *Nanomedicine*, 2017, v. 13, p. 1491 – 1494

Earth sciences:

Nataliya G. Belova, 1985, Lomonosov Moscow State University, «**Massive ice beds of the south-western coast of the Kara Sea**».

List of 5 publications of Dr. Nataliya G. Belova with the highest values of impact-factor

1. Belova N.G. Buried and Massive Ground Ice on the West Coast of Baidaratskaya Bay in the Kara Sea. *Ice and Snow*, 2015, 2(130), pp.93-102 (in Russian). DOI:10.15356/2076-6734-2015-2-93-102.
2. Kamalov A.M., Ogorodov S.A., Birukov V.Yu., Sovershaeva G.D., Tsvetsinsky A.S., Arkhipov V.V., Belova N.G., Noskov A.I., Solomatn V.I. Coastal and seabed morpholithodynamics of the Baydaratskaya Bay at the route of gas pipeline crossing. *Earth's Cryosphere*, Vol. XX, 3, 2006, pp. 3-14 (in Russian).

- Sergeev D.O., Drozdov D.S., Baranskaya A.V., Belova N.G., Veremeeva A.A., Grechishcheva E.S., Dvornikov Yu.A., Lupachev A.V., Maslakov A.A., Stanilovskaya J.V., Streletskiy D.A., Fedorov A.N., Fedorova I.V. The 11th International Conference on Permafrost (Potsdam, Germany, 20-24 June, 2016). *Earth's Cryosphere*, Vol. XXI, 2, pp. 88-97 (in Russian; English version is published in 6 months). DOI: 10.21782/KZ1560-7496-2017-2(88-97).
- Belova N.G., Kuznetsov D.E., Ogorodov S.A. Cryolithological structure as a factor of dynamics of Kara Sea coasts on example of the Kharasavey settlement area, West Yamal // *Earth's Cryosphere*, Vol. XXI, 6 (in press; in Russian; English version is published in 6 months).
- Kraev G.N., Stanilovskaya Yu.V., Belova N.G., Lupachev A.V., Shmelev D.G., Maslakov A.A., Radosteva A.V., Gorbachev P.A., Frolov D.M. Permafrost Young Researchers Network of Russia. *Earth's Cryosphere*, Vol. XVII, 3, 2013, pp. 108–112 (in Russian).

Biology:

Artem K. Velichko, 1987, Institute of Gene Biology RAS, Moscow, «**Study of the mechanisms of the human cell response to heat stress in the context of functional chromatin organization**».

List of 5 publications of Dr. Artem K. Velichko with the highest values of impact-factor

- Petrova N.V., Luzhin A.V., Serebrovskaya E., Ryumina A., Velichko A.K., Razin S.V., Kantidze O.L. 2016. Inducing cellular senescence in vitro by using genetically encoded photosensitizers. *Aging*, 8 (10), 2449-2462.
- Petrova N.V., Velichko A.K., Razin S.V., Kantidze O.L. 2016. Small molecule compounds that induce cellular senescence. *Aging Cell*, 15 (6), 999-1017.
- Velichko A.K., Petrova N.V., Razin S.V., Kantidze O.L. 2015. Mechanism of heat stress-induced cellular senescence elucidates the exclusive vulnerability of early S-phase cells to mild genotoxic stress. *Nucleic Acids Research*, 43 (13), 6309-6320.
- Velichko A.K., Markova E.N., Petrova N.V., Razin S.V., Kantidze O.L. 2013. Mechanisms of heat shock response in mammals. *Cellular and Molecular Life Sciences (CMLS)* 70 (22), 4229-4241.
- Velichko A.K., Petrova N.V., Kantidze O.L., Razin S.V. 2012. Dual effect of heat shock on DNA replication and genome integrity. *Molecular Biology of the Cell* 23(17), 3450-3460.
- Velichko A.K., Kantidze O.L., Razin S.V. 2011. HP1 α is not necessary for the structural maintenance of centromeric heterochromatin. *Epigenetics* 6 (3), 380-387.

Polina Y. Volkova, 1989, Russian Institute of Radiology and Agroecology, Obninsk, «**Mechanisms of stress responses formation after low-dose irradiation of plants**».

List of 5 publications of Dr. Polina Yu. Volkova with the highest values of impact-factor

- Geras'kin S.A., Volkova P. Yu. Genetic diversity in Scots pine populations along a radiation exposure gradient. *Science of the Total Environment*. 2014. V.496. P.317-327. DOI 10.1016/j.scitotenv.2014.07.020
- Geras'kin S., Vasiliyev D., Makarenko E., Volkova P., Kuzmenkov A. Influence of long-term chronic exposure and weather conditions on Scots pine populations. *Environmental Science and Pollution Research*. 2017. doi:10.1007/s11356-017-8692-3
- Volkova P.Yu., Geras'kin S.A., Kazakova E.A. Radiation exposure in the remote period after the Chernobyl accident caused oxidative stress and genetic effects in Scots pine populations. *Scientific Reports*. 2017. V.7. 43009. DOI 10.1038/srep43009
- Geras'kin S., Churyukin R., Volkova P. Radiation exposure of barley seeds can modify the early stages of plants' development. *Journal of Environmental Radioactivity*. 2017
- Bitarishvili S.V., Volkova P.Yu., Geras'kin S.A. The influence of γ -irradiation of seeds on phytohormonal status of barley seedlings. *Russian Journal of Plant Physiology*. 2018. 65(2)

Ivan Y. Gushchin, 1988, Moscow Institute of Physics and Technology, «**Structural studies of membrane proteins**».

List of 5 publications of Dr. Ivan Gushchin with the highest values of impact-factor

- Gushchin, I., Chervakov, P., Kuzmichev, P., Popov, A. N., Round, E., Borshchevskiy, V., Ishchenko, A., Petrovskaya, L., Chupin, V., Dolgikh, D. A., Arseniev, A. S., Kirpichnikov, M., Gordeliy, V. Structural Insights into the Proton Pumping by Unusual Proteorhodopsin from Nonmarine Bacteria. *Proc. Natl. Acad. Sci. USA* 2013, v.110 (31), p.12631–12636.
- Nogly, P., Gushchin, I., Remeeva, A., Esteves, A. M., Borges, N., Ma, P., Ishchenko, A., Grudinin, S., Round, E., Moraes, I., Borshchevskiy, V., Santos, H., Gordeliy, V., Archer, M. X-Ray Structure of a CDP-Alcohol Phosphatidyltransferase Membrane Enzyme and Insights into Its Catalytic Mechanism. *Nat. Commun.* 2014, v.5, 4169.
- Gushchin, I., Shevchenko, V., Polovinkin, V., Kovalev, K., Alekseev, A., Round, E., Borshchevskiy, V., Balandin, T., Popov, A., Gensch, T., Fahlke, C., Bamann, C., Willbold, D., Büldt, G., Bamberg, E., Gordeliy, V. Crystal Structure of a Light-Driven Sodium Pump. *Nat. Struct. Mol. Biol.* 2015, v.22 (5), p.390–395.
- Buslaev, P., Gordeliy, V., Grudinin, S., Gushchin, I. Principal Component Analysis of Lipid Molecule Conformational Changes in Molecular Dynamics Simulations. *J. Chem. Theory Comput.* 2016, v.12 (3), p.1019–1028.
- Gushchin, I., Melnikov, I., Polovinkin, V., Ishchenko, A., Yuzhakova, A., Buslaev, P., Bourenkov, G., Grudinin, S., Round, E., Balandin, T., Borshchevskiy, V., Willbold, D., Leonard, G., Büldt, G., Popov, A., Gordeliy, V. Mechanism of Transmembrane Signaling by Sensor Histidine Kinases. *Science* 2017, v.356 (6342), p.1043, eaah6345.

Daria M. Esyunina, 1988, Institute of Molecular Genetics RAS, Moscow, «**Molecular mechanism and regulation of bacterial transcription**».

List of 5 publications of Dr. Daria Esyunina with the highest values of impact-factor

- Esyunina D*, Agapov A*, Kulbachinskiy A. Regulation of transcriptional pausing through the secondary channel of RNA polymerase. *Proc Natl Acad Sci U S A*. 2016 Aug 2;113(31):8699-704.
- Esyunina D, Klimuk E, Severinov K, Kulbachinskiy A. Distinct pathways of RNA polymerase regulation by a phage-encoded factor. *Proc Natl Acad Sci U S A*. 2015 Feb 17;112(7):2017-22.

3. Tagami S, Sekine S, Minakhin L, Esyunina D, Akasaka R, Shirouzu M, Kulbachinskiy A, Severinov K, Yokoyama S. Structural basis for promoter specificity switching of RNA polymerase by a phage factor. *Genes Dev.* 2014 Mar 1;28(5):521-31.
4. Esyunina D, Turtola M, Pupov D, Bass I, Klimašauskas S, Belogurov G, Kulbachinskiy A. Lineage-specific variations in the trigger loop modulate RNA proofreading by bacterial RNA polymerases. *Nucleic Acids Res.* 2016 Feb 18;44(3):1298-308.
5. Miropolskaya N, Esyunina D, Klimašauskas S, Nikiforov V, Artsimovitch I, Kulbachinskiy A. Interplay between the trigger loop and the F loop during RNA polymerase catalysis. *Nucleic Acids Res.* 2014 Jan;42(1):544-52.

Ekaterina V. Sheshukova, 1990, Vavilov Institute of General Genetics of RAS, Moscow, «**An evolutionarily conserved signalling system in plants and humans**».

List of 5 publications of Sheshukova E. V. with the highest values of impact-factor

1. Dorokhov Y.L., Sheshukova E.V., Komarova T.V.: "Tobamovirus 3'-terminal gene overlap may be a mechanism for within-host fitness improvement", *Frontiers in plant science*. — 2017. — Vol. 8. — P. 851.
2. Dorokhov Y.L., Shindyapina A.V., Sheshukova E.V., Komarova T.V.: "Metabolic methanol: molecular pathways and physiological role", *Physiological Reviews*. — 2015. — Vol. 95, no. 2. — P. 603-644.
3. Komarova T.V., Sheshukova E.V., Dorokhov Y.L.: "Cell wall Methanol as a signal in plant immunity", *Frontiers in plant science*. — 2014. — Vol. 5. — P. 101.
4. Shindyapina A.V., Petrunia I.V., Komarova T.V., Sheshukova E.V., Kosorukov V.S., Kiryanov G.I., Dorokhov Y.L.: "Dietary methanol regulates human gene activity", *PLoS ONE*. — 2014. — Vol. 9, no. 7. — e102837.
5. Komarova T.V., Petrunia I.V., Shindyapina A.V., Silachev D.V., Sheshukova E.V., Kiryanov G.I., Dorokhov Y.L.: "Endogenous methanol regulates mammalian gene activity", *PLoS ONE*. — 2014. — Vol. 9, no. 2. — e90239.

Medicine:

Alla K. Ovsyannikova, 1985, Institute of Cytology and Genetics SB RAS, Novosibirsk, «**Molecular genetic and clinical determinants of MODY diabetes in the Siberian region**».

List of scientific papers submitted for the competition:

1. Rymar OD, Ovsyannikova AK, Sazonova OV, Maksimov VN, Voropaeva EN, Voevoda MI. Characteristics of diabetes mellitus in young patients and the family history of the disease in the city of Novosibirsk [Electronic resource]. *Medicine and education in Siberia: a network scientific publication.* 2014; 3: 57. Access mode: http://ngmu.ru/cozo/mos/article/text_full.php?id=1405.
2. Ovsyannikova AK, Moskalenko IV, Nikolaev KYu, Nikolaeva AA. Features of myocardial infarction in patients of young age with diabetes mellitus. *Atherosclerosis.* 2014;10 (2): 56 - 60.
3. Ovsyannikova AK, Rymar OD, Voevoda MI. Lipid profile indices in young people with diabetes mellitus. *Atherosclerosis;* 2014; 10 (3): 37 - 40.
4. Rymar OD, Ovsyannikova AK, Sazonova OV, Maksimov VN, Voevoda MI Clinical and genetic aspects of MODY diabetes. Novosibirsk, Publishing House SB RAS, the educational-methodical grant. P. 43.
5. Voevoda MI, Ivanova AA, Shakhtshneider EV, Ovsyannikova AK, Mikhaylova SV, Astrakova KS, Voevoda SM, Rymar O.D. Molecular genetics MODY. *Therapeutic archive.* 2016; 88 (4): 117-124.
6. Ovsyannikova A, Rymar O, Shakhtshneider E, Klimontov V, Koroleva E, Myakina N, Voevoda M. ABCC8-Related Maturity-Onset Diabetes of the Young (MODY12): Clinical Features and Treatment Perspective. *Diabetes Therapy.* 2016; vol 17 (3): 591-600.
7. Voevoda MI, Shakhtshneider EV, Ovsyannikova AK, Rymar OD, Ivanoshuk DE, Kuril'shchikov AM, Ragino Yu.I. Polymorphism of genes of lipid metabolism in patients with monogenic forms of diabetes mellitus. *Atherosclerosis.* 2016; 12 (4): 5-11.
8. Ovsyannikova AK, Rymar OD, Shakhtshneider EV, Voropaeva EN, Ivanoshuk DE, Voevoda MI. MODY in Siberia - molecular genetics and clinical manifestations. *Diabetes mellitus.* 2017; 1 (20): 5-12.
9. Voevoda MI, Rymar OD, Shakhtshneider EV, Voropaeva EN, Ovsyannikova AK, Ivanoshuk DE, Mikhaylova SV, Ivanova AA, Benimetsky KS, Poltoratskaya ES, Voevoda SM. Molecular genetics and the MODY-diabetes clinic. Edited by M. Voevoda. 2017. Publishing house of the SB RAS. Novosibirsk. P. 161.

Humanities:

Olga L. Lushnikova, 1986, Khakass Research Institute of Language, Literature and History, Krasnoyarsk, «**Clannish relations in contemporary Khakass society: sociological analysis**».

List of 5 publications of Olga L. Lushnikova with the highest values of impact-factor

1. Tokhtobina O.L. Clannish relations as a special form of manifestation of the past. *Historical and socio-educational thought.* (Krasnodar), 2012. p. 194-197 .
2. Tokhtobina O.L. Clannish relations as a bonding social capital. *Bulletin of NSU. Series: Philosophy.* (Novosibirsk), 2012. v. 10. № 4. p. 95-100.
3. Lushnikova O.L. The role of sociocultural capital in terms of globalization. *Bulletin Ural Federal University. Series 3. Social Sciences.* (Ekaterinburg), 2016. v. 11. №. 4 (158). p. 76-81.
4. Lushnikova O.L. The problem formulation of the social demand to education. *Bulletin of HUGUES. Science, education, Economics. The economic series.* (Ufa), 2016. №. 3 (17). p. 149-154.
5. Lushnikova O.L. The social demand to education. *Integration of education.* 2016. v. 20. №. 4 (85). p. 542-556.

Finally: two our laureates quite recently succeeded in there scientific and administrative careers: Mrs. Olga Dontsova, who was elected in 2017 as the Head of the Physico-Chemical Biology Department of Russian Academy of Sciences and Mr. Alexander Gabibov, elected in 2018 as Director of the Institute of Bioorganic Chemistry, the largest biological institute in

Russia. Both of them are members of Academia Europaea and Russian Academy of Sciences. For them, our prizes proved to be the first public sign of recognition in their scientific careers.

Sincerely yours,
V.P. Skulachev,
President,
Russian Club of AE Members

AE specific Publications.

In addition to regular e-newsletters produced by the centre and all of the Regional Knowledge Hubs, The AE published a number of statements on policy issues and issues relating to the status of members in a number of European countries. The AE also published a 2018 member directory and four issues of The European Review with Cambridge University Press. All AE members in subscription have free access to the online version of the journal. A number of sponsored open access supplements were published in 2018 as follows:

Volume 26 Supplement 1. (February 2018) "University Governance and Creativity". Papers from an AE HERCuLES group symposium sponsored by the Volkswagen Foundation.

Volume 26 Supplement number 2 (October 2018). "Crossing over to the Future: Interdisciplinarity in Research and Higher Education. Papers from an AE HERCuLES group symposium sponsored by the Wenner Gren Foundations, Stockholm.



The AE also maintained its corporate website and all Regional Knowledge Hubs maintain their own websites to reflect their own independent programme activities.

SECTION 7: Corporate, Hubs and membership

2018 New members elected

The Trustees approved the election 253 candidates as follows:

Class A1 (Humanities) – 60 new members; Class A2 (Social and societal sciences) – 39 new members; Class B (Natural Sciences) – 92 new members and Class C (Life Sciences) – 62 new members. The Board of Trustees separately elected two new Honorary members, Dr Robert Jan Smits (Netherlands) and Professor Mikheil Chkhenkeli (Rep. of Georgia). A full list of 2018 new members, allocated by Class and Section is at Annex 6

The Class chairs responsible for oversight of the nominations process in 2018 were:

Class A1 – Humanities and Arts – Sections A1-A6 [Chair Professor Svend Erik Larsen (Trustee)]
Class A2 – Social and related sciences – Sections A7 – A10 [Chair Prof .Wittrock (Trustee)]
Class B – Exact and Natural Sciences – Sections B1 –B5 [Professor Don Dingwell (Trustee)]
Class C – Life Sciences – Sections C1 – C5 [Professor Alex Verkhatsky (Trustee)]

Communications

During the year an A-Z membership directory for 2018 was published in time for the Barcelona AGM and general leaflets and other printed materials were updated. The Hubs and HQ issued regular electronic newsletters throughout the year. A letter from the President was issued to all members on a quarterly basis. The Graz Data centre maintained the ae-info.org website and both Graz and Wroclaw ensured that member data was updated, including for new members elected in 2018. All members were notified of the AE GDPR policy and members were asked to opt in to that policy. Contact options were surveyed. All new members were made aware of the GDPR policy and approval to hold their personal (non-financial) data for contact and membership record purposes was sought as part of the membership acceptance process.

Governance meetings held in 2018

The Trustees, Council and their subcommittees

The Board of Trustees met on 17 April, 2018 at Brussels; 24 September at London; 27 November at Barcelona. All meetings were quorate.

The Council did not meet in plenary session during 2018.

Class meetings to decide on recommended new member lists were held on:

Class A1 (July 2) - Paris
Class A2 (3-4 July) - Uppsala
Class B (28-29 June) - Munich
Class C (24 May) - Ljubljana

A list of Trustees, Council and Section Committees at December 2018 are at Annex 2

30th Annual Business Meeting 2018 (AGM)

The 2018 AGM took place at the Institut D'estudis Catalans, Barcelona, on 28 November. All members had been given notice of the date, time and place throughout the year and motions from members invited in compliance with the Regulations. There had been no motions notified by the deadline. Documents were provided online in advance and at the meeting. The President was in the Chair. There were 91 members present. The minutes of the 2017 AGM (in Budapest) were approved and signed.

The Chair welcomed members to Barcelona and thanked the Barcelona Hub staff and the IEC for their kind hospitality in hosting the AGM.

The following motions were put to members present and were duly adopted:

The Board of Trustees recommend that the AGM do elect Professor Genoveva Marti as a Vice President. Approved

The Board of trustees moved a motion to elect an Honorary Treasurer. Professor Veljko Milutinovic was elected on a secret ballot of members present.

The AGM approved and noted the 2017 trustee's report of activities.

The AGM adopted the 2017 financial report and examined accounts.

The AGM appointed the examiner of accounts.

The AGM approved the 2019 members' financial contributions as follows (with one objection):

Member 65 years of age and below 150 Euros; Members under 75 years of age 95 Euros; Foreign members 95 Euros; Members over 75 years of age a voluntary donation of any amount.

Reports were given as follows:

SAPEA (Prof Petersen); Barcelona (Prof Guerrero) Bergen (Prof Jansen) Cardiff (Prof Petersen) Wroclaw Hub (Prof Wojz). Graz data centre (Dr Leitner)

The President announced that the location and date for the 2019 AGM would be announced in 2019.

The meeting was closed at 16:00

Section 8: Statement of Trustees' Responsibilities

The Trustees (who are also the directors of The Academia Europaea – The Academy of Europe for the purposes of company law) are responsible for preparing the Trustees' Report and the financial statements in accordance with applicable law and United Kingdom Accounting Standards (United Kingdom Generally Accepted Accounting Practice).

Company law requires the trustees' must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the charitable company and of the incoming resources and application of resources, including the income and expenditure, of the charitable company for that period. In preparing these financial statements, the trustees are required to:

- select suitable accounting policies and then apply them consistently;
- observe the methods and principles in the Charities SORP;
- make judgements and estimates that are reasonable and prudent;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charitable company will continue in operation.
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements; and

The Trustees are responsible for keeping accounting records that are sufficient to show and explain the company's transactions and disclose with reasonable accuracy at any time the financial position of the charitable company and enable them to ensure that the financial statements comply with the Companies Act 2006. They are also responsible for safeguarding the assets of the charitable company and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.

In so far as the Trustees are aware:

- there is no relevant information of which the charitable company's examiner of accounts is unaware; and
- the trustees have taken all steps that they ought to have taken to make themselves aware of any relevant information and to establish that the examiner of accounts is aware of that information.

The Trustees are responsible for the maintenance and integrity of the corporate and financial information included on the charitable company's website. Legislation in the United Kingdom governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions.

Risk assessment

The Trustees have assessed the major risks to which the charity is exposed, in particular those relating to the operations and finances of the charity and for BREXIT and are satisfied that systems are in place to mitigate our exposure to these risks. However, the situation will be kept under constant review and any necessary steps taken.

Financial Report

The Trustees confirm that suitable accounting policies have been used and applied consistently and that reasonable and prudent judgements and estimates have been made in the preparation of the financial statements for the year 1 January 2018 - 31 December 2018. The Trustees also confirm that applicable accounting standards have been followed and that the financial statements have been prepared on the going concern basis. The assets are available and adequate to fulfil obligations on a fund - by - fund basis.

The Academia is required by UK law to present its accounts in sterling. A version expressed in Euros could be prepared by converting the figures at the exchange rate for a particular date, but this would not be accurate since transactions are spread across the financial year, during which a range of exchange rates have existed. Any significant foreign exchange impacts are described in the notes to the accounts. The full accounts have been published separately to the this activity report.

Reserves policy

The total funds for the year ended 31 December 2018 was £309,569 [YE 31 December 2017, £178,050]. It is the policy of the trustees to maintain sufficient reserves for the Academia Europaea to continue its charitable activities and in view of this, the trustees aim to achieve reserves equal to approximately six months of operations. A review of reserves policy will be undertaken every year.

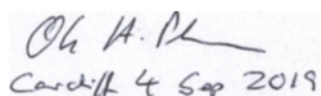
Income and expenditure for the period ended 31 December 2018 (summary overview)

The year was one of continuing progress towards stability. Our total income for the year was £511,389. Total expenditure was £379,870. The balance of funds brought forward to 2018 from 2017 was £178,050. In addition to normal income and expenditure, the accounts also reflect income and expenditures associated to the European Commission SAPEA grant. The AE benefits from overhead associated with our involvement in this project activity.

The AE as a charity seeks to operate an effective zero balance budget. We are essentially dependent upon members' donation income and in 2018 this was at £185,671 and life membership payments totalled £25,807. This represented a positive increase over previous years. The Trustees stress to all members, the importance of supporting the Academia by making a donation every year, preferably at the recommended level. Without more members making a payment, the AE will not be able to grow the range and type of activity and support for member initiatives that we all hope for. Whilst a voluntary scheme remains our policy, the Trustees reviewed this policy in November and decided to levy a simplified recommended general fee rate, linked to age-related banding for annual donations, per member. Sponsorship continued to be successful for individual activity, and we thank the Wenner Gren Foundations (Sweden), The Heinz-Nixdorf Foundation (Germany), The Balzan Foundation (Switzerland) and COST for their support and the support of other sponsors, especially the Caixa Foundation (Barcelona) and our Patron member The German Academy of Sciences (Leopoldina). The Board continued to recognise the ongoing difficulty in obtaining core financial support from public and private institutions.

The examiner's accounts for 2018 have been filed and can be viewed through the Academia Europaea website; the UK government Companies House and the Charities Commission of England and Wales websites respectively.

Signed



Sierd Cloetingh, President

Ole Petersen, Deputy Treasurer

Annex 1: Members elected in 2018 and who subsequently accepted an invitation into membership

Class A1 – Humanities – Chair: Professor Svend Erik Larsen (DK)

Full name	Country	Membership type
<u>History & Archaeology (14)</u>	c. Nikita Harwich-Vallenilla	
Antohti Sorin	Romania	ORDINARY
Baten Joerg	Germany	ORDINARY
Conrad Sebastian	Germany	ORDINARY
Craveri Benedetta	Italy	ORDINARY
de Cazanove Olivier	France	ORDINARY
Drews Wolfram	Germany	ORDINARY
Hammond Norman	United Kingdom	ORDINARY
Havard Gilles	France	ORDINARY
Morozov Viacheslav	Estonia	ORDINARY
Nordeide Sæbjørg Walaker	Norway	ORDINARY
Reinhardt Carsten	Germany	ORDINARY
Rubin Miri	United Kingdom	ORDINARY
Stampolidis Nikolaos	Greece	ORDINARY
Zahedieh Nuala	United Kingdom	ORDINARY

<u>Linguistic Studies (17)</u>	c. Alain Peyraube	
Behrens Heike	Switzerland	ORDINARY
Dalrymple Mary	United Kingdom	ORDINARY
Daniel Recasens	Spain	ORDINARY
Fløttum Kjersti	Norway	ORDINARY
Gervain Judit	France	ORDINARY
Himmelmann Nikolaus	Germany	ORDINARY
Lew Robert	Poland	ORDINARY
Lieven Elena	United Kingdom	ORDINARY
Maiden Martin	United Kingdom	ORDINARY
Manzini Maria Rita	Italy	ORDINARY
Moro Andrea	Italy	ORDINARY
Pica Pierre	France	ORDINARY
Ramchand Gillian	Norway	ORDINARY
Robert Stéphane	France	ORDINARY

Storch Anne	Germany	ORDINARY
van Kemenade Ans	The Netherlands	ORDINARY
Zúñiga Fernando	Switzerland	ORDINARY

Literary & Theatrical Studies (8)	c. Vladimir Biti	
Arnds Peter	Ireland	ORDINARY
Blaim Artur	Poland	ORDINARY
Gasché Rodolphe	United States	FOREIGN
Helgesson Stefan	Sweden	ORDINARY
Inaga Shigemi	Japan	FOREIGN
Nie Zhenzhao	China	FOREIGN
Shang Biwu	China	FOREIGN
Syrotinski Michael	United Kingdom	ORDINARY

Musicology & History of Art & Architecture (3)	c. Laurenz Lütteken	
Favier Thierry	France	ORDINARY
Gahtgens Thomas	Germany	ORDINARY
Wald-Fuhrmann Melanie	Germany	ORDINARY

Philosophy, Theology & Religious Studies (9)	c. Genoveva Marti	
Brinzei Monica	France	ORDINARY
Cappelen Herman	Norway	ORDINARY
Cartwright Nancy	United Kingdom	ORDINARY
Dokic Jérôme	France	ORDINARY
Macpherson Fiona	United Kingdom	ORDINARY
Murawski Roman	Poland	ORDINARY
Negri Sara	Finland	ORDINARY
Rosenkranz Sven	Spain	ORDINARY
Ruphy Stéphanie	France	ORDINARY

Film, Media and Visual Studies (10)	c. Kirsten Drotner	
Cardoso Gustavo	Portugal	ORDINARY
Karmasin Matthias	Austria	ORDINARY
Kunelius Risto	Finland	ORDINARY
Licoppe Christian	France	ORDINARY
Madianou Mirca	United Kingdom	ORDINARY
Pisters Patricia P. R.	The Netherlands	ORDINARY
Sarikakis Katherine	Austria	ORDINARY
Splichal Slavko	Slovenia	ORDINARY
Ytreberg Espen	Norway	ORDINARY

Class A2 - Social and Societal sciences: Class chair Professor Bjorn Wittrock (Sweden)

Full name	Country	Membership type
<u>Behavioural Sciences (5)</u>	c. Peter Scott	
Hofmann Stefan	United States	ORDINARY
McKee Martin	United Kingdom	ORDINARY
McQueen James	The Netherlands	ORDINARY
Rastle Kathleen	United Kingdom	ORDINARY
Robertson Ian H	Ireland	ORDINARY

<u>Social Sciences (9)</u>	c. Maria Paradiso	
Davie Grace	United Kingdom	ORDINARY
Hann Chris	Germany	ORDINARY
Karolewski Ireneusz	Poland	ORDINARY
Knöbl Wolfgang	Germany	ORDINARY
Massey Douglas S.	United States	FOREIGN
MAUREL Marie-Claude	France	ORDINARY
Randeria Shalini	Austria	ORDINARY
Slomczynski Kazimierz M.	Poland	ORDINARY
Zielonka Jan	United Kingdom	ORDINARY

<u>Law (12)</u>	c. Dagmar Coester-Waltjen	
Cohen Nili	Israel	ORDINARY
CRAIOVAN ION	Romania	ORDINARY
Dehousse Renaud	Italy	ORDINARY
Di Cataldo Vincenzo	Italy	ORDINARY
FULCHIRON Hugues	France	ORDINARY
González Beilfuss Cristina	Spain	ORDINARY
Griller Stefan	Austria	ORDINARY
Koskenniemi Martti	Finland	ORDINARY
Josipovic Tatjana	Croatia	ORDINARY
Povlakic Meliha	Bosnia and Herzegovina	FOREIGN
Reid Kenneth	United Kingdom	ORDINARY
Vékás Lajos	Hungary	ORDINARY

Economics, Business and Management Sciences (13)	c. Klaus Zimmermann	
Clark Andrew	France	ORDINARY
Dewatripont Mathias	Belgium	ORDINARY
Dreher Axel	Germany	ORDINARY
Eckstein Zvi	Israel	ORDINARY
Fischbacher Urs	Germany	ORDINARY
Macho-Stadler Inés	Spain	ORDINARY
Marcet Albert	Spain	ORDINARY
Moulin Hervé	United Kingdom	ORDINARY
Riphahn Regina Therese	Germany	ORDINARY
Sutter Matthias	Germany	ORDINARY
van Ours Jan	The Netherlands	ORDINARY
Verspagen Bart	The Netherlands	ORDINARY
Wahba Jackline	United Kingdom	ORDINARY

Class B - Exact and Natural Sciences: Chair Don Dingwell (D)

Full name	Country	Membership type
Mathematics (8)	c. Jürg Kramer	
Baladi Viviane	France	ORDINARY
Birch Bryan	United Kingdom	ORDINARY
Ciliberto Ciro	Italy	ORDINARY
Da Prato Giuseppe	Italy	ORDINARY
Holden Helge	Norway	ORDINARY
Hrushovski Ehud	United Kingdom	ORDINARY
Levine Marc	Germany	ORDINARY
Tardos Gábor	Hungary	ORDINARY

Informatics (23)	c. Schahram Dustdar	
Adeli Hojjat	United States	FOREIGN
Aleskerov Fuad	Russia	ORDINARY
Azcorra Saloña Arturo	Spain	ORDINARY
Bezem Marcus Aloysius	Norway	ORDINARY
Chen C.L. Philip	China	FOREIGN
Fellows Michael	Norway	ORDINARY
Frieder Ophir	United States	FOREIGN
Fu Xiaoming	Germany	ORDINARY
Guo Yike	United Kingdom	ORDINARY
Hillston Jane	United Kingdom	ORDINARY
Kempe Julia	United States	FOREIGN
Larrañaga Pedro	Spain	ORDINARY

Li Wei	China	FOREIGN
Mei Hong	China	FOREIGN
Mencer Oskar	United Kingdom	ORDINARY
Mutlu Onur	Switzerland	ORDINARY
Nicolau Alexandru	United States	FOREIGN
Oliver Nuria	United Kingdom	ORDINARY
Panetto Hervé	France	ORDINARY
Paton Norman	United Kingdom	ORDINARY
Srinivasan Aravind	United States	FOREIGN
Tirado Francisco	Spain	ORDINARY
Zhu Wenwu	China	FOREIGN

Physics & Engineering Sciences (18)	c. Muhsin Harakeh	
Blondel Vincent	Belgium	ORDINARY
Brillet Alain	France	ORDINARY
Fantz Ursel	Germany	ORDINARY
Fortunato Elvira	Portugal	ORDINARY
Gao Huajian	United States	FOREIGN
Gielen Georges	Belgium	ORDINARY
Guidal Michel	France	ORDINARY
Halzen Francis	United States	FOREIGN
Kellerbauer Alban	Germany	ORDINARY
Kremer Kurt	Germany	ORDINARY
Leng Jinsong	China	FOREIGN
Lewenstein Maciej	Spain	ORDINARY
Madryas Cezary	Poland	ORDINARY
Masiero Antonio	Italy	ORDINARY
Meng Jie	China	FOREIGN
Olko Paweł	Poland	ORDINARY
Rosei Federico	Canada	FOREIGN
Xu Nu	United States	FOREIGN

Chemical Sciences (21)	c. Graham Hutchings	
Ananikov Valentine	Russia	ORDINARY
Boldyreva Elena	Russia	ORDINARY
Bruce Peter	United Kingdom	ORDINARY
Campbell Eleanor	United Kingdom	ORDINARY
Gagliardi Laura	United States	FOREIGN
Grobert Nicole	United Kingdom	ORDINARY
Klein Michael	United States	FOREIGN
Liz-Marzán Luis	Spain	ORDINARY
Malacria Max	France	ORDINARY
Martín Nazario	Spain	ORDINARY
Moberg Christina	Sweden	ORDINARY

Murzin Dmitry	Finland	ORDINARY
Neese Frank Günther	Germany	ORDINARY
O'Brien Paul	United Kingdom	ORDINARY
Orr-Ewing Andrew	United Kingdom	ORDINARY
Parkin Ivan	United Kingdom	ORDINARY
Perez Pedro J	Spain	ORDINARY
Price Sarah (Sally)	United Kingdom	ORDINARY
Roithová Jana	Czech Republic	ORDINARY
Schwille Petra	Germany	ORDINARY
Sessoli Roberta	Italy	ORDINARY

Earth & Cosmic Sciences (23)	c. Paolo Papale	
Acocella Valerio	Italy	ORDINARY
Baklanov Alexander	Switzerland	ORDINARY
Boetius Antje	Germany	ORDINARY
Diament Michel	France	ORDINARY
Ehlers Todd	Germany	ORDINARY
Gattuso Jean-Pierre	France	ORDINARY
Gerya Taras	Switzerland	ORDINARY
Giardini Domenico	Switzerland	ORDINARY
Jenkyns Hugh	United Kingdom	ORDINARY
Krawczyk Charlotte	Germany	ORDINARY
Laj Carlo	France	ORDINARY
Lavallée Yan	Germany	ORDINARY
Lockwood Michael	United Kingdom	ORDINARY
Marzocchi Warner	Italy	ORDINARY
Matenco Liviu Ciprian	The Netherlands	ORDINARY
O'Dowd Colin	Ireland	ORDINARY
Pallister John	United States	FOREIGN
Pekov Igor	Russia	ORDINARY
Scheck-Wenderoth Magdalena	Germany	ORDINARY
Stoffel Markus	Switzerland	ORDINARY
Tintore Joaquim	Spain	ORDINARY
Wijers Ralph	The Netherlands	ORDINARY
Wood Bernard	United Kingdom	ORDINARY

Full name	Country	Membership type
Biochemistry & Molecular Biology (12)	c. Witold Filipowicz	
Bork Peer	Germany	ORDINARY
Bujnicki Janusz	Poland	ORDINARY
Chacińska Agnieszka	Poland	ORDINARY
Dinnyes Andras Janos	Hungary	ORDINARY
GICQUEL BRIGITTE	France	ORDINARY
Ivics Zoltan	Germany	ORDINARY
Lukas Jiri	Denmark	ORDINARY
Morgante Michele	Italy	ORDINARY
Müller Christoph	Germany	ORDINARY
Pizza Mariagrazia	Italy	ORDINARY
Romby Pascale	France	ORDINARY
Prangishvili David	France	ORDINARY

Cell and Development Biology (5)	c. Margaret Buckingham	
Benvenisty Nissim	Israel	ORDINARY
Fleming Ingrid	Germany	ORDINARY
Muñoz-Cánoves Pura	Spain	ORDINARY
NOELLI STEPHANE	France	ORDINARY
Rodewald Hans-Reimer	Germany	ORDINARY

Physiology and Neuroscience (23)	c. Dmitry Rusakov	
BALLY-CUIF Laure	France	ORDINARY
Bloem Bastiaan	The Netherlands	ORDINARY
Bradke Frank	Germany	ORDINARY
Cao Yihai	Sweden	ORDINARY
Dirnagl Ulrich	Germany	ORDINARY
Dolphin Annette Catherine	United Kingdom	ORDINARY
Ferrer Isidro	Spain	ORDINARY
Goedert Michel	United Kingdom	ORDINARY
Grant Seth	United Kingdom	ORDINARY
Hardy John	United Kingdom	ORDINARY
HEGYI PÉTER	Hungary	ORDINARY
Hoenderop Joost G.J.	The Netherlands	ORDINARY
Hoppeler Hans Heinrich	Switzerland	ORDINARY
KELESTIMUR FAHRETTIN	Turkey	ORDINARY

Kokaia Merab	Sweden	ORDINARY
KOVACS GABOR GEZA	Austria	ORDINARY
Novak Michal	Slovakia	ORDINARY
Pinton Paolo	Italy	ORDINARY
Platt Frances Mary	United Kingdom	ORDINARY
Reif Andreas	Germany	ORDINARY
Striessnig Joerg	Austria	ORDINARY
Thompson Alan	United Kingdom	ORDINARY
Vanduffel Wim	Belgium	ORDINARY

Organismic & Evolutionary Biology (7)	c. Christophe Thébaud	
Aksnes Dag Lorents	Norway	ORDINARY
Báldi András	Hungary	ORDINARY
Hochberg Michael	France	ORDINARY
McLean Angela	United Kingdom	ORDINARY
Novotny Vojtech	Czech Republic	ORDINARY
Wilson Rory	United Kingdom	ORDINARY
Zhang Ya-Ping	China	FOREIGN

Clinical and Veterinary Science (15)	c. Stephen Holgate	
Bel Elisabeth	The Netherlands	ORDINARY
Bosch José Francisco Javier	Spain	ORDINARY
Boumpas Dimitrios	Greece	ORDINARY
Canonica Giorgio Walter	Italy	ORDINARY
Corner Jessica	United Kingdom	ORDINARY
Fouchier Ron	The Netherlands	ORDINARY
Iredale John	United Kingdom	ORDINARY
JOOS Guy	Belgium	ORDINARY
Kullberg Bart Jan	The Netherlands	ORDINARY
Levi-Schaffer Francesca	Israel	ORDINARY
Muñoz Nubia	France	ORDINARY
Sandström Thomas	Sweden	ORDINARY
Seckl Jonathan	United Kingdom	ORDINARY
Segal Anthony	United Kingdom	ORDINARY
Smyth Rosalind	United Kingdom	ORDINARY

Annex 2 Trustees, Council, and Section Committee composition as at 31st December 2018

At the AGM in September 2015, the Regulations were amended to allow the appointment by the Board of a variable number of Vice Presidents (ex officio) to provide flexibility to the President and that serve a VP term limited to that of the President. These changes are within the overall limits set for the Trustees in the Articles of Incorporation and do not impact on the role or seniority of the elected officers. The Articles prescribe a Board made up of not less than 3 and NOT MORE than 15 members. The Articles describe a Board made up of elected officers (President, Vice Presidents and the Treasurer – all elected by the general meeting); a number of members (appointed by the Council) and a number of co-opted (by the Board) members. The subsidiary Regulations are used to determine numbers and balance up to the limit of 15. The current formula is: President, elected Vice presidents (up to 2 were approved by AGM in 2012); Treasurer. Three members appointed from the Council.

In November 2015 the Board approved the designation of several existing Trustees as Vice Presidents ex officio, to reflect new portfolios. In 2018 these were Professor Dingwell (Class Chair); Professor Svend Erik Larsen (Class Chair) Professor Bjorn Wittrock (Class Chair) and Professor Ole Petersen (acting Treasurer). Governance and incorporation documents can be found on the website (www.ae-info.org).

Members of the Board of Trustees (at 31st December 2018)

The President – Prof. Sierd Cloetingh (Utrecht) from AGM 2014 to AGM 2020

The Treasurer – Prof. Ole Petersen (Cardiff) to AGM 2018, Vice president (*ex officio*)

Treasurer elect Professor Vejko Milutinovic (elected at the AGM 2018) from 1 January 2019

The Vice President – Prof. Genoveva Marti elected at the AGM 2018.

Theo D'Haen, (B) (Editor-in-chief – European Review – co-opted 2014);

Svend Erik Larsen (DK) – Class chair – Class A1 (Humanities) co-opted Vice President *ex officio*;

Don Dingwell (D) – Class Chair – Class B (Natural Sciences) co-opted Vice President *ex officio*;

Alex Verkhatsky (UK) – Class Chair – Class C (Life Sciences) co-opted Vice president *ex officio*;

Eva Kondorosi (HUN) from January 2016, co-opted

Bjorn Wittrock (SWE) co-opted, Class chair from January 2018 vice President *ex officio*

Alain Peyraube (Linguistics) France – from Council

Kirsten Drotner (Film, Media and Visual Studies) Denmark – from Council

Dagmar Coester-Waltjen (Law) Germany – from Council

Academia Europaea - Composition of the Advisory Council (at 31 December 2018)

All terms of office are three years, with the possibility of renewal for one further period of three years. Positions on subcommittees are not time-limited. **Since September 2006 Chairs of Sections are all full members of the Council.** From 1st January, 2008 all Section chairs serve a three year term (renewable once). The first date of retirement for them was 31 December 2010. The Trustees (Officers) are *de facto* members of the Advisory Council.

	Sectn.	First appoint.	Reappoint	Retire
<u>President*</u>			2017	2020
<u>Vice-President(s)*</u>				2021
<u>Treasurer* [pro tem]</u>				2018

Independent Council Members elected by AGM

Laszlo Csernai, Bergen	B3	Sept 2013	2016	2019
Marie Farge, Paris	B3	Sept 2013	2016	2019
Xavier COSTA-GUIX, Spain		June 2016	2019	

Plus all the Chairs of Sections (as follows).

Academia Europaea Section Committees Chairpersons and Committee Members¹

At 31 December 2018

CLASS A1

A1 History & Archaeology

Chairperson²: Nikita Harwich Vallenilla (until AGM 2019)⁴

harwich.nikita@noos.fr

University of Paris X-Nanterre, 35 Rue de Noailles, 78100 Saint-Germain-en-Laye, France

Committee³: Graeme Barker (till AGM 2019), Pieter Emmer (till AGM 2019), Nicholas Canny (till AGM 2019), Michael North (till AGM 2019), Ryszard Stemplowski (till AGM 2019); Amalia Polónia, (till AGM 2019, renewable); Olga Katsiardi-Hering (till AGM 2019, renewable), Renate Pieper (till end of December 2019)

* Members of the Board (of Management)

A2 Classics & Oriental Studies

Chairperson: Irmela Hijjya-Kirschner (to 2019, renewable)
i.hijjya@fu-berlin.de Hittorfstr. 18 D-14195 Berlin

Committee: Barbara Borg (till AGM 2019, renewable), Gerd Haverling (till AGM 2019, renewable), Eun-Jeung Lee (till AGM 2019, renewable), Alexander Lubotsky (till AGM 2019, renewable), Gianfranco Agosti (till end of 2021, renewable), Alessandro Bausi, (to end of 2021, renewable), Alexander Vovin (to end of 2021, renewable)

A3 Linguistic Studies

Chairperson: Alain Peytraube (until AGM. 2019)
alain.peytraube@gmail.com

Committee: Maria Koptjevskaja–Tamm (till AGM 2019), Wolfgang Dressler (till AGM 2019), Pier Marco Bertinetto (till AGM 2020 – VICE CHAIR), Katarzyna Dziubalska-Kolaczyk (till AGM 2020)), Asifa Majid (first term ends end of 2020, renewable), Nigel Vincent (first term ends end of 2020, renewable).

A4 Literary & Theatrical Studies

Chairperson: Vladimir Biti (to end of 2021)
vladimir.biti@univie.ac.at http://www.ae-info.org/ae/User/Biti_Vladimir
University of Vienna, Institut für Slawistik, Spitalgasse 2-4, Hof 3, 1090 Vienna, Austria

Committee: César Domínguez, Lucia Boldrini (to end 2020), Susana Onega (to end 2020), Vivian Liska (to end 2020, renewable)

A5 Musicology & History of Art & Architecture

Chairperson: Laurenz Lütteken (till AGM 2019, renewable)
University of Zurich. luetteken@access.uzh.ch
http://www.ae-info.org/ae/Member/L%C3%BCtteken_Laurenz

Committee: Christian Leitmeir, Lynda Nead, Raphael Rosenberg, Victor Stoichita, Valeska von Rosen (all till December 2020), Melanie Wald-Fuhrmann (until end of 2021, renewable)

A6 Philosophy, Theology & Religious Studies

Chairperson: Genoveva Martí (till AGM 2019, renewable)
ICREA and Universitat de Barcelona, Departament de Filosofia, Montalegre 6, 08001 Barcelona
genoveva.marti@gmail.com

Committee: Claudine Tiercelin, Wlodek Rabinowicz (all until AGM of 2018, all renewable), Tim Crane (until end 2019), Christoph Marksches (till end of 2020, renewable)

A7 Film, Media and Visual Studies Chairperson: Göran Bolin (from AGM 2018 – AGM 2021, renewable)

Goran.bolin@sh.se School of Culture and Communication, Södertörn University, Sweden

Committee: Kirsten Drotner (until 2021), Daniel Biltereyst, Maren Hartmann and Fausto Colombo (all to end of 2020), Helena Bilandzic (to the end of 2021, renewable)

CLASS A2

A8 Behavioural Sciences

Chairperson: Peter Scott (to AGM 2019)
p.scott@ioe.ac.uk <https://www.ioe.ac.uk/staff/51229.html>
University of London, Institute of Education, 20 Bedford Way, London WC1H 0AL, UK

Committee: Terrie E. Moffitt, Kurt Pawlik, Ulrich Teichler, Johan P. Mackenbach, Archana Singh-Manoux; Gianvittorio Caprara (until AGM 2019, renewable)

A9 Social Sciences

Chairperson: Maria Paradiso (to end 2020, renewable)
paradiso@unisannio.it
Department DEMM of Social Sciences. Geography Unit. University of Sannio, Piazza Arechi II, 82 - 82100 Benevento, Italy

Committee: Alessandro Cavalli (to end 2018), Yale Ferguson (to end 2019), Sture Öberg (to end 2019, renewable), Justin Stagl (to end 2017), Yola Verhasselt (to end 2017), Maria Dolores Garcia-Ramon (until December 2017, renewable), Alun Jones (until December 2017, renewable)

A10 Law

Chairperson: Dagmar Coester-Waltjen (to AGM 2021)
coewa@freenet.de <http://www.uni-goettingen.de/de/person/100247.html>
Hilariastrasse 7, Pullach, Germany

Committee: Nina Detloff (until December 2019, renewable), Rosa Greaves (until December 2019, renewable), Kurt Seelmann (until December 2019, renewable), Verica Trstenjak (until end 2020), Alain Strowel (until end 2020)

A11 Economics, Business and Management Sciences
Chairperson: Klaus Zimmermann (to Nov 2017, renewable)
klaus.f.zimmermann@gmail.com
University of Bonn, Regina-Pacis-Weg 3, 53113 Bonn, Germany

Committee: Gianmarco Ottaviano, Jeroen van den Bergh, from January 2016 – Amelie Constant, Mirjana Radovic-Markovic, Reinhilde Veugelers (all until end of 2018, renewable)

CLASS B

B1 Mathematics
Chairperson: Jürg Kramer (to 2019)
Kramer@math.hu-berlin.de
Department of Mathematics, Humboldt University, Unter den Linden 6, 10099 Berlin

Committee: Helmut Hofer (to September 2019 not renewable), Philippe Michel [to 2020 not renewable], Jean-Benoît Bost (to end 2021, renewable), Martin Hairer (to end 2021, renewable), (Volker Mehrmann (to end 2021, renewable)

B2 Informatics
Chairperson: Schahram Dustdar (until Dec 2019, renewable)
dustdar@dsg.tuwien.ac.at
TU Wien, Distributed Systems Group, Argentinierstrasse 8, 1040 Vienna. Austria

Committee: Dieter Fellner (until AGM of 2018), Paul Spirakis (to 2017), Carlo Ghezzi (to 2017, renewable), Jan Bergstra (until end 2019)

B3 Physics and Engineering Sciences
Chairperson: Pavel Exner (until end of 2021, renewable)
exner@ujf.cas.cz Doppler Institute, Brehova 7, 11519, Prague, Czech Republic

Committee: Michael Peter Kennedy (until end 2020, renewable), Angela Bracco – Vice Chair (until end 2020, renewable), Sydney Galès (until AGM 2019), Karlheinz Langanke (until AGM 2019), Maciej Ogorzalek (first term till AGM 2017, renewable), Minh Quang Tran (till AGM 2020, not renewable), Ursel Fantz (until end of 2021, renewable), Nasser Kalantar-Nayestanaki (to the end of 2021, renewable)

B4 Chemical Sciences
Chairperson: Graham Hutchings (to AGM 2019, renewable)
hutch@cf.ac.uk
Cardiff Catalysis Institute, School of Chemistry, Cardiff University Cardiff, CF10 3AT UK

Committee: from January 2014 to 2016 - Carmen Claver, Janine Cossy, Konstantin Hadjiivanov, Joachim Sauer, Malgorzata Witko, Bert Weckhuysen (until December 2019, renewable)

B5 Earth and Cosmic Sciences
Chairperson: Paolo Papale (until December 2019, renewable).
papale@pi.ingv.it
Istituto Nazionale di Geofisica e Vulcanologia

Committee: Enric Banda (till end 2020), Tuija Pulkkinen (till end 2021), John Ludden (till end 2021), Gerald Gilmore (till 2020, renewable)

CLASS C

C1 Biochemistry and Molecular Biology
Chairperson: Witold Filipowicz (to 2019)
filipowi@fmi.ch
Friedrich Meischer Institute for Biomedical Research, Maulbeerstrasse 66, CH-4.58 Basel, Switzerland

Committee: Anton Berns, Nicholas Hastie, Maurizio Brunori, Esteban Domingo, Daniela Rhodes, Moshe Yaniv (all from September 2013 to 2016, renewable)

C2 Cell and Developmental Biology
Chairperson: Margaret Buckingham
margab@pasteur.fr
Institut Pasteur, Department of Biologie du Développement, CNRS URA2578, 25 rue du Dr Roux, Paris Cedex 75724, France

Committee: Meinrad Busslinger, Carl-Henrik Heldin, Elisabetta Dejana (first term ends AGM 2018, renewable), Anne Ephrussi (first term ends AGM 2018, renewable), Austin Smith (first term ends AGM 2018, renewable)

C3 Physiology and Neuroscience (renamed at the AGM of 2015)
Chairperson: Dmitri Rusakov (to AGM 2019)
d.rusakov@ucl.ac.uk
UCL Institute of Neurology, Queens Square, London, WC1N 3BG, UK

Committee: Marina Bentivoglio (till AGM 2017, renewable), Alfonso Araque (till AGM 2018), Robert Zorec (till AGM 2018), Vladimir Parpura (till AGM 2017, renewable), Riitta Salmelin (till AGM 2017, renewable), Cisca Wijmenga (till AGM 2019), Barbara Franke (till 31 December 2018, renewable)

C4 Organismic and Evolutionary Biology
Chairperson: Christophe Thébaud (To AGM 2019, renewable)
christophe.thebaud@univ-tlse3.fr
UMR 5174 CNRS 'Evolution et Diversité Biologique', Université Paul Sabatier, 31 062 Toulouse cedex 4, France

Committee: Roy Anderson (to end 2016), Lars Walløe (to end 2016), Pat Monaghan (to 2017), Ricardo Guerrero (to 2017)

C5 Clinical and Veterinary Science
Chairperson: Stephen Holgate (To end 2021)
sth@soton.ac.uk
Sir Henry Wellcome Laboratories, University of Southampton, SO16 6YD, UK

Committee: Christopher Griffiths (until AGM 2019, renewable), Paul Matthews (until AGM 2019, renewable), Richard Frackowiak (until AGM 2019, renewable)

1 Committees are elected by the members of the section accordance with the Regulations for Section Committees. At least 50% of the committee has to be elected by a ballot of the membership of the Section. All members of the Section are eligible to stand for election as Committee candidates. The exact procedure for rotation and elections is decided by the Committees themselves. The Chair must ensure the committees reflect a balance of representation of the fields within the Section and should ensure a regular rotation of members of the committee.

2 Chairs serve a three term, renewable once only for a further three years.

3 Committee members serve a three year term that can be renewed once only for a further three year period.

4 (date first term ends / date second and final term ends subject to agreement of the committee and Council)

Academia Europaea | Barcelona Knowledge Hub



2018 Annual Report of Activities for the Board of Trustees of the Academia Europaea

March 29, 2019

PARTNERS of the AE-BKH:





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EXECUTIVE SUMMARY

2018 Annual Report of Activities: Barcelona Knowledge Hub

1. Overview

The **Barcelona Knowledge Hub (AE-BKH)**, founded in 2013, is the node of **Academia Europaea (AE)** in southern Europe and the Mediterranean region. Its main aim is to promote activities of interest for AE Members in this area and for the scientific community in general, with the end goal of helping consolidate a genuine European area of research, education and innovation.

The AE-BKH office is located within the **Institute for Catalan Studies (IEC)** in downtown Barcelona. Its staff is comprised of an Academic Director, Prof. Ricard Guerrero; a Hub Manager, Kimberly Katte; a Web Master and Social Networking Manager, Rubén Duro; and a team of four external collaborators, namely, Carmen Chica, Mercè Berlanga, Mercè Piqueras and Maite Sánchez. The following organisations from Barcelona/Catalonia are AE-BKH's partners: the **Barcelona City Council**, the **Government of Catalonia** (Universities and Research Secretariat) and **“la Caixa” Banking Foundation**.

The Annual Conference of the AE, which until then had rotated among different European cities of cultural and scientific significance, will from now on be hosted by the BKH.

The AE-BKH also provides administrative support to the **Young Academy of Europe (YAE)**, a group of more than 200 renowned young scholars from all over Europe from the EC. YAE organised its 2018 annual conference in Barcelona with the support of the AE-BKH.

2. Annual programming in 2018

During 2018, the main goal of the AE-BKH was to increase both the quantity and quality of the activities that it organises. In order to reach this goal, the AE-BKH carried out the following activities within the framework of its annual programming in 2018:

Women's Week 2018: The AE-BKH 7th Annual Women's Week commemorating International Women's Day, as established by the United Nations in 1977, consisted this year of three events at three different locations: a concert by singer Lídia Pujol, held at the IEC on March 6th; the première of the documentary film, “Symbiotic Earth”, at the Museum of Natural Sciences of Barcelona (MCNB, “Museu Blau”), on March 7th; and an academic session on symbiosis and Lynn Margulis, held at the Athenaeum of Barcelona on March 8th.

International Day of Light: The AE-BKH celebrated its first International Day of Light (IDL) on May 16th, as declared by UNESCO as such, starting in 2018. This day marks the anniversary of when Theodore Maiman obtained the first laser light emission from a ruby crystal in California in 1960. With the collaboration of the University of Barcelona, the Technical University of Catalonia and the Catalan Society for Physics, the AE-BKH organised the event, “Light Speaks to Us”, at the IEC on May 16th and 17th. IDL is proposed as a part of the AE-BKH's annual programming from now on.

Disputatio of Barcelona 2018: Since 2013, the AE-BKH has organised the *Disputatio* of Barcelona, an annual debate between two renowned experts holding different points of view on an issue of social and scientific significance, with a high level of audience participation. With the title, “Cooperation vs. Competition: Two Economists' Points of View”,



the *Disputatio* in its 6th edition took place on November 28th at the IEC. Participating debaters were Prof. Hervé Moulin of the University of Glasgow, and Prof. Gabrielle Demange of the School of Advanced Studies in the Social Sciences (EHESS, Paris). With Prof. Salvador Barberà of the Autonomous University of Barcelona as moderator, the debate centred on social and political aspects of cooperation and competition in capitalism, highlighting areas of agreement and disagreement.

Concert “Building Bridges in the Mediterranean Region”: The Syrian-Kurdish Band led by Gani Mirzo performed a concert at the Royal Academy of Medicine of Catalonia on November 29th, which was warmly received by the audience. The concert invited cultures in the Mediterranean region to build bridges of dialogue through their respective musical traditions: Eastern Asian, Iranian, Persian, Kurdish, Armenian, and Western Mediterranean, including North African of Andalusian origin. The event reflects the AE-BKH’s commitment to offering a special concert in its annual programming.

3. Featured activities in 2018

Another objective of the AE-BKH is to strengthen its network of contacts with academic and research institutions, in order to consolidate Barcelona as a scientific hub in southern Europe and the Mediterranean region. During 2018, two strategic actions were implemented along these lines, with the idea that both will hopefully continue in subsequent years:

Barcelona Hypatia European Science Prize: In September, the Barcelona City Council and the AE-BKH announced the call for nominations for the first edition of the Hypatia Prize in the category of Science and Technology, which seeks to project Barcelona as a European capital of research and innovation. The main goal of the prize is to spotlight science and humanities and to promote, support and enhance the value of excellent research conducted in Europe and of its impact on society. The international Selection Jury met in November 12th and agreed unanimously to award the prize to Dr. László Lovász, mathematician and President of the Hungarian Academy of Sciences, for his extensive career in math and his contributions toward social progress (the award ceremony will be held in the *Saló de Cent* of the City council Building with the presence of the Barcelona’ Mayor, Ada Colau in February 2019).

The 30th Annual Conference of the Academia Europaea: “Building Bridges 2018”. From November 27th to 30th, the AE-BKH hosted the 30th Annual Conference of the Academia Europaea (AE). IEC was the venue for the AE Board meeting (November 27th) and for the AE Section meetings (November 28th), while plenary sessions were held at CosmoCaixa on November 29th, featuring speakers recognised with honours such as the Balzan Prize and the AE Erasmus Medal and Gold Medal. Also, two sessions were devoted to research networks funded by COST Actions of the EU. Finally, on November 30th, many conference delegates participated in the geological and cultural field trip to Banyoles and Besalú. Given the success of the Building Bridges event, the AE, as previously mentioned, has decided to hold its future conferences in Barcelona.

4. Other activities during 2018

The AE-BKH also collaborated on activities organised by other academic organisations in 2018:

- 20th International Conference on the History of Catalan Medicine (Barcelona, 8-10 June)
- Workshop on Open Science (Barcelona, 20 June)
- Conference “Plumbum Litteratum: Lead Inscriptions in Roman Times” (5-7 September)



- 19th Congress of the European Association of Museums of the History of Medicine (Barcelona, 19-22 September)
- Board Meeting of the COSCE (Confederation of the Scientific Societies of Spain) (10 October)
- 11th Fernando González Bernáldez Lecture (Madrid, 17 October)

In conclusion, 2018 was a year of spectacular growth for the AE-BKH, both in terms of the quantity and quality of its activities. We consider that these activities have successfully achieved their objectives and have positioned our Hub for continued growth in 2019.

Ricard Guerrero, Academic Director

Kimberly Katte, Hub Manager



1. OVERVIEW

1.1 The AE- Barcelona Knowledge Hub



Academia Europaea
Barcelona Knowledge Hub

In 2012, the Government of Catalonia (Generalitat de Catalunya), the Barcelona City Council (Ajuntament de Barcelona) and the “la Caixa” Banking Foundation (Fundació Bancària “la Caixa”) created the Barcelona Knowledge Hub (from then on, AE-BKH) to promote activities of the AE in southern Europe and the Mediterranean region. These three organisations from Barcelona are partners of the AE-BKH, while the Institute for Catalan Studies (IEC) houses and supports the Hub’s office within its central headquarters located in the old city, holding historical ties with local medical and scientific institutions.

Operational since January 2013, the AE-BKH focuses on the promotion of activities of interest for the Members of AE and for the scientific community in general, with special emphasis on multidisciplinary activities that include transversal aspects of the natural and social sciences and the humanities. The sphere of influence covered by the AE-BKH includes, but not uniquely, the Mediterranean region and southern Europe.

The AE-BKH office is located on the premises of the IEC, a mid-17th century historical building very conveniently located in the centre of the city of Barcelona. Since August 2014, Prof. Dr. Ricard Guerrero of the UB, Emeritus, and Adjunct Professor of the University of Massachusetts-Amherst is the Academic Director. Until June, Doina Bird managed the Hub, and Griselda Ribas provided administrative support. In September, Kimberly Katte joined the AE-BKH as the new hub manager. As in the past, Rubén Duro continued to manage the website, digital content, social media, and the audiovisual section (i.e., AE-BKH “Barcelona in Action” Video Channel). External collaborators providing support for different activities organised by the Hub were Carmen Chica, Mercè Piqueras, Mercedes Berlanga, and Maite Sánchez. The administrative and technical support provided by the IEC staff to the AE-BKH is excellent and constitutes an essential part of its daily operations.

1.2 The Young Academy of Europe



The Young Academy of Europe (YAE) is a bottom-up initiative of active young and outstanding scholars working in Europe, with outspoken views about science and science policy. Currently with over 200 members, spread over the EU and affiliated countries, the YAE provides input and advice from a younger generation’s perspective – a vital requirement to shape EU-wide science policy for the prospering of science in Europe for future generations. Roughly 75% of YAE Fellows have ERC grants, although this is not a requirement for membership. YAE Fellows represent all three domains of science: Life Sciences, Physical Sciences and Engineering; and Social Sciences and Humanities.

The YAE is a grassroots organization of active and motivated young scholars, who have managed so far to be (pro-)active and influential without substantial administrative support. The YAE is transforming itself from a Förderverein into a registered charity, and has arranged administrative and website support from Academia Europaea (AE). This streamlines day-to-day activities, enabling the YAE Board members to focus even more on science policy, policy statements, and following implementation thereof. The aims and activities of the national young academies are



mainly focused at the national level while those of the YAE are at the European level, hence these are fully complementary and reinforce each other.

The YAE collaborates closely with organisations including EuroDoc, representing PhD students, and the Marie Curie Alumni Association, representing postdocs; thus, the inclusion of the YAE, representing junior staff members, fits perfectly in the timeframe of scientific careers. Moreover, the YAE collaborates with the Higher Education, Research and Culture in European Societies (Hercules) Group. Finally, the YAE also works closely with the AE, such as in SAPEA projects and joint meetings, and also gratefully acknowledges administrative support from the AE Hubs.

Since 2013, the AE-BKH provides administrative support to the YAE, working closely with its respective Chairs: Lynn Kamerlin, Stockholm (2014–2015); Nicole Grobert, Oxford (2015–2016); Hagit Amirav, Amsterdam (2016–2017); Marcel Swart, Girona (2017–2018), and the current Chair of the YAE, Mangala Srinivas, Radboud (2019–).

A summary of YAE activities in 2018 is included in Annex 1.

1.3 The AE-BKH International Advisory Committee (IAC)

During the 26th Annual Meeting of the AE, the Board and the Council of the AE created the International Advisory Committee (IAC) of the AE-BKH. Eleven academic members were appointed to the IAC, most of whom are Members of the Academia Europaea (MAE) from Mediterranean countries working in different fields of expertise. The members of the IAC are currently as follows:

Enric Banda, BSC, Barcelona
Pedro García-Barreno, Fellow of the RAE and RAMed, Madrid
M. Dolors Garcia-Ramon, UAB, Bellaterra
Ramon Gomis, IDIBAPS, Barcelona
Sergiu Hart, The Hebrew University, Jerusalem
Yvon Le Maho, Natl. Centre for Sci. Res., CNRS, Strasburg
Genoveva Martí, ICREA Professor UB, Barcelona
Marc Mayer, Faculty of Philology, UB, Barcelona
Maria Paradiso, University of Sannio, Benevento
Regina Revilla, Merck Sharp & Dohme Spain, Madrid
Rosalia Vargas, *Ciência Viva*, Lisbon



2. ANNUAL PROGRAMMING IN 2018

2.1 THE AE-BKH WOMEN'S WEEK 2018 (6–8 MARCH)

Woman, science and culture: a symbiotic connection.



The AE-BKH conducted its seventh Women's Week, commemorating International Women's Day (IWD), established by the United Nations in 1977 and taking place every 8 March. This year AE-BKH's WW 2018 was entitled "Woman, science and culture: A symbiotic connection". It was held at three different locations on three days.

The first day there was a concert on **March 6th** by singer Lúdia Pujol entitled "**Polorum Regina. Women as a reference for freedom**", held in the Prat de la Riba Hall of the Institute for Catalan Studies (IEC). On **March 7th**, the première of the US television documentary, "**Symbiotic Earth: How Lynn Margulis rocked the boat**", was screened in the Assembly Hall of the Museum of Natural Sciences of Barcelona (MCNB, "Museu Blau"). The film was directed by John Feldman and produced by Susan Davies of Hummingbird-Films, New York. On **March 8th**, a Session on "**Symbiotic Science: The Legacy of Lynn Margulis**" was held in the Verdaguer Hall at the Athenaeum of Barcelona (Ateneu Barcelonès). It was coordinated by Carmen Chica (AE-BKH) and presented by Ricard Faura (Athenaeum of Barcelona).

From 2006 to 2012, the Institute for Catalan Studies (IEC) commemorated International Women's Day (IWD) with a Distinguished Lecture. Since 2013, the Barcelona Knowledge Hub of the Academia Europaea (AE-BKH) within the IEC has hosted the event. Other activities have been added, such as a concert, workshop and visit to a centre of special cultural or scientific relevance in Barcelona. Thus, the activity has been renamed the AE-BKH Women's Week.

The three days of WW2018 began with a concert by Lúdia Pujol's. She gave a splendid recital titled "**Polorum Regina. Women as a reference for freedom**", on **March 6th**, at the IEC in the Prat de la Riba Hall. Lúdia Pujol is one of the most distinguished voices of Catalan in traditional and contemporary music today. She has worked with artists such as Brian Dunning (Nightnoise), Jackson Browne, Dulce Pontes, Kepa Junkera, Lluís Llach and Mayte Martín, among others.

In this performance, musical director Romà Escalas and singer Lúdia Pujol reflected on women as a reference of freedom. Lúdia's last song in the concert was called "*Polorum Regina*" (Queen of the Universe), from her album *Iter Luminis* (2017). It is a "virelai", a common form of medieval verse used often in poetry and music. It is one of the three fixed forms set to the late medieval music in Europe, along with the ballade and the rondeau from the late thirteenth to the fifteenth centuries. From the *Red Book*, codex of the 14th century kept in the Monastery of Montserrat, the song is a symbol of Women's identity and the direction of our consciousness that transcends matter, gender and hierarchy, leading us up to Virgin Mary, a dignified role model in the spiritual realm. The *Stella*



Matutina (Morning Star) was an initiatory magical order dedicated to the dissemination of the traditional teachings of the earlier Hermetic Order of the Golden Dawn. “The *Magnificat*” narrates Maria rebelling against injustice that marginalizes the most disadvantaged (women).



Other songs in the set list, created for the occasion of International Women's Day are traditional Catalan and Sephardic songs of daily events, and two from singer Cecilia, Evangelina Sobredo (1948-1976). "I'll stay single" from her second album was censored, as it boldly questioned women's place in Spanish society. This profound concert was successful in attendance and aesthetically attractive. Lídia Pujol and musicians Pau Figueres (guitar) and Miquel Àngel Cordero (double bass) lifted the audience emotionally.

Programme

- 1) Avrix mi galanica (Sephardic)
- 2) Because you cry, white doll (Sephardic)
- 3) I'll stay single / Tightrope walker (Cecilia)
- 4) Cecília (Catalan popular)
- 5) If it were not (Cecilia)
- 6) The testament of Amelia (Catalan Popular)
- 7) Nothing at all (Cecilia)
- 8) Caterina de Lyon (Catalan popular)
- 9) Alfonsina and the sea (Felix Luna / Ariel Ramírez)
- 10) Where will they stop (Cecilia)
- 11) If I Were In Heaven (Emily Brönte / Oscar Roig)
- 12) Magnificat / Polorum regina (Red Book of Montserrat)

On **March 7th**, the première of the documentary "**Symbiotic Earth: How Lynn Margulis rocked the boat and started a scientific revolution**" was screened at Natural Sciences Museum (Museu Blau), Parc del Forum. Pl. Leonardo da Vinci, 4-5. The documentary was directed by John Feldman and produced by Susan Davies at Hummingbird Films.

“Symbiotic Earth” explores the life and ideas of Lynn Margulis, a brilliant and radical scientist, whose unconventional theories challenged the male-dominated scientific community. As a young scientist in the 1960s, Margulis was ridiculed when she first proposed that symbiosis was a key driver of evolution, but she persisted. Instead of the mechanistic view that life evolved through random genetic mutations and relentless competition, she presented a symbiotic narrative in which bacteria joined with one another to create animals, plants and all other organisms, which together form a multi-dimensional living entity that covers the Earth. Humans are not the pinnacle of life with the right to exploit nature, but part of this complex cognitive system in which each of our actions has repercussions.

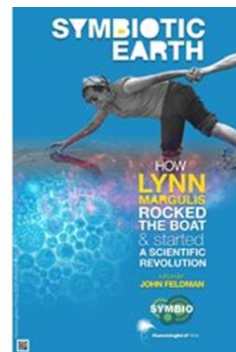
Filmmaker John Feldman travelled globally to meet Margulis' cutting-edge colleagues and continually asked: What happens when the truth changes? "Symbiotic Earth" examines the world view that has led to climate change and extreme capitalism and offers a new approach to understanding life that encourages a sustainable and symbiotic lifestyle. The film is 2 hours and 25 minutes long and has subtitles in Spanish. It is divided into 10 essays and an epilogue.

Structure of the film:

1. How Lynn Margulis coerced me into making this film
 2. How science gave us permission to exploit the Earth
 3. Confronting the neo-Darwinian capitalistic zeitgeist
 4. Lynn Margulis' lifelong quest
 5. Working together (aka: How did she do it all?)
 6. Bacteria run the planet
 7. Symbiosis is the way of life
 8. The cell (not DNA) controls the organism
 9. Evolution through mergers
 10. Gaia: A physiological system on the surface of the Earth
- Epilogue: Embracing how little we know

Programme:

- Welcome and presentation by John Feldman.
- Screening of film
- Post screening Q & A session
- Reception in the museum's foyer



"Symbiotic Science. The legacy of Lynn Margulis" took place on **March 8th** at the Barcelona Athenaeum. The session was coordinated by Carmen Chica and presented by Ricard Faura, Speaker of Science and Technology section, Barcelona Athenaeum.

The Barcelona Athenaeum is an association that is over a hundred and fifty years old. As a centre for intellectual debate, its main objectives are to promote dialogue and intellectual activity. Its headquarters at the former late 18th century Savassona Palace has a cultural agenda open to all citizens with lectures, debates, round tables, concerts, recitals, workshops, film screenings and courses. The Athenaeum also houses the most important private library in Catalonia, with one of the most unique and valuable collections of journals in the country.

The speakers, in an interesting balance of the representation of women in Science and Humanities, were Marta Estrada, a Marine ecologist from the Institute of Sciences of the Sea, CSIC, Barcelona, who gave a lecture entitled "Enjoying a long journey in science". Magdalena Alberó, journalist, historian, writer, professor of Communication at the Autonomous University of Barcelona spoke next. Her speech was entitled "Women; access to knowledge and literature. She reflected on important issues of women in the work force such as the glass ceiling effect and women in literature. Sandra Montón is an archaeologist and ICADE Research Professor at University Pompeu Fabra. She spoke about "The representations of women: past and present" and pointed out interesting subliminal messages that we have been influenced by in society at large that point to the large gap in androcentric history books of the representation and recognition of women's contribution to society.



Dolores Grillo-Bosch, who is a chemist and neuroscientist, and researcher at the University of Barcelona, discussed her research in neuroscience in a lecture entitled “The symbiosis of chemistry and neuroscience”.



At the end of the session’s presentations, a segment of the film, “Symbiotic Earth”, by John Feldman, Hummingbird Films, New York, was shown.

Programme:

- Marta Estrada. Marine ecologist, Institute of Marine Sciences, CSIC, Barcelona
“Enjoying a long journey in science”. 20 minutes
- Magdalena Albero. Journalist, historian, writer. UAB
“Women, access to knowledge and literature”. 20 minutes
- Sandra Montón. Archaeologist, ICREA Research Professor, UPF
“The representations of women: past and present”. 20 minutes
- Dolores Grillo-Bosch. Chemistry, neurosciences. AGAUR, Barcelona
“The symbiosis of chemistry and neuroscience”. 20 minutes

Introduction to the TV film “Symbiotic Earth”. (In English with subtitles in Spanish, 20 minutes.)
Director: John Feldman, Hummingbird Films, New York. Producer: Susan Davies. Music by Sheila Feldman.

Q & A Session

THE AE-BKH WOMEN’S WEEK, 2013-2018

 UN INTERNATIONAL WOMEN'S DAY		 AE-BKH WOMEN'S WEEK	
2013			
March 6th	InterSection Workshop: “Two cultures, three cultures, or one only culture?” Convenor: Nicole Skinner, AE-BKH. With the participation of: Dacha Atienza, Museum of Natural Science of Barcelona, Mercè Berlanga, University of Barcelona, and Genoveva Martí, Catalan Institution for Research and Advanced Studies (ICREA).		
2014			
March 5th	Distinguished lecture: “Arab Spring, or long desolate Arab Winter?” By Nadia El-Awadi, Egypt, former president of the World Federation of Science Journalists.		



March 6 th	InterSection Workshop: “The Earth is our body. Lynn Margulis and Gaia”. Convenor: Carmen Chica, editor of the book <i>Once Upon a Time</i> . With the participation of: Isabel Esteve, Marta Estrada, Ricard Guerrero, Juli Peretó, Mercè Piqueras, Anna Omedes, Carme Puche, Joandomènec Ros and Nicole Skinner.
2015	
March 4 th	InterSection Workshop: “Women and the academic ladder” Convenor: Lynn Kamerlin. With the participation of: Clara Corbella, Margaret Luppino, Maryam Ghafouri, M. Dolors Garcia-Ramon and Lourdes Beneria.
March 5 th	Short film “In the search of truth. In memory of Lynn Margulis”. Convenor: Anna Alberni, (ICREA). Comments by the director of the film: Carme Puche. Distinguished Lecture: “Empowerment of women in the academic world”. By Lynn Kamerlin, University of Uppsala, chair of the Young Academy of Europe (YAE). Music Concert: “Women’s Sephardic Songs”. By Olga Miracle, soprano, accompanied by Noemí M. Agell and Pere Olivé, string and percussion instruments.
March 6 th	Guided visits: Visit to the Museu Blau, the new Natural Science Museum of Barcelona. Guided by Marta Punseti. Visit to the Cercle del Liceu Pinacothèque. Guided by María Jiménez de Parga.
2016	
March 3 rd	Distinguished Lecture: “Women and cultural transmission. The essential role of translation”. By Mary Ann Newman, Farragut Fund for Catalan Culture in the USA. Lecture: “Greater than Life. In remembrance of Lynn Margulis (1938–2011)”. By Ricard Guerrero, Academic Director AE-BKH. Documentaries: <i>“Symbiotic Earth”.</i> Documentary produced for the TV. Directed by John Feldman, Hummingbird Films, New York. <i>“Lin in Spain. How she stood our Spanish-Catalan accent.”</i> Several documentaries selected by Rubén Duro, AE-BKH. Music Concert: “Songs from Syria and Kurdistan, a Nation without a State.” By the Gani Mirzo Band. Musicians: Neila BenBey (singer), Francesc Puig (clarinet), Juan Jose Barreda (flamenco guitar), and Gani Mirzo (ud, buzuk, composer).
March 4 th	InterSection Workshop: “Women, migrations and war”. Convenor: Mitsi Ito. With the participations of: Mitsi Ito, Maryam Ghafouri, Pere Castaño, Carmen Chica, Salvador Giner. Lecture: Commemoration of the International Year of Global Understanding. By Silvia Pellicer, University of Zaragoza. Art exhibits: Digital art: Photomontage by Teresa Gironès: <i>“The Book of Beasts. Palmira 2015. Reflections of the dangers of power and the horrors of war.”</i> Paintings by Trini Sotos: <i>“Women/Dones/Mujeres. Reflections and aesthetics of female emotions.”</i>
2017	
March 1 st – 3 rd	Experts Meetings: “Open Access policy in academic institutions”. Convenors: Ricard Guerrero and Mercè Piqueras. With the participation of Marie Farge, Ignasi Labastida, Ernest Abadal, Lluís Anglada, Michaela Bertero, Regina Revilla, Pastora M. Samper, Jordi Mas and Lluís Rovira.
March 2 nd	Distinguished Lecture: “Scientific knowledge as a commons: How to improve the peer review and dissemination of research outputs”. By Marie Farge, Directrice de Recherche at CNRS and École Normale Supérieure, Paris and Member of the Council. Member of Academia Europaea.
2018	
March 6 th	Concert: “Polorum Regina. Women as a reference for freedom”. By vocalist Lídia Pujol and her ensemble. Presented by Romà Escalas.
March 7 th	Screening of the documentary “Symbiotic Earth: How Lynn Margulis rocked the boat and started a scientific revolution” directed by John Feldman and produced by Susan Davies at Hummingbird Films.
March 8 th	InterSection Workshop: “Symbiotic Science. The legacy of Lynn Margulis”. Coordinated by Carmen Chica and presented by Ricard Faura, Speaker of Science and Technology section, Barcelona Athenaeum. With the participation of: Marta Estrada, Magdalena Albero, Sandra Montón, Dolores Grillo-Bosch. Also featuring an excerpt from the film “Symbiotic Earth” (see above).

2.2 INTERNATIONAL DAY OF LIGHT (16 MAY)

Commemoration of the first UNESCO International Day of Light (IDL)

About the IDL, 2015-2017

On December 20, 2013, the General Assembly of the United Nations proclaimed the year 2015 as the International Year of Light and Light-based Technologies (IYL 2015). The UN commissioned UNESCO to organise and coordinate the activities of the IYL 2015 in 146 different countries. The year 2015 commemorated, among other scientific events, the millennium of the publication of the first optics book, by Ibn al-Haytham, Alhazen [M. Rius-Piniés, *Contrib Sci* 11: 95-102 (2015)].

The Barcelona Knowledge Hub of the Academia Europaea (AE-BKH) collaborated in hosting and organising, along with *Ciência Viva* (the National Agency for Scientific and Technological Culture of Portugal), an International Multidisciplinary Symposium entitled “Light, from the Earth to the stars”, which took place in Lisbon on July 2 and 3, 2015 [R. Duro, *Contrib Sci* 13: 105-108 (2017), in press]. After the success of the activities held in hundreds of scientific societies around the world, in October 2016 UNESCO proposed the future annual celebration of the International Day of Light (IDL). It was agreed that the commemoration would be every May 16, starting in 2018. The date recalls the anniversary of the first laser light emission, obtained by Theodore H. Maiman, using a ruby crystal, at the Hughes Research Laboratories, of Malibu, California, on May 16, 1960.



The 2018 IDL

To commemorate the first IDL, the AE-BKH organised a commemorative act on May 16th, in collaboration with the Catalan Society of Physics, the University of Barcelona, the Autonomous University of Barcelona and the Technical University of Catalonia. This consisted of a series of lectures focusing on the physics, biology and technologies of light, held in the Prat de la Riba Hall of the Institute for Catalan Studies (IEC). The session was coordinated by Ricard Guerrero, AE-BKH, and by Santiago Vallmitjana, Catalan Physics Society (SCF) and the Spanish Committee for IDL.

Programme:

- 18:30 Presentation.
 - Joan Parellada, president of the Catalan Physics Society (SCF, IEC)
 - Ma. Àngels Garcia Bach, SCF
 - Ricard Guerrero, Academic Director, AE-BKH
 - 18:40 Distinguished lecture: “Light, the great tool for science and technology”
Ramon Vilaseca, Technical University of Catalonia (UPC)
 - 19:25 Video: “Numbers and humanity”
Based on the video
“*Los números y la humanidad*”, by Javier Tejada, University of Barcelona (UB)
Presented by Santiago Vallmitjana, SCF and Spanish Committee for IDL
 - 19:30 Distinguished lecture: “Planet Light. Photosynthesis and the origin of the ecosystem”
Ricard Guerrero, AE-BKH
 - 20:15 Social mixing and refreshments
-



2.3 DISPUTATIO OF BARCELONA 2018 (28 NOVEMBER)

An annual activity of the Academia Europaea-Barcelona Knowledge Hub

About the *Disputationes*

In the scholastic system of education of the Middle Ages, the *Disputationes* offered a formalized method of debate designed to uncover and establish truths in theology and in sciences. Fixed rules governed the process: they demanded dependence on traditional written authorities and the thorough understanding of each argument on each side. The famous *Disputatio of Barcelona*, called in the summer of 1263 by King James I of Aragon, was the most important and well-known of the inter-faith *Disputationes* that took place between Christian and Jewish theologians in the late Middle Ages. In 1263, the disputants were Friar Paulus Christianus (Dominican, and a convert rabbi from Judaism) and rabbi Moses ben Nachman (also known as Nachmanides, or Benastruch Sa Porta), from Girona's community, the most important scholar of Judaism in his time. They discussed theological questions in front of the king and his court, in the presence of the most important men of the prosperous and influent city of Barcelona.

The modern-day *Disputatio of Barcelona*, 2013–2017

The modern *Disputatio of Barcelona* has been successfully recovered. In **November 2013**, the AE-BKH celebrated its inaugural event by commemorating the 750th anniversary of the medieval *Disputatio*, and organised a modern-day *Disputatio* on “**Social and state-of-the-art Medicine**”, featuring philosopher **Thomas Pogge** (Yale University; leader of the Health Impact Fund) and neuroscientist **Mara Dierssen** (Centre for Genomic Regulation, UPF, Barcelona; president of the Spanish Society for Neuroscience).

After the success of the first modern-time *Disputatio* of Barcelona (2013), the AE-BKH organised on **November 27, 2014**, a second modern-day *Disputatio of Barcelona*, together with the United Nations University Institute on Globalization, Culture and Mobility (UNU-GCM). The topic was “**The Mediterranean, bridge of cultures**”. The *Disputatio of Barcelona* 2014 was held at the Saint Pau Historic Site, where the UNU-GCM is located. Two MAE, **Maria Paradiso** (geographer, Professor of Geography and Planning at the University of Sannio, Italy), and **Enric Banda** (geophysicist, Director of Science and Environment at the “la Caixa” Foundation, Barcelona), presented many different aspects of the Mediterranean history, culture, opportunities and present difficulties.

On **December 9, 2015** the third modern-day *Disputatio of Barcelona* was held in the Royal Chapel of Sainte Agatha, in the Gothic Quartier. This *Disputatio of Barcelona* 2015, was also a success. Two scholars, **Núria Sebastian** (vice-president of the European Research Council), and **Ulises Cortés** (from the Barcelona Supercomputing Centre), discussed on “**Natural vs Artificial Intelligence**”.

On **November 21, 2016** the fourth modern-day *Disputatio of Barcelona*, was held at the Palau de la Generalitat, under the presidency of the president of the Government of Catalonia, M. Hon. Carles Puigdemont. It was devoted to the topic: “**Natural Life vs. Synthetic Life**”. Two scholars, **Anna Veiga** (Centre for Regenerative Medicine, Barcelona) and **Ricard Solé** (Complex Systems Lab, PRBB, Barcelona), debated on the new challenges that the current scientific advancements present to human societies. The impressive knowledge both *disputantes* allowed them to clearly expose their ideas to the audience. An active debate among the public and the speakers helped to better understand several critical questions previously exposed by the *disputantes*.

On **November 23, 2017**, the fifth modern-day *Disputatio of Barcelona* was held at the Institute for Catalan Studies (IEC) in the Prat de la Riba Hall. The *Disputatio* debated on “**Supercomputers: An instrument for science, technology and the progress of society.**” The two *disputantes* were **Mateo**



Valero, director of the Super Computing Center of Barcelona (BSC), who presented the “science and technology” aspects, and **Alison Kennedy**, director of the STFC Hartree Centre (Daresbury, Warrington, UK), who presented the “progress of the society” aspects.

We consider that the modern-day *Disputationes* are a distinctive feature of the AE-BKH and should be continued in the coming years.

The *Disputatio* of Barcelona 2018

This year, the sixth modern-day *Disputatio* of Barcelona, entitled “**Competition vs. Cooperation: Two economists’ points of view**”, was organised by the Barcelona Knowledge Hub of Academia Europaea and held at the Institute for Catalan Studies (IEC) in Barcelona on November 28th. The session was moderated by Prof. **Salvador Barberà**, Professor Emeritus of Economics at the Autonomous University of Barcelona and featured Prof. **Hervé Moulin**, Donald J. Robertson Chair in Economics at the University of Glasgow, and Prof. **Gabrielle Demange**, Director of Studies at the School of Advanced Studies in the Social Sciences (EHESS) in Paris, as invited *disputantes* (debaters). All three are Members of Academia Europaea, in the Economics, Business & Management Sciences section.

The topic was approached in a multidisciplinary manner and included social and political aspects of cooperation and competition in capitalist economic models, revealing complementary and contrasting facets. As usual, the *Disputatio* was open to the general public and welcomed questions from the audience, leading to an interactive, dynamic colloquium among those in attendance.

DISPUTATIO OF BARCELONA 2018



COMPETITION VS. COOPERATION: TWO ECONOMISTS’ POINT OF VIEW



HERVÉ MOULIN
(UNIVERSITY OF GLASGOW)



GABRIELLE DEMANGE
(EHESS - PARIS)

November 28, 2018
19 h-21 h

Open to public
English (no simultaneous translation)



Institut d'Estudis Catalans
Carrer del Carme, 47
08001 Barcelona

More information:
<http://barcelona.acadeuro.org/>

Partners of the AE-BKH:



Generalitat de Catalunya
Departament d'Empresa i Coneixement
Secretaria d'Universitats i Recerca





Hervé Moulin is Professor of Economics at the University of Glasgow, holding the Donald J Robertson Chair at the Adam Smith Business School. He graduated in 1971 from the Ecole Normale Supérieure in Paris, and received his Ph.D. in mathematics from the Université de Paris in 1975. He is a Fellow of the Econometric Society since 1983, of the Royal Society of Edinburgh since 2015, and of the British Academy since 2018. He is currently the President of the Game Theory Society. He has written five books and over 100 peer-reviewed articles. His work has contributed to redefining the field of ‘normative economics’, by borrowing concepts and techniques from social choice, implementation, and game theories. The goal is to invent new mechanisms –or justify existing ones– in a variety of resource allocation and collective decision problems, such as in: voting by successive veto and generalised median voting rules; the fair division of an estate; rationing of over-demanded commodities; the exploitation of a “commons”, i.e., a technology producing a public good, an excludable public good, or private goods; the assignment of tasks between workers; the scheduling of jobs in a queue; and sharing the cost and pricing the traffic of a communication network.

Gabrielle Demange is Directeur de recherches at l'Ecole des Hautes Etudes en Sciences Sociales (EHESS) and Full Professor at Paris School of Economics. Her main interests are in social choice theory, game theory and market design (multi-item auctions, voting rules, ranking method, coalition formation and networks) and financial economics (intergenerational risk sharing, security design, intermediation). Her works on two-sided matching games and multi-item auctions with David Gale were among the first in a now large field. Her current research studies ranking methods with application to search engines on the Web and explores network models with a special interest to financial networks. Apart from research articles in top journals, she has written three textbooks in Finance and Game Theory. She is a Fellow of the Econometric Society and member of The Academia Europaea, the CEPR and Cesifo networks. She has served as a member of various editorial boards and Scientific Councils.



2.4 CONCERT: BUILDING BRIDGES IN THE MEDITERRANEAN (29 NOVEMBER)

A spectacular concert of Mediterranean music by the Gani Mirzo Band was organised by the AE-BKH at the Royal Academy of Medicine of Catalonia (RAMC) on Thursday, November 29th, followed by a cocktail reception next door at the Institute for Catalan Studies (IEC). With the title, “**Building Bridges in the Mediterranean Region**”, the concert featured songs from Algeria, Armenia and Kurdistan performed by the Gani Mirzo Band.

The programme symbolised the bridges of dialogue and understanding built through music among different cultures in the Mediterranean region. Featuring instruments commonly used on different sides of the Mediterranean Sea, the concert served as an example of the cultural diversity and capacity for mutual understanding that takes places in art, starting with Iranian, Kurdish and Armenian traditions, and ending with Northern African music of Andalusian origin.

As explained by musicologist Romà Escalas during his brief introduction to the concert, musical bridges in the Mediterranean have been built by a common sensitivity and appreciation through contact and exchange taking place for more than 5,000 years. This exchange has easier by sea, more so than by land, which often makes ethnic and cultural barriers difficult to break. Over the 20th century, the contact made between East and West through the Mediterranean Sea was most intense, especially among Arabic, Hispanic and Sephardic cultures, often in spite of political confrontation. For example, in the Andalusian world, which dominated the Iberian Peninsula for 700 years, new instruments and styles were created that reflect a strong influence by Northern Africa and are still found in popular and flamenco music.

Concertgoers, consisting of both delegates attending the Building Bridges 2018 conference (see next section) and also members of the general public, filled Gimbernat Hall at the RAMC. Their endless applause encouraged the band to play multiple encores. The fantastic success of the concert was celebrated afterwards with a hot buffet reception next door at the IEC.

Programme:

1. Miran
2. Sharazade
3. Marfa
4. Sari Gilan (popular Armenian song)
5. Dansa kurda-buleria
6. Sêtelî (Kurish dance)
7. Wek Tireke
8. Tristeza por la ausencia
9. Manish mina (popular Algerian song)
10. Me berya te kirya
11. Sherinê
12. Ronî



The Gani Mirzo Band is formed by: Neila BenBey, traditional Algerian vocals; Juan José Barreda, flamenco guitar; Martín Meléndez, violin and cello; Francesc Puig, clarinet; and Gani Mirzo, compositions, lute, oud and bouzouki. With the collaboration of Armenian vocalist Ibrahim Keivo.



3. FEATURED ACTIVITIES DURING 2018

3.1 FIRST EDITION OF THE BARCELONA HYPATIA EUROPEAN SCIENCE PRIZE

In September, after months of negotiations and preparations, the **Barcelona Hypatia European Science Prize** was finally launched by the Barcelona City Council in collaboration with the Hub of the Barcelona de l'AE (AE-BKH), within the framework of the "Barcelona City of Science" programme, which seeks to project the city as a European capital of research and innovation. The main goal of the Prize is to spotlight science, as well as to promote, support and enhance the value of excellent research conducted in Europe and of its impact on society. The AE-BKH is responsible for organising and managing the prize call.

The purpose of the Barcelona Hypatia European Science Prize, featuring a monetary award of 30,000 euros and a distinguished lecture at a prize ceremony held at the Barcelona City Council in the presence of the Mayor, is to recognise an outstanding researcher who has achieved a career of excellence at the highest international level in Europe and has made a significant contribution toward different fields of knowledge, as well as a positive impact on society.

The name of the prize, Hypatia, was chosen in homage to Hypatia of Alexandria (c. 355-415), a woman philosopher and scientist who successfully bridged and disseminated all scholarly disciplines known during her time and who, for this same reason, was assassinated by the forces of ignorance and fanaticism.

Prize terms and conditions had been approved by the AE-BKH and Barcelona City Council in the summer of 2018. Reflecting the multidisciplinary nature of the prize, the use of the words science, scientist, and researcher in these terms and conditions refer to all areas of human knowledge, from experimental sciences and technology to the various social sciences and humanities. It was agreed that the Hypatia Prize would be awarded annually and would follow a triennial cycle, rotating each year among three major areas of knowledge:

- Science and Technology (2018)
- Life and Health Sciences (2019)
- Humanities and Social Sciences (2020)

Finally, it was also decided that the Selection Jury would consist of five members: two designated by Academia Europaea, two by the Barcelona City Council, and one, who will serve as president of the Jury, appointed jointly by Academia Europaea and by the Barcelona City Council. At least two members of the Jury must be women, and at least one of the Prize winners in each three-year period would also be a woman. The Prize may be declared void by the Jury if deemed necessary.

Opening of the call for candidates

In early September, on its website the AE-BKH announced the Call for Nominations for the first edition (2018) of the Barcelona Hypatia European Science Prize, in the area of Science and Technology, and published the eligibility criteria, nomination procedures and forms on-line.

As announced therein, candidates for the Prize must be nominated by a Member of the Academia Europaea (MAE) (Nominator 1), from any Section, and must have the support of an additional MAE

(Nominator 2), also from any Section. Nominator 1 can propose only one Candidate. The two nominating MAEs must be from different countries. Although nominators must be MAEs, the Candidate does NOT have to be a MAE, nor a native of a European country, but she/he must have developed her/his career mostly in Europe. The deadline set for receiving nominations was set for October 31st at 5:00 p.m.

Press conference



At a press conference held at the Barcelona City Council on Tuesday, September 18th, the launch of the prize was officially presented to the public by: Gerardo Pisarello, Deputy Mayor of Economy and Labour, Digital Technologies and International Relations; Ricard Guerrero, AE-BKH Academic Director; Andreu MasColell, Member of Academia Europaea; and Gemma Tarafa, Commissioner for Health of the Barcelona City Council. Local media shared news of the prize's launch, in addition to AE.

Selection Jury and Resolution

On Monday, November 12th, the Selection Jury met in Barcelona to assess the twenty-three nominations received during the months of September and October.

For this first edition of the Hypatia Prize, corresponding to the area of Science and Technology, the five members comprising the Selection Jury were: Dr. Sierd Cloetingh, Jury President and also President of Academia Europaea; Dr. Ricard Guerrero, Jury Secretary; and Dr. Anna Omedes, Dr. María Josefa Yzuel, and Dr. Ignasi Casanova, Jury Members. Also in attendance, having a voice but not a vote, was Kimberly Katte, Manager of the Barcelona Knowledge Hub of the Academia Europaea.

Having considered the 23 candidates nominated in response to the call and taking into account the evaluation criteria defined in section 6.2 of the prize regulations, terms and conditions, the members of the Selection Jury unanimously agreed to propose, as winner of the 2018 Barcelona Hypatia European Science Prize in the field of Science and Technology, Dr. László Lovász, mathematician and President of the Hungarian Academy of Sciences, for his extensive career and research conducted at the highest international level, which has had an impact on different areas of knowledge and has generated an important social return on investment for Hungarian society.

Publication of the resolution of the Jury, with the approval of the Mayor of Barcelona, took place on November 27, 2018. After this time, the proposed winner was notified. The AE-BKH also contacted nominating MAEs whose candidates were not chosen, to inform them accordingly.

Finally, in late 2018, after the proposed winner communicated his acceptance of the prize, the Barcelona City Council announced that a prize ceremony, presided by the Mayor, Ada Colau, would be held at Barcelona City Council's Main Hall (*Saló de Cent*) in early February 2019, during which the winner would be invited to deliver a distinguished lecture on his research career.



3.2 THE 30TH ANNUAL CONFERENCE OF THE ACADEMIA EUROPAEA: “BUILDING BRIDGES 2018” (28-30 NOVEMBER)

The Barcelona Knowledge Hub (AE-BKH) was pleased to host the **30th Annual Conference of the Academia Europaea (AE) and 7th of the Young Academy of Europe (YAE), “Building Bridges 2018”**, held on the 28th and 29th of November 2018.

The first day of the AE conference, November 28th, took place at the Institute for Catalan Studies (IEC) and consisted of Section/Class Workshops, a meeting of AE Hubs, the Annual Business Meeting and the Welcome to New Members. The YAE, for its part, held its meeting at the nearby Residència d’Investigadors.

The second day, November 29th, took place at CosmoCaixa, in collaboration with La Caixa Banking Foundation, and featured leading scholars from Europe and beyond, in fields ranging from science and technology to the humanities and social sciences, as well as on the current challenges of research and academia as a whole. Speakers included leaders from both AE and YAE and also members who have been recognised with prestigious honours for their work, such as the Balzan Prize, the AE Erasmus Medal and Gold Medal, and the Annual YAE Prize. Furthermore, two sessions explored interdisciplinary research networks in chemistry and earth sciences, respectively, which were funded by COST Actions, an EU programme.

During their stay, Building Bridges conference delegates were also invited to attend the *Disputatio* of Barcelona 2018 debate on November 28th, as well as the concert of Mediterranean music by the Gani Mirzo Band at the Royal Academy of Medicine of Catalonia on November 29th, followed by a farewell cocktail reception at the IEC.



Finally, dozens of delegates participated in the traditional Post-Conference Field Trip on Friday, November 30th, which featured a boat ride on Banyoles Lake, a visit to the nearby lava flows, a traditional Catalan meal and wine and olive oil tasting, a tug-of-war tournament, and a tour of the Medieval and Jewish Quarters of Besalú.

Overall, nearly 210 attended Building Bridges 2018. The AE-BKH was pleased by the high quality of the presentations and of the social activities organised. A post-conference survey confirmed that an overwhelming majority of participants expressed that they were ‘satisfied’ with the organisation



and management of the conference, regarding six different items: duration; registration process; hotels; venues; concert and buffet dinner; and field trip.

Building Bridges 2018



Following the conference, photos were uploaded onto the gallery located on the AE-BKH (<http://barcelona.acadeuro.org/>) and Building Bridges (<http://www.buildingbridges-acadeuro.org/>) websites.

Given the success of Building Bridges 2018, it was decided that the following year's annual conference, Building Bridges 2019, would again be held in Barcelona. The AE-BKH is already making preparations for this event, with the hope that it will be even more successful than the previous edition.

Programme:

November 27 (Tuesday)

Pre-congress meetings. (For the Boards of the AE and the YAE)

Afternoon, at the Institute for Catalan Studies

- Meeting of the Board of Trustees of the AE
- Meeting of the Board of the Young Academy of Europe

Evening, at the City Hall (pl. Sant Jaume)

- Reception of the Board of Trustees of the AE and the Board of the YAE by the Mayor of Barcelona, Ada Colau. (*Confirmation pending*)

November 28 (Wednesday)

BUILDING BRIDGES 2018. ANNUAL CONGRESS OF THE ACADEMIA EUROPAEA AND THE YOUNG ACADEMY OF EUROPE AND *DISPUTATIO* OF BARCELONA

Pre-congress meetings

At the Institute for Catalan Studies (IEC, c/Carme 47) and the National Council for Research (CSIC) Residence (c/Hospital 64)

Morning (at the IEC)

09.00 h-18.00 h. Documents delivery

10.00 h -14.00 h. Meetings of the four Section Classes of AE. At the IEC

- General coordinator: **Alexander Fidora** (ICREA-UAB)
- Coordinators of each Session: **Vladimir Biti, Björn Wittrock, Donald Dingwell, Alexei Verkhatsky**

09.00 h-16.00 h. Meetings of the YAE. At the CSIC Residence

Afternoon (at the IEC):

1st part

15.00 h-18.00 h (for members of the AE, and from 16.30 h on also members of the YAE)

- General Assembly of the AE
- Delivering of Diplomas to the new Members of the AE and the YAE

2nd part

19.00 h-21.00 h (open to the general public):



November 29 (Thursday)

BUILDING BRIDGES 2018 (at CosmoCaixa)

For the participants in the Congress and previously registered people from Barcelona.

Morning:

09.00 h. Buses to CosmoCaixa

- Documents delivery (*cont.*)

10.00 h-13.00 h

- Welcome to CosmoCaixa
 - **Angel Font**, Corporate Director of Research and Strategy, “la Caixa” Banking Foundation
- Official opening of the Annual Congress of the AE and the YAE:
 - **Sierd Cloetingh**, President of AE, President of COST Action
 - **Ricard Guerrero**, Academic Director of the Barcelona Hub
 - **Marcel Swart**, Chair of the YAE
- The 2018 AE-Heinz-Nixdorf ERASMUS Medal and Laudatio:
 - **Hans Clevers**, “Stem cell-based organoids in personalised medicine”
 - **Jos van der Meer**, Laudator
- Balzan Lecture #1: **Carlo Ginzburg**, “Disciplines, Serendipity, case studies”
- Balzan Lecture #2: **Michaël Gillon**, “Life under another Sun: from science-fiction to science”
- COST Lecture #1: **Marcel Swart**, “Spinning from north to south: a collaborative COST approach in transition-metal chemistry”

13.00 h-14.15 h. Lunch

Afternoon:

14.30 h-15.00 h

- AE Gold Medal Presentation and talk by **Joerg Hacker**, president of Leopoldina

15.00 h-17.45 h

- COST Lecture #2: **Angelo Camerlenghi**, “Uncovering the Mediterranean salt giant (MEDSALT)—a COST Action as an incubator of cross-disciplinary research in Earth Sciences”
- YAE Prize and Laudatio: Gabi Lombardo, “Encouraging a strong SSH scientific community to serve society’s wellbeing”
- YAE Session Talk #1: **Sarah de Rijcke**, “Metrics and science”
- YAE Session Talk #2: **Anna Marmodoro**, “Time after change”
- Closure and Welcome Reception for new Members

18.00 h. Buses to RAMC-IEC



November 30 (Friday). Post-congress field trip

A tradition at the AE Congresses; limited to 50 people

All day; from 8.00 h until 19.00 h

Excursion on geology and history to the karstic area of Banyoles and the medieval quarters of Besalú and its Jewish Call

- Bus to Banyoles (36 participants)
 - Karstic area of Banyoles Lake (the *Estany*). Excursion in ecological boat around the lake
 - The high geological, limnological and ethnographic interest of the lake and its area
 - Volcanic lava flows of Castellfollit de la Roca
 - Typical Catalan lunch (with tasting of oils and wines)
 - The “tug-of-war” game contest among (brave) participants.
 - Visit to the Medieval quarter and Jewish quarter (“Call”) of Besalú.
 - Bus to Barcelona
-



4. OTHER ACTIVITIES DURING 2018

(Organisation of Activities and Collaborations in chronological order)

4.1 COLLABORATION ON THE 20TH INTERNATIONAL CONFERENCE ON THE HISTORY OF CATALAN MEDICINE (8-10 JUNE)

Featuring two keynote lectures, three round tables, twenty poster presentations and more than sixty oral communications, the **20th International Conference on the History of Catalan Medicine**, organised by the University of Vic-University of Central Catalonia in collaboration with the AE-BKH, was held in Vic from June 8th-10th. Many aspects of historical interest of the evolution of medicine in Catalonia were presented by local experts.

4.2 CO-ORGANISATION OF WORKSHOP ON OPEN SCIENCE (20 JUNE)

On June 20th, the AE-BKH co-organised a one-day **Workshop on Open Science** with the company Scientific Knowledge Services, with the Association of European Research Libraries (LIBER) and UCL Press as partners, at the Institute for Catalan Studies (IEC). Open to the academic community, the sessions focused on the topics of FAIR data and open access, the concept of citizen science, and the role of open science in triggering cultural change, with special attention given to the role of libraries. AE-BKH Academic Director Ricard Guerrero contributed with a presentation entitled, “**Initiatives of the AE-Barcelona Knowledge Hub on behalf of Open Science. The first five years (2013-2017)**”. Finally, attitudes and agendas across different European countries were compared.

4.3 COLLABORATION ON THE CONFERENCE, “PLUMBUM LITTERATUM. LEAD INSCRIPTIONS IN ROMAN TIMES” (5-7 SEPTEMBER)

The **VIII Instrumenta Inscripta Conference**, co-organised by Marc Mayer, Member of Academia Europaea, in collaboration with the AE-BKH, took place at the Institute for Catalan Studies (IEC) in Barcelona from September 5th to the 7th and presented novel findings in the area of *instrumentum inscriptum*, or inscriptions on commonly-used receptacles from classical antiquity.



This particular branch of Greek and Latin epigraphy provides insight into aspects of everyday life that are not reflected in stone or bronze inscriptions but rather in the inscriptions on, for example, ceramic receptacles, such as vases, amphorae, etc. The conference featured thirty-four oral communications and fourteen posters by leading international experts on lead inscriptions from Roman times.

4.4 COLLABORATION ON THE 19TH CONGRESS OF THE EUROPEAN ASSOCIATION OF MUSEUMS OF THE HISTORY OF MEDICINE, “BEYOND THE MUSEUM WALLS: MEDICAL COLLECTIONS AND MEDICAL MUSEUMS IN THE 21ST CENTURY” (19-22 SEPTEMBER)

With the title, ‘**Beyond the museum walls: Medical Collections and Medical Museums in the 21st Century**’, the 19th European Association of Museums of the History of Medical Sciences biennial Congress took place in Barcelona from September 19th to the 22nd and was jointly hosted by the Medical History Museum in Catalonia, the Catalan Society for the History of Science and Technology (IEC), the Spanish Research Council (IMF), the Royal Academy of Medicine in Catalonia and the Sant Pau Art Nouveau Hospital site, in collaboration with the AE-BKH.



EAMHMS – Congress 2018 – Barcelona

- Beyond the Museum Walls. Medical Collections and Medical Museums in the 21st Century -

4.5 CO-ORGANISATION OF THE BOARD MEETING OF COSCE (CONFEDERATION OF THE SCIENTIFIC SOCIETIES OF SPAIN) IN BARCELONA (10 OCTOBER)

The **Board Meeting of the Confederation of Scientific Societies of Spain (COSCE)** was hosted by the AE-BKH on October 10th at the. A federation of 82 Spanish scientific societies, and 45.000 members, COSCE contributes to the scientific and technological development of Spain, acting as a single voice both in society and before public agencies by promoting the role of science and contributing to its dissemination as a necessary and essential ingredient of culture.

During this meeting, Board members discussed important collaborative agreements with organisations including the Areces Foundation, the Federation of Spanish Medical and Scientific Associations (FACME) -in particular, for the development of the “Science Meets Business” initiative- and the Network of Overseas Associations of Spanish Researchers and Scientists (RAICEX). They also advanced work on ongoing projects, such as the DECIDES project, a series of debates on science and socioeconomic development in the Spanish information society, and the ACIERTAS project, an educational initiative aimed at primary and secondary school teachers that promotes scientific learning through probing. Administrative matters, including relations with the Spanish Ministry of Science, were also addressed.

4.6 CO-ORGANISATION OF THE 11TH FERNANDO GONZÁLEZ BERNÁLDEZ LECTURE (17 OCTOBER)

Prof. José Manuel Naredo delivered the prestigious **11th Fernando González Bernáldez Lecture** at the historic *Residencia de Estudiantes* in Madrid, with the title, “La economía en evolución y la evolución de un economista” (“An economy in evolution and the evolution of an economist”). This activity, organised by the Fernando González Bernáldez InterUniversity Foundation for Natural Spaces in collaboration with the Academia Europaea-Barcelona Knowledge Hub (AE-BKH), EURO-PARC-España and three local universities, fulfils the foundation’s mission of maintaining the legacy of Spanish ecologist Fernando González Bernáldez. The Fernando González Bernáldez Foundation is devoted to promoting and disseminating scientific research in the fields of ecology, biodiversity and nature conservation.

During his lecture, Prof. José Manuel Naredo, a leading economist at the Universidad Complutense de Madrid and a recipient of Spain’s National Environmental Award and of the GeoCritica International Award, offered a review of his extraordinary career and insight into his environmentally-driven economic theories, which have often been subject to criticism by certain political, commercial and academic establishments, or simply ignored. He was presented by Prof. Óscar Carpintero of the University de Valladolid. The lecture, held at the historic *Residencia de Estudiantes* (Residence for Researchers) of the Spanish National Research Council (CSIC) in Madrid, a hub of scientific and cultural exchange that in 2015 was awarded the European Union’s European Heritage Label. It was well-received by both scholars and members of the general public in attendance.

Prof. José Manuel Naredo and Prof. Ricard Guerrero, in front of the Residencia de Estudiantes in Madrid, on the occasion of the 11th Fernando González Bernáldez Lecture





5. ANNEXES

ANNEX 1: YOUNG ACADEMY OF EUROPE – HIGHLIGHTS FROM 2018 ANNUAL REPORT

As explained at the beginning of this report, the **Young Academy of Europe (YAE)**, a bottom-up initiative of active young and outstanding scholars working in Europe, provides input and advice for science policy from a younger generation's perspective, for the prospering of science in Europe for future generations.

Activities in 2018

The YAE collaborates with European National Young Academies (ENYAs) and the Global Young Academy (GYA), and meets annually with them, as took place in Amsterdam in March 2018. The YAE has also co-organised events together with ENYAs such as the German Young Academy (October 2018), and it has held recent discussions of the YAE Chair with the Royal Society (June 2017, January 2018) and with the British Academy and the GYA regarding the founding of a British Young Academy.

In 2018, the YAE took on the role as portal to the ENYAs and GYA for new SAPEA topics and calls for experts to serve on SAPEA Working Groups by Academia Europaea (AE). These calls were sent to all ENYAs and to GYA, and subsequent nominations transferred to AE. The AE informed all nominees (and nominators) of the selection outcome individually. Furthermore, in subsequent mailings about new calls, anonymised reports were included to the ENYAs and GYA.

Major events in 2018

- Scientific symposium "Tracking Life", with De Junge Akademie (10/2018, Aachen, Germany).
- Former YAE Chair, Nicole Grobert, joined Group of Chief Scientific Advisors to the EC.
- Member survey initiated, commentary in Nature Career Column in preparation.
- Restructuring of the Board, regular online calls and 2x yearly face-to-face meetings.
- "Brexit? Stay connected, join the YAE" campaign.
- Letter to UK and EU politicians for arguments against Brexit.
- ENYA and GYA meeting in Amsterdam (03/2018).
- Meeting with Royal Society for Young Researchers in UK (01/2018).
- Portal to ENYAs and GYA for SAPEA topics.
- Administrative support from AE Hubs set-up.
- Statement on FP9 by YAE.
- Statement on FP9 with HERA and ALLEA.
- Statement on FP9 with Initiative for Science in Europe (ISE).
- Statement on Plan S with EuroDoc and Marie Curie Alumni Association.



ANNEX 2: SOCIAL NETWORKING: WEBSITE, SOCIAL MEDIA, AND AUDIOVISUAL COMMUNICATIONS

During 2018, the Barcelona Knowledge Hub of the Academia Europaea (AE-BKH) remained very active in promoting and sharing news of its various activities using several different communications tools, mostly on-line. As in the past, scientific communications specialist Rubén Duro continued to serve the Hub as webmaster and manager of digital content, social media, and audiovisual communications. Highlights from 2018 in these areas include:

Updates on the website

A new page entitled “**Building Bridges**” was added to the AE-BKH website: <http://barcelona.acadeuro.org/> The contents of this new page relate to the Building Bridges conference, and the page is linked to the new website specifically devoted to that conference.

Another new page entitled “**Hypatia Prize**” was also added to the AE-BKH website. The contents of this new page pertain to the Barcelona Hypatia European Science Prize organised by the AE-BKH and the Barcelona City Council.

In addition, new photo galleries were added to the “Barcelona in Action” page (see below) with a selection of photos related to the different activities organised by the AE-BKH during the year 2018.

New website managed

Separate from the AE-BKH website, a new website was created specifically for the AE conference (“Building Bridges”): <http://www.buildingbridges-acadeuro.org>. It is simultaneously managed by the outsourced company Manners (professional conference organiser) and the AE-BKH team.

AE-BKH “Barcelona in Action” video channel

The AE-BKH “Barcelona in Action” video channel, running on the YouTube and Vimeo platforms, features videos about the activities organised by the AE-BKH, as well as videos from other institutions related to the Academia Europaea.



During 2018, two new videos were added to the channel, for a total of **23 videos**, most of them on the Vimeo platform, which received **181 views** in the first 10 days.

Latest videos on the AE-BKH “Barcelona in Action” channel

The video **International Day of Light 2018 (AE-BKH) Summary**, (20:44), is an abstract of the distinguished lectures given by Prof. Ramon Vilaseca (Catalan Physics Society) and Prof. Ricard Guerrero (Academia Europaea-Barcelona Knowledge Hub) at the Institute for Catalan Studies (IEC) on 16 May, during the commemoration of the UNESCO International Day of Light 2018.

The video **AE-Women’s Week 2018**, (06:10), is an abstract of the three events organised by the AE-BKH during Women’s Week 2018 on March 6th, 7th and 8th, at the Institute for Catalan Studies, the MHNH (Museu Blau) and the Barcelona Athenaeum, respectively.



WEBSITES MANAGED BY THE AE-BKH TEAM

The AE-BKH office communicates information about its various activities through the barcelona.acadeuro.org and buildingbridges-acadeuro.org websites.

AE-BKH Website

The screenshot shows the homepage of the Academia Europaea Barcelona Knowledge Hub website. The header includes the site name, navigation menu (HOME, ABOUT US, HYPIA PRIZE, BUILDING BRIDGES, DIPLOMATE OF BARCELONA, WOMEN'S WEEK, BARCELONA IN ACTION, CONTACT US), and social media icons. A large banner image of a classical building interior is followed by a welcome message: "Welcome to the Barcelona Knowledge Hub, the Southern European and Mediterranean Office of the Academia Europaea. Our goal is to contribute to the consolidation of a genuine European area of research, education and innovation."

The main content area features a section for "AE-BKH WOMEN'S WEEK 2019" with the theme "Woman, science and culture: a symbiotic connection". It includes a photo gallery link and more information. Below this, there are two news items:

- NEWS:** Hungarian mathematician László Lovász receives the Barcelona Hypatia European Science Prize. The article mentions that Dr. László Lovász received the prize from the hands of the Mayor of Barcelona, Ada Colau.
- BUILDING BRIDGES 2018:** The Barcelona Knowledge Hub (AE-BKH) hosted the 30th Annual Conference of the Academia Europaea (AE) and 7th of the Young Academy of Europe (YAE), "Building Bridges 2018", held on the 28th and 29th of November 2018. The first day consisted of Section/Class Workshops, a meeting of AE Hubs, the Annual Business Meeting and the Welcome to New Members. The second day featured a multidisciplinary Scientific Dissemination Event, a debate on the current challenges of research and academia, and a concert of Mediterranean music.

At the bottom of the page, there is a contact section for Rubén Duró, the webmaster and social communication manager, with the email communication@acadeuro.org. The page was updated on March 11, 2019, at 13:20 h.

The total number of visitors to the **AE-BKH website** during 2018 was 21,139, and the number of page views during the same period was 122,014. During the 4th quarter of 2018, the number of visitors to the AE-BKH website was 6,188, and the number of page views was 35,302.

Building Bridges Website

Academia Europaea- Barcelona Knowledge Hub


Building Bridges 2018



AE-Barcelona Knowledge Hub

Welcome Programme Registration Location and venue Useful information Contact us

BUILDING BRIDGES 2019



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The Barcelona Knowledge Hub (AE-BKH) was pleased to host the 30th Annual Conference of the Academia Europaea (AE) and 7th of the Young Academy of Europe (YAE), "**Building Bridges 2018**", held on the 28th and 29th of November 2018.

We invite you to view images of the event here: <http://barcelona.acadeuro.org/bkhaction/gallery/ae-building-bridges-2018-barcelona/>



Partners of the AE-BKH

Generalitat de Catalunya
Departament d'Empresa i Coneixement
Secretaria d'Universitats i Recerca



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The **Building Bridges website** was created in July 2018 to offer communicate information regarding the Building Bridges 2018 conference (programme, venues, etc.) and to manage registration, so it was active only for six months during the year.

The total number of visitors to the Building Bridges website during 2018 was 1,320, and the number of page views during the same period was 5,786. During the 4th quarter of 2018, the number of visitors to the Building Bridges website was 986 and the number of page views was 3,966.

SOCIAL MEDIA ACCOUNTS MANAGED BY THE AE-BKH TEAM

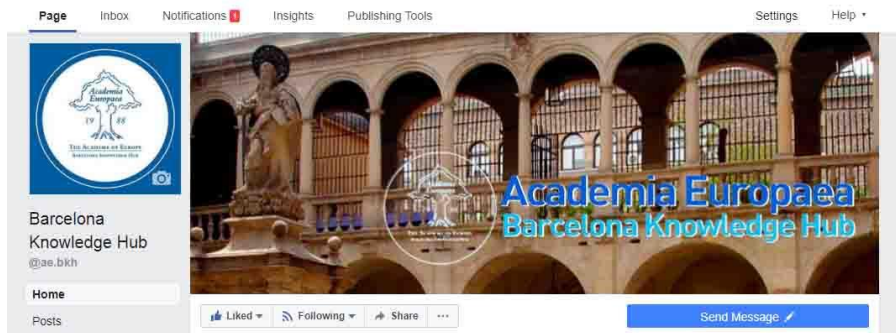
The AE-BKH office also communicates information about its various activities through social media accounts on the **Facebook**, **Twitter** and **Instagram** platforms.



FACEBOOK

The AE-BKH manages two Facebook profiles: the first (<https://www.facebook.com/ae.bkh/>) is devoted to general hub activities, while the second (<https://www.facebook.com/DisputatioBarcelona/>) is devoted exclusively to the *Disputatio of Barcelona*, one of the main annual activities.

AE-BKH Profile



During 2018, the AE-BKH Facebook profile gained 32 followers, reaching a total of 215. Over the year, the AE-BKH created 32 posts using its Facebook profile, most of them related to the activities of the hub, both past and future. Also during this period, the AE-BKH created 2 events using its Facebook profile that reached 131 people and generated 25 responses. Without a directed follow-up with individuals, it is difficult to know how many of these 25 people actually attended the event.

Disputatio of Barcelona (DoB) Profile



During 2018, the DoB Facebook profile reached a total of 43 followers. Over the course of the year, the AE-BKH posted 4 posts on its DoB Facebook profile, all of which were related to the *Disputatio of Barcelona*. This FB profile is inactive during most of the year, taking into account that the *Disputatio of Barcelona* is held once a year during the month of November.



The AE-BKH considers that maintaining and managing these two Facebook profiles is worthwhile, as followers can then share and comment on the posted information using their own personal Facebook profiles, thereby improving the visibility of the information among new networks of personal contacts.



TWITTER

During 2018, through its Twitter account, the AE-BKH posted **26 original tweets** (retweets not included), most of them with photographs to make them more attractive.

The results of this activity on Twitter were impressive: **35,987 responses** to tweets, **3,247 visits** to the AE-BKH account, and **59 mentions** on Twitter. All of these features helped the AE-BKH to gain visibility and improved access to people with a potential interest in our activities.

It is interesting to observe that November and March are the most active months of the year for our Twitter account, corresponding respectively to the two main annual activities of the AE-BKH: Women's Week (March) and the *Disputatio of Barcelona* (November).

INSTAGRAM

The Instagram account of the AE-BKH has been less active than the other social media networks during 2018, as many of its academic activities were less suited to the visual/photographic intensity of Instagram, which, over time, had resulted in a smaller number of posts and followers. To improve the positioning of the AE-BKH on Instagram is one of the goals for 2019.

AUDIOVISUAL COMMUNICATIONS

Finally, in addition to the "Barcelona in Action" video channel mentioned earlier, where the AE-BKH shares videos of its activities, on October 16, 2018, the AE-BKH was featured on the Spanish TV programme "La aventura del saber" (Spanish Radio and Television Corporation, channel 2).

This Spanish-language video explains how the AE-BKH promotes the consolidation of a genuine European area of innovation, research, and education, adopting a multidisciplinary perspective that encompasses the arts and sciences and disseminating knowledge not just among the academic community but also the general public. The programme helped increase awareness among Spanish audiences of the important task carried out by the AE-BKH to disseminate scientific knowledge generated by Members of AE and the academic community at large. Available on-line at <http://www.rtve.es/alicarta/videos/la-aventura-del-saber/aventura-del-saber-academia-europeae/4793457/>



ANNEX 3: PARTNERS OF THE AE-BKH

In 2012, the Government of Catalonia, the Barcelona City Council and the “la Caixa” Banking Foundation decided to become partners of the Barcelona Knowledge Hub of the Academia Europaea (AE-BKH), which was launched the following year.

Since then, the aforementioned institutions have acted as the main sponsors and promoters of the AE-BKH, in order to consolidate Barcelona as a hub of science and innovation in southern Europe and the Mediterranean region. Their continued support also helps provide the AE-BKH with the stability needed to undertake new activities and to plan for future growth and expansion. The AE-BKH wishes to express its heartfelt gratitude to its partners.

PARTNERS of the AE-BKH:



For more information:



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ACADEMIA EUROPAEA
BERGEN KNOWLEDGE HUB

ANNUAL REPORT

2018

PROMOTING **RESEARCH EXCELLENCE**
FOR **POLICY** AND **PROGRESS**

ANNUAL REPORT 2018

INTRODUCTION

By Professor Eystein Jansen, Dept. of Earth Science, University of Bergen
Academic Director, Academia Europaea Bergen Knowledge Hub



Welcome to our Annual Report 2018, highlighting our achievements in meeting the priorities set for the first operating year of the restructured Academia Europaea Bergen Knowledge Hub.

Academia Europaea, which was founded in 1988, is an international, non-governmental association of individual scientists and scholars from all disciplines, who are experts and leaders in their own subject areas as recognized by their peers. Academia Europaea is a non-for-profit company limited by guarantee and a registered charity. Since 2012, The Young Academy of Europe (YAE) has been affiliated to the Academia Europaea.

One of the principles underlying the foundation of the Academia was the perceived need for impartial expert independent advice to public and private bodies. The Academia considers that with a membership of 3500 eminent scientists and scholars from many disciplines and cultures, it is able to comment independently of any national or organizational viewpoint and is well placed to offer advice on scientific or academic matters to appropriate bodies in Europe.

Academia Europaea operates through a network of five regional knowledge hubs in Barcelona, Cardiff, Wroclaw, Bergen, and the latest, Tbilisi. Our own Hub, hosted by the University of Bergen, first joined the network in 2014.

The history of Academia Europaea Bergen Knowledge Hub 2014 – 2018

Academia Europaea Bergen Knowledge Hub was established in 2014 to foster scientific knowledge and research. In June 2016, as a continuation, a collaboration agreement was signed between Academia Europaea and the University of Bergen. In 2018 the Hub was restructured with a new academic director and administrative staff anchored at the Division of Research Administration at the University of Bergen.

In March 2018 the Hub was visited by Academia Europaea president Sierd Cloetingh, Executive Secretary David Coates and Advisory Board member Svend Erik Larsen during which the status and tentative plans for the Hub were presented and discussed. The meeting agreed on developing the Hub according to the tentative plans, and to establish two bodies to support the Hub, an international Advisory Board and a regional Steering Group.

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The current agreement between Academia Europaea and the University of Bergen states that the Academic Director, the Advisory Board and the Steering Group shall ensure a strategic direction, and activities in line with Academia Europaea's purpose and intentions that are stated in the framework agreement between Academia Europaea and the University of Bergen.

As 2018 was the first operative year of the restructured Hub, the Hub management set itself four main objectives to accomplish during its first year of operation. Firstly, to initiate planning and strategy discussions. Secondly, to appoint a regional Steering Group and Advisory Board consisting of Academia Europaea and YAE members from the Nordic and Baltic regions. Thirdly, to plan new Hub events for 2018. Lastly, to develop a new website for the Hub.

Sound progress was made in all of these areas, as we will describe further in the report.

In 2018 we set the Hub on foot for active years to come and several activities and events will follow suit in 2019.

ACHIEVEMENTS IN 2018

Our achievements are set out in the context of four priorities during the first operating year of the restructured Academia Europaea Bergen Knowledge Hub.

1. Strategy

The main activities of the Bergen Knowledge Hub will be amongst others; to act as Academia Europaea's branch in the Nordic, Northeastern, Baltic and Arctic regions, fostering scientific knowledge and research and especially, but not exclusively, develop and run activities focusing upon the Northern Seas, Northern Europe and the Arctic Region.

Academia Europaea Bergen Knowledge Hub aims to:

- Become a platform to develop science advice on marine, maritime, polar affairs, and energy and environmental issues, with emphasis on the 17 UN Sustainable Development Goals.
- Provide knowledge and ideas that connect research and scholarship with policymaking.
- Establish activities in support of science advice, whereby independent academic insights are used to help develop policies both in Europe and in Norway.
- Engage with the public and society to promote the best research from the region, and for the region.

Science Advice

- The Hub will engage in, and support science advice in the Nordic and Baltic countries and on the European level, through SAPEA and through linking with activities of National Academies.

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- The Hub aims to engage in networks on the Nordic-Baltic scale, including the Nordic Council of Ministers.
- The Hub aims to be central in linking Nordic Academic networks to Chinese networks and bodies, in particular with respect to the 3-Poles (Arctic-Antarctic-Tibetan Plateau) initiative.
- The Hub aims to be a continuing partner with SDG Bergen and the annual SDG conference.

Meeting series

The Hub will develop meeting series and annual high-profile events where academic knowledge meets key societal needs and debates.

Regional networking

The Hub aims to be a partner with regional research environments, municipal and regional governments and the regional private sector, with special emphasis on Energy and Marine/Maritime affairs.

2. Governance

On January 4th, 2019 a regional Steering Group was constituted, and an Advisory Board consisting of Academia Europaea and YAE members from the Nordic and Baltic regions was constituted on January 17th, 2019. The Steering Group will meet twice per year, and the Advisory Board will meet annually.

Advisory Board

- Dag Rune Olsen; MAE, Chair, Rector, Professor, Univ. of Bergen, Norway (Medical physics)
- Erland Källén; MAE, Professor, University of Stockholm, Sweden (Meteorology/Climate research)
- Marja Makarow; MAE, Professor, Biocenter Finland, Finland (Molecular cell biology)
- Svend Erik Larsen; MAE, Professor, Aarhus University, Denmark (Comparative literature)
- Jüri Allik; MAE, Univ. of Tartu, Estonia (Psychology)
- Ole Arve Misund; MAE, Professor, Director, Norwegian Polar Institute, Tromsø (Marine and fisheries biology)
- Martin Fernø; MYAE, Professor, University of Bergen (Physics)

Steering Group

- Kjersti Fløttum; MAE, Univ. Bergen (Linguistics)
- Petter Bjørstad; MAE, Univ. Bergen (Informatics)
- Dieter Roerich; MAE, Univ. Bergen (Physics)
- Marit Warncke, CEO Bergen Chamber of Commerce and Industry
- Svein Sundby, MAE, Professor, Institute for Marine Research, Bergen (Oceanography)
- Anne Gro Salvanes, MAE, Professor, Univ. of Bergen (Marine biology)
- Dag Aksnes; MAE, Professor, Univ. of Bergen (Marine biology)
- Bjarne Robberstad; Professor Univ. of Bergen (Health sciences)
- Sigrid Eskeland Schütz; Professor Univ. of Bergen (Law)
- Matthias Kaiser; Professor, Univ. of Bergen (Philosophy of science)
- Stein Kuhnle; MAE, Professor, Univ. of Bergen (Political science)
- Jessica Jewell; Research scholar/Assoc. prof., IIASA/Univ. of Bergen (Energy and Political science)

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3. Bergen Knowledge Hub activities in 2018

The Hub held its first public debate in June 2018 with Professor and author Dag O Hessen from the University of Oslo, and Rector Dag Rune Olsen as speakers, where the role of Universities in providing Science Advice was discussed. The event, “Decision making in a post-factual time”, held at the Bergen Literature House, was well attended, primarily by participants from academic institutions in the region.



In October 2018 the Hub co-organized an “Ocean Roundtable Discussion” together with the marine and maritime industry clusters in the Bergen region and industry clusters in Europe. The meeting comprised heads of units in DG RTD and DG Mare, as well as key representatives from the EU Parliament. Representatives from the Academic Community in several countries, JPI Oceans, the European Marine Board and Norwegian institutions (Embassy, Research Council and Innovation Norway), were also present. The focus of the roundtable discussion was on the Ocean elements of Horizon Europe and the integration of academic research and industry networks in preparation of Horizon Europe, with emphasis on an Ocean Mission and a potential Ocean KIC.



In November 2018, the Hub cohosted a seminar with the Norwegian Academy of Technological Sciences held at UiB with the title: “New Technology changes media; Fake news. Front page controlled by algorithms. Robot journalists. Artificial intelligence and voice control”. Gard Steiro, director and editor of Norway’s most read newspaper “Verdens Gang (VG)”, was invited to speak about how media will meet the future.

Bergen Knowledge Hub also initiated and led a joint meeting of the AE Hubs (Barcelona, Cardiff, Wroclav) and the Graz information center, in conjunction with the AE Annual meeting in Barcelona in November 2018. The purpose was to get the Hub administrations acquainted with each other and to learn from the experiences of the various hubs.

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4. Website

A new website for the Hub was launched in March 2018 at: <https://aebergen.w.uib.no/>

More information about the Bergen Knowledge Hub

Hub Resources

The University of Bergen sponsors the running of the Bergen Knowledge Hub, including personnel, appropriate spaces and service, and necessary funds and services for its operation and functioning, and is committed to facilitate the daily operation.

Staff

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UNIVERSITY OF BERGEN

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ACADEMIA EUROPAEA
CARDIFF KNOWLEDGE HUB

Annex 5

ANNUAL REPORT

2018

PROMOTING **RESEARCH EXCELLENCE**
FOR **POLICY AND PROGRESS**

INTRODUCTION

By Professor Ole Petersen CBE FMedSci FLSW MAE ML FRS
 Academic Director, *Academia Europaea Cardiff Knowledge Hub*



Welcome to our Annual Report 2018, highlighting our latest achievements in meeting the priorities set out in our Strategic Plan 2016-2019.

Founded in 1988 and marking our 30th anniversary in 2018, Academia Europaea is a non-governmental association. Our members are leading scientists and scholars who collectively promote research, learning and education. We now have almost 4000 members, including over 70 Nobel laureates. Academia Europaea operates through a network of regional knowledge hubs in Barcelona, Bergen, Wroclaw, and the latest, Tbilisi. Our own hub, hosted at Cardiff University, joined the network in 2016.

In 2018, the Hub set itself five major objectives for our third year of operation. Firstly, to build on and maximise our impact in the European-funded SAPEA project and to apply our skills and experience in science for policy more widely. Secondly, to continue to build our website presence and to engage effectively through other channels of communication, including social media. Thirdly, to run a successful programme of Hub events, in partnership with other organisations. Fourthly, to attract a wider range of stakeholders to our events, for example, other universities and government in Wales. Lastly, we aimed to develop relationships within Cardiff University, with a view to partnering in new project consortia.

Sound progress was made in all of these areas, as we describe in this report. In the SAPEA project, we led the coordination of a new topic, *Making Sense of Science*, building on our successful experience with the first evidence review led by us, *Food from the Oceans*. We have applied our experience in science for policy more widely, partnering with Swansea University to run a very successful event in September, resulting in a comprehensive published report.

On a personal note, I was delighted to see so many colleagues and friends at the *Physiology and Pathophysiology 2018* event in March, and at the Academia Europaea 30th Anniversary hosted at the Royal Society in September. I would like to thank Sir John Skehel for his very active engagement as Chair of the Hub Steering Group. My thanks also to President and Vice-Chancellor of Cardiff University, Professor Colin Riordan, for his great support.

Professor Ole H. Petersen

HIGHLIGHTS IN 2018



Lead coordination of the *Making Sense of Science* evidence review for the European Commission Group of Chief Scientific Advisors, as part of the European Scientific Advice Mechanism (SAM)



An expert panel debate, *Science for policy: a European perspective*, hosted at Swansea University's exciting new Bay Campus



A major international symposium, *Physiology and Pathophysiology 2018*, with 90 delegates travelling to Cardiff from across the world to mark the 75th birthday of Professor Ole Petersen, the Hub's Academic Director



A key organising role for Academia Europaea's 30th anniversary celebration at the Royal Society in London

ACHIEVEMENTS IN 2018

Our achievements are set out in the context of the five priorities in the Strategic Plan 2016-2019.

PRIORITY 1:

Establish a major role in supporting policymaking in Europe

The Hub led coordination of a new evidence review, *Making sense of science under conditions of complexity, uncertainty and ambiguity*. Due for publication in mid-2019, this initiative of the European Commission Group of Chief Scientific Advisors (GCSA) addresses policymakers using scientific advice. The Hub has been involved actively in all phases of the work.



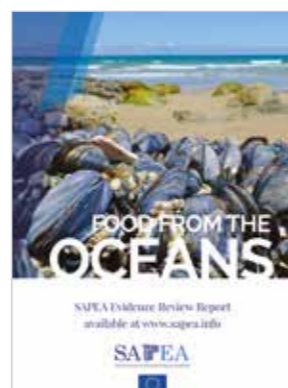
In June, Professor Ole Petersen and Louise Edwards participated in a scoping workshop with topic experts, hosted at the European Commission in Brussels. The Hub then coordinated nominations and the selection of an expert working group, which met three times between September and December at the Berlin-Brandenburg Academy of Sciences and Humanities. Academia Europaea was represented at the meetings by Cardiff staff Professor Ole Petersen, Louise Edwards and Dr Esther Dorado-Ladera.



Members of the *Making sense of science* panel (Left to right: Johannes Klumpers [Head of the European Commission's SAM Unit], Ortwin Renn [Chair of the SAPEA Working Group on *Making Sense of Science*], Nicole Grobert MAE [Member of the European Commission's Group of Chief Scientific Advisors], Richard Catlow MAE [Vice-President, Royal Society])

An expert panel discussion on *Making Sense of Science* was organised by the Cardiff Hub for the Academia Europaea 30th anniversary event at the Royal Society in September.

Following our successful coordination of the *Food from the Oceans* evidence review and the delivery of the report to the European Commission at the end of 2017, the focus in 2018 was on promoting awareness and uptake of the report, together with measurement of impact. We ensured that it was promoted at a range of different events. These included 10 different European countries and countries beyond Europe (Japan, Malaysia, Taiwan and the USA), reaching several thousand academics, policymakers and other stakeholders.



Our work on public engagement has been particularly innovative. In partnership with SAPEA, the SAM Unit and Cardiff-based agency *science made simple*, we designed a set of infographics for distribution across the world. With the cooperation of the European Commission, it was handed out at 28 European Maritime Day events in 15 countries across Europe. We also launched an electronic version of the infographics to support over 1300 events across the globe for World Oceans Day on 8th June, which was celebrated in 140 countries at over 1,500 events.

Our partnership with the Cardiff University Library Services on systematic review to support evidence-building has continued to develop. In March, we hosted a small group of staff from the European Commission's Science Advice Mechanism (SAM) Unit to meet with staff of the Cardiff Hub and University Library

Services. In April, the Hub hosted a SAPEA workshop on evidence review methods, including sessions on open science, reproducibility and systematic review.

The Cardiff Hub had a major role in sustainability planning for SAPEA, this work being led by Academia Europaea for the consortium. Ole Petersen represented AE on the working group and Louise Edwards (Hub Manager) and David Coates (AE Executive Secretary) formed the secretariat. An interim report is due in January 2019.



Infographics created to engage the public

PRIORITY 2:

Showcase outstanding regional research

Objective:

Raising the profile of outstanding research within our region and beyond, particularly by Academia Europaea members, including work led by us in the SAPEA project.

In 2018, we continued to develop our website, both in terms of functionality and content. Over the year, our usage data shows continuous improvement compared to the same period last year (see Performance Indicators on page 11). Our web-based interview series proved very popular, with new interviews from MAEs Professor John Tucker of Swansea University and Professor Christopher Smith of University of St Andrews.

We have invested more time in social media activity, which is successfully driving traffic to our website. Twitter activity has been particularly effective and is currently in the top three sources of directing traffic to our website (after direct searches and Google searches). Since last year, impressions (the number of times a tweet appears in someone's timeline) have increased by 25%



“ I loved the idea that AE was an academy representing and celebrating the academic world of Europe”

Professor John Tucker MAE, Swansea University
Image courtesy of the Royal Society



“ I am extremely honoured to be a member of the Academia Europaea, which upholds the values of interdisciplinary excellence and international exchange that are so important to me”

Professor Christopher Smith MAE University of St Andrews

and engagement by 15%. In September, we became active on both Facebook and LinkedIn and we are starting to see impressions and engagement.



In 2018, we increased our range of printed and online publications. We published Academia Europaea's 30th anniversary commemorative brochure, launched at AE's 30th Annual Conference in Barcelona in November. We also designed and published a full report on *Science for policy: a European perspective*.

PRIORITY 3:

Engage with our membership

Objective:

Reaching out and engaging our regional and AE membership with our work, particularly through the SAPEA project.

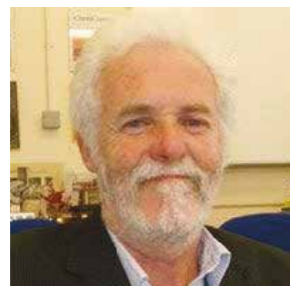
Cardiff University's Professor Graham Hutchings was selected by an independent panel for SAPEA's international working group on *Carbon Capture and Utilisation (CCU)* that produced an Evidence Review Report for the European Commission. His Cardiff colleague, Professor Mike Bowker, participated in a CCU expert workshop held in January, in Brussels. Professor Bowker presented the findings of the CCU report at our *Science for Policy* event at Swansea University on 4th September.



30th anniversary tea party at Darwin College Cambridge 12 April 2018. From left to right: Arnold Burgen (AE Founding President), David Coates (AE Executive Secretary), Greg Winter (Master of Trinity College), Geoffrey Lloyd, Ole Petersen (AE Vice-President), Olga Kennard (Burgen), Tom Blundell, Brian Heap, Balazs Gulyas (and guest), Michael McIntyre, Alex Boksenberg, Mary Fowler (Master of Darwin College), Marylin Strathern and Ron Laskey



Professor Graham Hutchings
FRS FLSW MAE



Professor Mike Bowker FLSW

In September, more than 80 members of Academia Europaea (MAEs) gathered at the Royal Society in London to mark the Academia Europaea's 30th anniversary. The whole Cardiff Hub team attended and supported the event, from the early planning stages onwards.

In November, over 100 members of Academia Europaea attended Academia Europaea's 30th Annual Conference, *Building Bridges*, in Barcelona which took place in November 2018. The event, organised by the Barcelona Hub, was held at the Institut d'Estudis Catalans (IEC), home to the Barcelona Knowledge Hub. Professor Ole Petersen and Dr Esther Dorado-Ladera represented the Cardiff Hub in Barcelona.

There were a number of celebrations throughout the year to mark AE's 30th anniversary, which provided a number of opportunities to engage with our members. In April, Professor Ole Petersen and other founding members attended a tea party in Cambridge to honour Sir Arnold Burgen FRS, the Founding President of AE.



30th anniversary celebrations at the Royal Society. Left to right: First row, Professor Lars Walløe, Sir Arnold Burgen, Professor Eva Kondorosi, Mr Robert-Jan Smits, Professor Richard Catlow, Professor Jürgen Mittelstraß and Professor Sierd Cloetingh. Second row, Professor Nicole Grobert, Dr Johannes Klumpers and Professor Ole Petersen. Last row, Dr David Coates and Professor Ortwin Renn. Event image, courtesy of the Royal Society



Academia Europaea's 30th Annual Conference in Barcelona. MAEs networking in the IEC cloister

PRIORITY 4:

Engage with wider stakeholders

Objective:

Reaching out to and engaging with a wider group of Hub stakeholders, including local and European higher education institutions, regional and European political institutions, academies and the general public.

In March, the Cardiff Hub hosted a major international symposium, *Physiology and Pathophysiology 2018*, to mark the 75th birthday of Professor Ole Petersen, the Hub's Academic Director. The event attracted 90 delegates from across the world, many of whom had worked with or been mentored by Professor Petersen. They included world leaders in the field, with 13 Members of Academia Europaea including 5 Fellows of the Royal Society and 3 Members of the German National Academy of Sciences Leopoldina.



Chairs and speakers at the *Physiology and Pathophysiology 2018*, marking the 75th birthday of Professor Ole Petersen



Professor Pearl Dykstra (Deputy Chair of the European Commission's Group of Chief Scientific Advisors) and Professor Ole Petersen during the session on *Food from the Oceans* at the ALLEA Annual meeting in Sofia, Bulgaria



Louise Edwards, Hub Manager, represented SAPEA and Academia Europaea at the Lisbon Academy of Sciences in Portugal



Science for Policy panel of speakers. Left to right: Professor Ole Petersen, Dr Dion Curry, Professor Mike Bowker, Wendy Sadler MBE, Professor John Tucker, Professor Peter Halligan, Professor Robert Evans

In May, Professor Petersen presented on *Food from the Oceans* at SAPEA symposium, *Shaping European science advice: insights and experience*, held at the Bulgarian Academy in Sofia. The symposium was attended by up to 130 delegates from approximately 40 countries, including the Hub Manager, Louise Edwards.

Louise Edwards spoke at the Lisbon Academy of Sciences in May, at a meeting which brought together a number of Portuguese experts on the topic of *Food from the Oceans*, including the MEP Ricardo Santos. The European Commission's Group of Chief Scientific Advisors was represented by Professor Elvira Fortunato, who briefly introduced the Scientific Advice Mechanism and the work of the Group.

In 2018, we met our aim of reaching out to partner organisations to host events. An expert panel debate, *Science for policy: a European perspective*, took place in September at Swansea University's new Bay Campus. The Panel Chair was Professor John Tucker MAE. The new Chief Scientific Adviser for Wales, Professor Peter Halligan, opened the session. Professor Ole Petersen gave an overview of the role played by academies in the European Scientific Advice Mechanism (SAM), through the SAPEA project. SAPEA's achievements were illustrated by two case studies, one on *Carbon capture and utilisation*, presented by Professor Mike Bowker and the other on *Food from the oceans*, delivered by Wendy Sadler MBE, both of Cardiff University. The final panellists, Dr Dion Curry (Swansea) and Professor Robert Evans (Cardiff), provided a research perspective on the evolving field of science for policy. The presentations sparked an interesting and lively debate, with the audience expressing their views on a wide variety of issues. Participants also engaged with an exciting exhibition designed around the key themes. This event led to us publishing our first full post-event report, which was circulated widely.

In November, the Academia Europaea Cardiff Knowledge Hub hosted an Asthma UK meeting, *Curing and preventing asthma; where do we go next?* The meeting, held at Cardiff University, was chaired by Academia Europaea member and Founder Chair of the Clinical & Veterinary Section of Academia Europaea, Professor Stephen Holgate CBE MAE. Delegates specialising in this area of medicine attended from as far as San Francisco.



Dr Samantha Walker, Professor Ole Petersen CBE FRS MAE, Professor Sven-Erik Dahlén MAE and Professor Stephen Holgate CBE MAE at the Asthma UK meeting

The Hub also extended its civic and cultural connections in 2018. We were delighted to be invited to the opening of an art exhibition *Prisoner of War* by Bergen artist Bodil Friele at the Norwegian Church in Cardiff Bay. Professor Ole Petersen, one of the invited speakers at the launch, highlighted the deep links between Cardiff and Bergen, established through the Academia Europaea hubs in both cities. The exhibition was opened by the Rt. Hon. Lord Mayor of Cardiff, Councillor Dianne Rees.



The Rt. Hon. Lord Mayor of Cardiff, Councillor Dianne Rees, officially opening the *Prisoner of War* exhibition

In October, the President of the Armenian Academy, Academician Radik Martirosyan, invited Professor Ole Petersen and his wife to attend the National Academy of Sciences Republic of Armenia (NASRA)'s 75th Anniversary. The event celebrated the achievements of Armenian scientists, scholars and artists. Professor



Panel discussion with the Armenian Prime Minister. From left to right: Graham Caie (Vice-President of ALLEA), Ole Petersen (Vice-President of AE), Tadej Bajd (President of the Slovenian Academy of Sciences and Arts), Chunli Bai (President of the Chinese Academy of Sciences and Foreign Member of AE), Radik Martirosyan (President of NASRA) and Nikol Pashinyan (Prime Minister of the Republic of Armenia). Image courtesy of the Press Office of the Armenian Government

Petersen gave a talk on Academia Europaea and its role in the European Commission's Science Advice Mechanism and participated in panel discussions with the Presidium of the Armenian Academy, as well as with the new Prime Minister of the Republic of Armenia, Nikol Pashinyan.

PRIORITY 5:

Ensure future sustainability

Objective:

Achieving ongoing sustainability of the Hub, beyond its initial funding period of 4 years.

The Hub also met its ambition to partner in new project proposals with colleagues at Cardiff University. In March, Dr Esther Dorado-Ladera represented the Hub at a networking event organised by Vision 2020, at Wales House in Brussels. The event facilitated consortia-building and matchmaking between academia and industry for Horizon 2020 energy calls. We participated in two consortia proposals for Horizon 2020 funding in 2018. We also secured extra funding from SAPEA for additional work undertaken in support of the project.



Dr Esther Dorado-Ladera, Executive Officer (Projects) presenting at a Vision 2020 networking event at Wales House, Brussels

Governance

The Cardiff Hub Steering Group meets annually and will hold its next meeting on 14th January 2019. The following distinguished scientists and scholars serve on the Group:

- Yves Barde** MAE FRS
- Nora de Leeuw** FLSW MAE
- Dianne Edwards** CBE FLSW FRS MAE
- Theo D'Haen** MAE
- Donald Dingwell** ML MAE
- Stephen Holgate** CBE FMedSci MAE
- Genoveva Marti** MAE
- Colin Riordan** FLSW
- Sir John Skehel** FRS FMedSci MAE (Chair)
- John Tucker** FLSW MAE

Finance

Cardiff University has covered the salary costs of one FTE member of staff and one half-time member of staff, in addition to providing £10,000 for operating costs in the financial year 2018-19. The SAPEA project has also been a significant source of funding.

Resources

Staffing



Academic Director
Professor Ole H. Petersen



Knowledge Hub Manager
Louise Edwards



Executive Officer (to May)
Judith Lockett



Executive Officer (from June)
Juliet Davies



Executive Officer (Projects)
Esther Dorado-Ladera

Communications Analytics

INDICATOR	RESULT	PERFORMANCE IMPROVEMENT COMPARED TO 2017
Number of visits to the Hub website January-December 2018	5,303	↑ 27.05%
Number of pages viewed on the Hub website January-December 2018	19,018	↑ 71.75%
Number of new users	3,235	↑ 32.31%
Average number of times users were served a Hub Tweet in timeline or search results (per day)	308	↑ 25%
Number of active user engagements (e.g. re-tweets, likes) with the Hub Twitter account	1,545	↑ 15%
Number of new Twitter followers	238	↑ 70%
Number of Twitter media views	1,349	↑ 695%
Number of mentions on Twitter	37	↑ 68%
Number of Facebook users reached*	1,682	n/a
Number of engagements on Facebook*	312	n/a
Number of LinkedIn page views*	73	n/a
Number of LinkedIn unique visitors*	27	n/a
Number of LinkedIn impressions*	910	n/a
Number of LinkedIn engagements*	68	n/a

*Figures from September - December 2018



Acknowledgements

The Cardiff Hub would like to thank the following organisations for their support in 2018:

Agar Scientific
Alliance for Useful Evidence
Asthma UK
Cairn Research
Cardiff University
IMPACT
Learned Society of Wales / Cymdeithas Ddysgedig Cymru
science made simple
Swansea University
The Learned Society of Wales
The Journal of Physiology
The National Academy of Sciences Republic of Armenia
The Royal Society
University of Wales Press
Wales Centre for Public Policy
Welsh Government

About Academia Europaea

Founded in 1988. Now has almost 4000 leading scientists and scholars as members, including over 70 Nobel laureates. Operates through a network of knowledge hubs in Barcelona, Bergen, Cardiff, Tbilisi and Wrocław.

Hosted by



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ACADEMIA EUROPAEA WROCŁAW KNOWLEDGE HUB ACTIVITIES REPORT FOR 2018

Lecture by Prof. Hermann Maurer at the Wrocław University of Science and Technology – 12.06.2018

Academia Europaea Wrocław Knowledge Hub had a pleasure to invite local scientists, scholars and the broad audience to a lecture by Academia Europaea Member, Prof. Hermann Maurer from Graz University of Technology (Austria).



The lecture was titled: *We need lots of imagination to solve some of the big problems facing mankind*. The lecture and discussion that followed were organised within the cycle The Interdisciplinary Scientific Seminar of the University of Science and Technology in cooperation with Wrocław Knowledge Hub of Academia Europaea.

The Interdisciplinary Scientific Seminar of the University of Science and Technology

The lecture of Prof. Hermann Maurer took place in cooperation with Academia Europaea Wrocław Knowledge Hub within a cycle of open meetings, organised by the University of Science and Technology, under the name of Interdisciplinary Scientific Seminar. The meetings present lectures of worldwide known speakers that are directed to the broad audience – students, PhD students, scientific staff and all recipients interested in broadening their knowledge related to exact science. The University of Science and Technology every month hosted one expert, who talks about most recent research in his field. Detailed information about the Seminar is available at the Seminar website (<https://pwr.edu.pl/en/university/interdisciplinary-scientific-seminar>).



Short abstract of the lecture:

In this talk we claim that many of the biggest problem facing mankind cannot be solved by just minor changes, but do need entirely new approaches. We try to show this by discussing some major problems and unusual ways to potentially handle them. We start with a new look at CO₂, global warming and the often ignored consequences of population growth and migration. We need much more clean energy for many reasons, but traditional techniques of production will not suffice. We present a solution for the traffic of the future. We then show weaknesses in the analysis of big data, how automation will change the world in ways rarely discussed, and how the Internet is reducing our cognitive capacities, is changing our culture ...and why some of the dreadful sounding consequences are not as bad when considered carefully. We finish by pointing out one of the main problems of ongoing digitization by presenting one rather amusing example, and one that certainly is not amusing. All statements in this rather provocative talk were based on results that are testable or replicable in laboratories, yet whether they will impact society as is discussed will depend on economical and other parameters, and this is where there is ample room for speculation (used by the speaker) and discussion (with the audience).

Lecture by Prof. Göran Bolin as part of the Summer School of Democracy: Media, Information Literacy and Populism – 17-29.06.2018

Wrocław AE Hub had a pleasure to support the *Summer School on Democracy: Media, Information Literacy and Populism*, organised by The Institute of Political Science of the University of Wrocław, with the invitation of Academia Europaea Member, Prof. Göran Bolin from Södertörn University, Stockholm.

Professor Bolin gave a very interesting lecture titled *Mediatization, digital media practice and banal civic engagement*. Details regarding the other parts of the summer school and available on the website: <http://summerschool.politologia.uni.wroc.pl/Programme>.



Abstract of the lecture:

When it comes to the relation between digital media practices and civic engagement, much research has focussed on protest movements (e.g. Occupy Wall Street and similar phenomena) and mass civic upheavals against authoritarian regimes (e.g. the Arab Spring). A much less focused set of practices are related to the everyday, mundane and banal engagement in issues of less dramatic proportions, and with closer affinities to the lifeworld of citizens. In late modern, mediatized societies with decreasing voter turnout and party affiliations, there is a strong need to discuss the role of digital media in everyday civic engagement. Drawing on research carried out on the civic practices among citizen media users in Estonia and Bulgaria, this lecture will account for and theorise some of these practices with a specific focus on their role in the mediatization of civic culture. A specific focus will be on which competencies and literacies are activated in civic agency.

Summer school on democracy is an annual event organized by the Institute of Political Science at University of Wrocław since 2013. All lectures during the seminar are in English. The 2018 edition focused on the matter of Media, Information Literacy and Populism in the modern world.

The goal of the workshop was the discussion on the development of skills concerning verification and understanding the essence of information presented every day in mass media. The issue is not only how to interpret the information that are published, but also how to connect them with the fundamental values of democracy such as freedom of speech or access to information. This critical approach launch a discussion that bonds such matters like politics, psychology and mass media.

The 2018 edition gathered scholars from various universities from different countries: Croatia, Romania, Czech Republic, Hungary and Poland. The initiative was supported also by the The European Commission Representation in Wrocław and Academia Europaea Knowledge Hub. The Summer School was inaugurated by the speech of Professor Goran Bolin from Sodertorn University in Stockholm, a member of Academia Europaea. His speech *Mediatization, digital media practice and banal civic engagement* was an encouraging trigger for the further discussion that was realized in a form of seminars and workshops.

The practical nature of the Summer School connected with the unhampered atmosphere between the participants, created an opportunity for a profound discussion between the lecturers and students.

Thanks to the support of Regional Center of International Debate the participants had an opportunity to visit the gems of the Lower Silesia region – The Książ Castle in Wałbrzych, The Church of Peace in Świdnica and of course the landmarks of Wrocław.

Lecture by Prof. Peter Gollwitzer as part of the Summer School of Democracy: Media, Information Literacy and Populism – 17-29.06.2018

SWPS University of Social Sciences and Humanities, Department of Psychology in Wrocław in the dates of 2-9 July, 2018 organized the Social Psychology and Economic Psychology Summer School.

The summer school in social and economic psychology was organized by prof. Dariusz Dolinski, prof. Katarzyna Byrka, prof. Agata Gasiorowska, dr Katarzyna Cantarero, dr Jakub Traczyk and dr Olga Bialobrzaska at the Faculty of Psychology in Wrocław, SWPS University of Social Sciences and Humanities. It was a national-level event, for 29 participants and the workshops were delivered in Polish. Prominent scholars gave talks during the event (prof. Peter Gollwitzer, prof. Bogdan Wojciszke, dr Wijnand Van Tilburg). The summer school was followed by a small methodology-focused conference. The event was met with a lot of positive feedback coming from the participants and their supervisors, among others.

During the Summer School Prof. Peter Gollwitzer (New York University, Member of Academia Europaea), gave a keynote lecture titled *Effective Goal Attainment by If-Then Planning*.



Abstract of the lecture by Prof. Peter Gollwitzer:

Turning one's motivation to engage in desired thoughts, feelings, and actions into binding goals has long been thought to be sufficient to get what we want. But striving for these goals often turns out to be ineffective: people fail to get started and easily get distracted once they got started. Preparing one's goal striving in advance via making plans on when, where, and how to act (referred to as making if-then plans or forming implementation intentions) however helps to promote goal attainment. The beneficial effects of making if-then plans are observed no matter whether hindrances from within the person (e.g., ego depletion) or from outside (e.g., negative social influences) are to be dealt with. In my talk, I'll delineate the processes on which the beneficial effects of implementation intentions are based on by presenting relevant research using cognitive task paradigms and assessing brain data. I'll also report findings demonstrating that implementation intentions can be used to curb even habitual cognitive, affective, and behavioral interfering responses. In closing, I'll point to recent research on planning to think carefully showing that such plans improve decision making. Moreover, I'll point to potential moderators of if-then planning effects.

History and Archeology Section Workshop "Mobility: a bridge between the past and the present" – 3-4 September, 2018

(detailed workshop summary by Prof. Nikita Harwich, Chair of History and Archeology Section, AE)

The topic of « mobility » is understood here in its paradigmatic sense. It takes into account the mobility of human beings, goods, animals and plants, diseases or knowledge, including infrastructure, effects on environment, societies and politics, gender issues, transport, etc. At the same time, an historical dimension may serve to bestow upon such paradigm the perspective given by time when applied to different patterns of mobility. However, the bridge is not only between past and present, but also between disciplines, both within and beyond the realm of humanities and social sciences.



Photo by Helmut Leitner

The purpose of this workshop, therefore, was to consider strengthening the links between the two component disciplines of our Section, namely History and Archaeology, while at the same time consolidating our disciplinary voice within the *Academia Europaea* and establishing a constructive dialogue with the other sections of the *Academia*.

After a few words of welcome and presentation from the History & Archaeology Section Chair, Nikita Harwich, the first keynote speaker of the workshop, Prof. Amélia POLÓNIA (University of Porto) was introduced. Her intervention concerned **«Mobilities: the role of Social Sciences and the Humanities under the United Nation Sustainable Goals for 2020-2030»**

The Sustainable Development Goals (SDGs) for 2020-2030, otherwise known as the *Global Goals*, are a universal call to action to end poverty, protect the planet and ensure that all people enjoy peace and prosperity. They include areas such as climate change, economic inequality, innovation, sustainable consumption, peace and justice. They all point to the present and even more to the future, while history and historians study the past. The paper will discuss the possible contribution of the Social Sciences and the Humanities to these goals.

This will apply in particular to the topic of Migrations, which involves and connects with most of the previous concerns. The topic comprises broad concepts of socio-cultural, religious, political, economic, environmental and technological movement and change, duly emphasising notions of transnationality, syncretism and transition. The skills, experience and research interests of the Social Sciences and Humanities have a determinant role in this analysis furthering the proclaimed 17 Sustainable Goals. Since the study of mobility over time involves topics like intercultural exchanges and their reflections in society, language, culture and heritage, the Social Sciences and Humanities come inevitably to the fore.



Prof. Amélia Polónia is professor at the University of Porto. She holds the chair of Portuguese Overseas Expansion. Among her latest publications are, as co-editor, *Beyond Empires. Global, Self-Organizing, Cross-Imperial Networks, 1500-1800* (Leiden: Brill, 2016); *Seaports in the First Global Age. Portuguese Agents, Networks and Interactions* (Porto: Editorial UPorto, 2016) and *Mechanisms of Global Empire Building* (Porto: CITCEM/ Afrontamento, 2017).

Some of the topics mentioned above have been dealt with by historians, demographers, anthropologists, economists, or even biologists or epidemiologists – separately. Given the demonstrated usefulness of these concurrent yet often separate approaches, the paper will suggest to bring these disciplines together, to promote the interplay between their concepts, their methods and their knowledge, thus providing a new paradigm of approaching the topic.

Today more than ever, academics are encouraged to work across disciplines. The consensus seems to be that, while disciplinary research has its merits, the future lies in cooperation across disciplines. Rigid adherence to the

borders of academia is a twentieth-century relic, scholars are told; the challenges of the twenty-first century (and beyond) will require historians to talk to botanists, literary critics to talk to physicists, and anthropologists to talk to astronomers. The question of this paper is: how far can social scientists go; how far do they want to go down this road?

Following Prof. Polonia's presentation, Stephen BI charmed the audience with a most enthralling account of «**The Institutional Lock-out of Sustainable Transportation Technologies: Inherent, Intentional, Invertible?**».

Mobility lies at the crux of today's global economy and of the modern human experience. Unfortunately, irreconcilable to the supposed international resolve to combat climate change, the worldwide transportation sector remains 93% dependent on the oil industry. Indeed, while other economic sectors in developed nations have begun to decarbonize in recent decades, greenhouse gas emissions from transportation have continued to rise. This observation runs counter to logic, given that sustainable mobility technologies were not only available but preferred over petrol engines over a century ago, long before analogous alternatives for other energy demands entered the market. The present paper will examine how automobiles came to be so dependent on a finite and socially detrimental resource when electric and ethanol-powered vehicles have always offered distinct performance advantages.

A commonly offered explanation couples the Texas oil boom with Ford's mass production of Model T's – conjuring the U.S. history trope of manifest destiny – but actor-level analyses in proper historical context suggest a narrative driven by serendipity and conspiracy. Presented here are two separate series of actions and events by which ethanol and EVs fell from socio-political favor to technological lock-out. These accounts will be framed within a neo-institutional perspective which entwines the concepts of path dependency, increasing returns, political economy, techno-institutional complexes and carbon lock-in. The novel concept of inherent vs. intentional lock-out is introduced in an effort to categorize the specific mechanisms and institutions exploited to facilitate such extreme consolidation of power within a liberal market economy. An exploration of the institutional context of mobility and its evolution in America and in Europe will follow, serving both to compare the lock-out forces active in either society and to illuminate policies and social levers which can help break these barriers to the decarbonization of personal transport.



Stephen Bi is a PhD candidate in climate economics, seeking to analyze the environmental, economic, and social aspects of sustainability. Research Assistant, Model Operations (Sustainable Solutions Research Domain) at the Potsdam Institute for Climate Impact Research (PIK).

The following speaker in the programme, Prof. Gideon BIGER of the University of Tel-Aviv, presented his topic of **“International boundaries - The Bridge between History, Geography and Political Science.”**

International boundaries are man-made separation lines, which divided between more than 200 different states which exist to-day all over our globs. These boundaries were described, a hundred years ago by Lord Curzon of Kedleston, later the British Foreign secretary, a "the razor's edge on which hangs suspended the modern issues of war and peace, or life or Death to nations". All of today's boundaries were created in the past; sometimes a few years ago, sometimes some decades ago and some boundaries were even established some hundred years ago. Thus, international boundaries reflect the historical moments in the life of a state, when its limits were made according to its force and ability at that time. Thus, understanding the process of boundary making and their location can become a bridge of research and knowledge between three major scientific areas – History, Geography and Political Science.

Another important bridge is the one crossed by the next speaker, Renate PIEPER, from the Karl-Franzens-University, Graz. “Migrating news from handwriting to print in early modern Europe”.

The advent of the printing press, in the second half of the fifteenth century, has been of much interest to historians. Especially printed newspapers have been associated with the development of a modern public sphere. Nonetheless, most of the written information available continued to circulate in a manuscript form, well into the 20th century. Furthermore, on many occasions, handwriting was considered more precious than printing or typing. Thus, to a large extent, manuscripts set the patterns for imprints. This was also the case of newspapers. Thus, the purpose of my presentation is to show the intense dependency path of the first printed Dutch newspaper on Flemish handwritten newsletters.

The second keynote speaker who inaugurated the second workshop day was Prof. Em. Pieter EMMER, from Leyden University, who gave a most thought-provoking presentation on «**Free and Unfree Migration, 1500-1900**».



*Pieter Emmer is Emeritus Professor in the History of the Expansion of Europe and related migration movements at the History Department of the University of Leiden. Visiting fellow at Churchill College, Cambridge, UK (1978-79), he served as visiting professor at the University of Texas at Austin (1986-87) and at the University of Hamburg, Germany (1996-97). His recent publications include: *The Dutch Slave Trade, 1500–1850. European Expansion and Global Interaction* (Oxford and New York, NY: Berghahn Books, 2006) and *The Dutch in the Atlantic Economy, 1580-1880. Trade, Slavery, and Emancipation* (Aldershot, Variorum, 1998). Together with Klaus Bade, Jochen Oltmer and Leo Lucassen, he wrote and edited *The Encyclopedia of European Migration and Minorities. From the 17th Century to the Present* (New York: Cambridge University Press, 2011).*

The discovery of the New World sparked a large-scale migration movement lasting more than four centuries. In his talk, Prof. Emmer discussed first the mobility within both Europe and Africa during the early modern period showing that most migrations took place within those continents. Before 1800 only 2 to 3 million Europeans availed themselves of the opportunity to move to the New World and a sizeable part of this migration consisted of indentured labourers. However, the demand for labour in the New World could not nearly be satisfied by the supply neither of local Amerindian labour, nor by the relatively modest number of European migrants. As a result, the Europeans turned to Africa and transported about 11.5 million slaves to the New World. Humanitarian pressures ended the slave trade during the first half of the 19th century. After 1850, the migration of Europeans increased dramatically, but these migrants avoided the former slave regions. In order to replace slave labour, some areas resorted to the importation of Asian indentured labourers, mainly from British India. However, these indentured migrants were not the “new slaves”, as is often argued.

Three history-centered presentations followed. The first-one, by Prof. Em. Sverre Håkon BAGGE (Bergen University), addressed the issue of «**Social and geographic mobility in Medieval Scandinavia**», taking as its departure point the kings’ travel pattern in thirteenth-century Norway which is relatively well documented. The king travelled on ship along the southern coast, between Oslo and Bergen, and spent the winter in one place – mostly in Bergen – where he gathered the leading men of the country for the Christmas celebrations. This pattern seems to form an intermediate phase between a period when he travelled all over the country and a later one,

particularly during the unions with the neighbouring countries in the later Middle Ages, when he rarely visited Norway at all. This raises the question of the relationship between geographic and social mobility.



Sverre Håkon Bagge is Emeritus Professor of Medieval history at Bergen University. His recent publications include : « Warrior, King and Saint: The Medieval Histories about St. Olaf Haraldsson », Journal of English and Germanic Philology 109.3 (2010), pp. 281-321 ; From Viking Stronghold to Christian Kingdom. State Formation in Norway, c.900-1350 (København: Museum Tusulanum Forlag, 2010) ; « Ethics, Politics, and Providence in William of Malmesbury's Historia Novella », Viator 41 (2010), pp.113-32 ; « The Model Emperor - Eginhard's Charlemagne in Widukind and Rahewin », Viator 43 (2012) Cross and Scepter: The Rise of the Scandinavian Kingdoms from the Vikings to the Reformation, 2014)

A clearer social hierarchy would reduce the king's need for travelling and the introduction of permanent and professional administrators would mean that these people would visit the king rather than vice versa. However, there are variations in this pattern, between the Scandinavian countries as well as over time. Moreover, the king did not travel exclusively for political reasons, but also for hunting and other entertainments and on pilgrimages. Nevertheless, the changes in this field form a significant part of the development of European monarchy.

The second presentation, by Prof. Jörg PELTZER (Heidelberg University), was concerned with «**Transfer, Entanglement and Regal Traditions. The mobility of ideas or how to define princely rank in England and the Empire in the fourteenth century.**»

Recent scholarship has argued that letter collections spreading through the chanceries across Europe shaped a European political language from the late 13th century onwards. This paper addressed the issue by looking at how the royal chanceries in England and the Empire justified the promotion to the rank of an imperial prince/earl/duke/prince in either realm. How did they portray their respective socio-political orders and the role of the aristocratic elite therein? Which criteria did they develop to define what made a person worthy of promotion to princely rank? To what extent did they share their language, conceptions and ideas? Which sources did they draw upon? While considering a wide range of source material, the anchor of this study is William, duke of Juliers and earl of Cambridge (d. 1361). As an imperial prince and earl, William was a unique figure in fourteenth-century Europe. He was a chief diplomat travelling frequently between England and the Empire who owed his promotions to his restless activities for both, the English king and the Emperor. His promotions are thus ideally suited to discuss both, the potential entanglement of political thought in England and the Empire, and the possibility of a concrete transfer of ideas from one realm to the other. By contextualizing these findings in the wider historical context, becomes then possible to assess to what extent a common European language of power was developed in late medieval Europe.

Finally, the third presentation, by Dr. Manuel LUCENA GIRALDO (CSIC, Madrid), emphasized the «**bridging perspective**» of «**public works in the Spanish Empire**».

The day after the battles, public works began. At least in the Spanish – unexpected – empire, after the failure of Christopher Columbus's governance in the Antilles. The foundation of cities in the Americas was the colonization strategy. As we will see in this paper, urban republics formed a network to support the kingdoms of the Indies for more than three centuries. Far beyond traditional and nationalistic explanations, it was precisely the ability to establish bridges – social, as well as material – that explains the resilience and durability of such network until 1825. But no doubt the question goes far beyond. Why do empires in History last ? Is the so-called « soft-power » related to the abilities and chances to built up structures of material grounds an explanation? A

bridge is a symbol of communication, but it establishes a limit as well. And it maintains a human connection which, in due course, is what a public work actually stands for.

The remaining two papers in the workshop concerned contemporary issues. «**Brexit and sustained mobility**», by Prof. Em. Hans Ulrich Jessurun D'OLIVEIRA (University of Amsterdam; European University Institute (Florence) assessed the tricky issue of EU citizens residing in the United Kingdom and UK citizens residing in (other) EU countries. Their secure residency status as EU citizens has become shaky: UK citizens lose their status as EU citizens, and EU citizens may lose their residency status as the UK regains control on immigration after Brexit. Negotiations between the UK and the EU try to solve their predicaments. As the outcome is as yet not cast in stone, the migrants involved seek their own solutions.

For a number of them an available solution is the acquisition of the nationality of either the UK or that of one of the EU member states. In my paper I will show that this bottom up approach, where the citizens take their destiny in their own hands, takes various forms, dependent on nationality laws of the states involved and their own opportunities. A few examples. UK citizens of Portuguese Jewish descent may opt for the nationality of Spain or Portugal, as these states have in recent years opened this possibility as a kind of Wiedergutmachung for the murder and banishment of their forbears. Likewise, UK citizens, descendants of German Jews exiled under the nazi regime, are now reacquiring German nationality. A numbers of persons seek to acquire the nationality of their partner, either to strenghten their residency status after Brexit, or in order to gain access to member states of the EU and retain their mobility in the EU. All this depends on the available laws on nationality, especially dispositions on plural nationality. Interestingly, some of these laws are changing under the pressure of Brexit.

The relevance of Prof. d'Oliveira's ominous remarks caused such a sensation among his listeners, that it was unanimously agreed that the integral version of his paper was to be immediately reproduced, both in the « News Section » of the History & Archaeology Section and in the « News Section » of the *Academia Europaea*, as a stern warning of what some the heretofore unforeseen consequences of Brexit would entail.



Manuel Lucena Giraldo (to the left) is Senior Researcher at the History Institute of the Madrid-based Consejo Superior de Investigaciones Científicas (CSIC), within the research group of Compared Studies of the Caribbean and Atlantic World. His recent publications include: *Historia de un cosmopolita. José María de Lanz y la Fundación de la Ingeniería de Caminos en España y América* (Colegio de Ingenieros de Caminos, Canales y Puertos, 2005); *A los cuatro vientos. Las ciudades de la América Hispánica* (Marcial Pons Ediciones de Historia, S. A., 2006); *Naciones de rebeldes. Las revoluciones de independencia latinoamericanas* (Taurus, 2010), selected the *The Times Literary Supplement* as one of the best essays for the year 2010; *Francisco de Miranda: la aventura de la política* (Editorial Edaf, S. L., 2011); *Ruptura y reconciliación: España y el reconocimiento de las independencias latinoamericanas* (Taurus, 2012); *Las independencias iberoamericanas. Libertad para todos* (Bonalletra-El País, 2017).

Jörg Peltzer (to the right) is Professor of Comparative Regional History in a European perspective with a focus on the late Middle Ages at the Ruprecht-Karls University of Heidelberg. His work focuses on social, political and legal history in the high and late medieval periods of Western Europe and the Reich. The geographical focus of his research is particularly on England, France and the Holy Roman Empire. His recent publications include, among many others : *1066. The fight for England's crown*, Beck, Munich 2016; *The rank of Palatine at the Rhine. The organization of the political-social order of the Reich in the 13th and 14th centuries* Thorbecke, Ostfildern, 2013 ; *Canon Law, Careers, and Conquest. Episcopal Elections in Normandy and Greater Anjou, c. 1140 and c. 1230* (Cambridge Studies in Medieval Life and Thought) (Cambridge, 2008)

The final paper in the workshop was presented by Prof. Rosa María MARTÍNEZ DE CODES (Univerdidad Complutense, Madrid) on the topic of « **Migration, governance and religious identities across Western countries.**»

The global refugee crisis has reignited longstanding debates about how to successfully integrate religious minorities into liberal democratic societies. Both United States, Canada and Europe share many of the same

challenges but there are some relevant differences in how religious identity is managed. In Western Europe, cultural fears seem to dominate, with many misunderstanding Islam as a direct threat to the norms and values that bind their societies together. On the other side, security fears, particularly connected with terrorism, are preponderant in the United States. Are there fundamental differences in how religious identity and freedom are approached on both sides of the Atlantic?



Rosa-María Martínez de Codes is Professor of American history at the Facultad de Geografía e Historia of the Universidad Complutense de Madrid. Her recent publications include : Trends of Secularism in a pluralistic World (co-editor) Ed. Iberoamericana/ Vervuert, 2013 ; Los bienes nacionales de origen religioso en México. Estudio histórico-jurídico. (1833-2004), 2007, Instituto de Investigaciones Jurídicas, Universidad Autónoma de México, México ; Rosa María Martínez de Codes y Jaime Contreras. “Hacia una historia Atlántica. Visiones religiosas compartidas”, Anuario de Estudios Americanos, Vol. 67, enero-junio, 2010, pp. 189-207 ; “La Ley Islámica y otros derechos”. In: R. Loyola y T. Calvillo (Coordinadores), Diálogo entre civilizaciones. Miradas, 2010, Universidad Nacional Autónoma de México, México, pp. 111-122.

With the exception of Prof. Renate Pieper’s and Prof. d’Oliveira’s papers, all the other workshop’s contributions will be edited and published in the *European Review* as a special dossier.

Apart from the high level of the academic presentations and ensuing discussions, the 2018 Wroclaw workshop was also the opportunity for a number of extremely cordial encounters among participants, thanks to the excellent organization provided by the members of the Academia Europaea Wroclaw Knowledge Hub : its Director, Prof. Arkadiusz Wójs; its diligent and efficient manager Katarzyna Majkowska, who took particular care that this event be a successful one, which it certainly was.

With the exception of Prof. Renate Pieper’s and Prof. d’Oliveira’s papers, all the other workshop’s contributions will be edited and published in the *European Review* as a special dossier.



One of the pleasant luncheon breaks amongst the lovely surroundings and delicious dishes served at Jasna restaurant, on Wroclaw’s riverside front.



Until next time in Wroclaw!

The Seminar *Cultural Landscapes in Central and Eastern Europe after World War II and the Collapse of Communism*, 19-21 September, 2018

The Seminar *Cultural Landscapes in Central and Eastern Europe after World War II and the Collapse of Communism* took place between 19 and 21 September 2018 in Wrocław, Poland. The seminar was coordinated by prof. Pieter Emmer (Leiden) and prof. Siegfried Huigen (Wrocław) together with the Organising Committee consisting of dr. Dorota Kołodziejczyk (University of Wrocław), dr Stanley Bill (University of Cambridge), prof. Tomasz Zarycki (Warsaw University) and Katarzyna Majkowska (AE Wrocław Knowledge Hub).

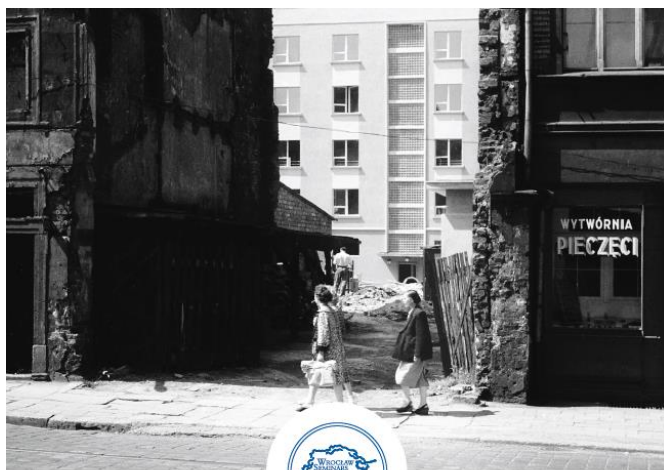
The seminar was attended by eight keynote speakers and **24 junior scholars**. The seminar was coordinated by prof. Pieter Emmer (Leiden) and prof. Siegfried Huigen (Wrocław) together with the Organising Committee consisting of dr. Dorota Kołodziejczyk (University of Wrocław), dr Stanley Bill (University of Cambridge), prof. Tomasz Zarycki (Warsaw University) and Katarzyna Majkowska (AE Wrocław Knowledge Hub). Streaming of the conference was provided, and is still available online (<https://acadeuro.wroclaw.pl/seminar/cultural-landscapes-in-central-and-eastern-europe-after-world-war-ii-and-the-collapse-of-communism/>).

The *Call for Papers* was published on the Seminar's website and on the official website of the Academia Europaea, moreover it was widely distributed amongst European universities. The Submission had to include a completed application form, a short abstract of the paper, and a CV with a list of publications. After receiving more than 100 applications, the Committee decided on inviting 25 young scholars to participate in the seminar. It was obligatory for the participants to send a fragment (or the draft version) and the title of their papers until August 10, 2018, so that the other seminar participants could read them before the beginning of the conference.

The participants were informed about conditions of participation in the event (accommodation and meals provided by the organisers, reimbursement of travel expenses up to the maximum of 100 EUR for Western Europe and 150 EUR for Central and Eastern Europe) and required materials (e.g. a pre-paper containing 4,000-6,000 words).



Senior scholars were offered the full reimbursement of transport costs. Participants were provided with an accommodation at the Art Hotel, Patio Hotel and Hotel Brajt. According to the decisions of the Organising Committee, organisers covered accommodation for up to four hotel nights for the keynote speakers as well as for all the participants.



CULTURAL LANDSCAPES IN CENTRAL & EASTERN EUROPE

after World War II and the Collapse of Communism

19-21 SEPTEMBER 2018,
WROCLAW, POLAND

ORGANISERS:



Wrocław Center for Culture and Journalism



Uniwersytet Wrocławski

SPONSOR:



Rzeszowski Instytut Kultury

All the seminar participants were provided with the catering service throughout the whole time of the event. A permanent coffee break was served for three days by the Art Hotel, where the conference took place. The lunches were served each day at nearby Korba Restaurant.

During the seminar, two evening meetings took place. Welcome Dinner took place in the Centennial Hall Complex on 19th September 2018. The Farewell Dinner was served to all participants on the official ending of the event. It took place in the Jasna Restaurant on 21st September 2018.

There were seven types of conference materials that have been produced: IDs, posters of the event, pendrives, booklets with biographical notes and abstracts, seminar programme and name badges, www banner. 70 conference packages have been prepared and handed to the participants and guests at the registration desk before the event.

The whole event was video-recorded, the live-streaming was provided throughout the whole duration of the seminar and it was available on the website of the seminar.

Seminar results

Considering a very high academic level of the New Nationalisms seminar and its urgency in the light of the developing political and social changes in Europe, the organisers as well as the participants expressed the need to continue the formula of the meetings. The seminar on New Nationalisms was signaling the necessity to observe, comment on and take measures in relation to the discourses of radical right, overt and covert nationalisms and other forms of anti-democratic sentiment on the rise today in Europe. Another related meeting giving grounds for the continued reflection and possible solutions would be help complete the mission of this first seminar.

Possible continuation of the New Nationalisms seminar in the future events

Seminars that would be preferably planned for the future would include topics which not only show the recent developments in some branches of the humanities, but, first and foremost, their comparative potential of communicating with other disciplines and their urgency for scholarly interests across national and regional borders. The list of current areas to cover would be the following:

- World literature – a canon/network aided by the processes of globalisation and market principles or a mode of reading whose main force is in linking texts and trends and elaborating world literature premises on those grounds. This topic is of utmost urgency not only for the theoreticians of comparative methods in the humanities (and also in social sciences), but also for the literary market, for global literature brokers (national literature institutions abroad, publishers and agents, funding bodies, academic research institutions etc.)
- The civic society in the rising anti-democratic forces in Europe and beyond – since liberal democracy is increasingly under threat from political discourses grounding their agenda in the mobilisation of negative social affects (fear, prejudice, anxiety of the other, hatred of the unknown, be it a person or knowledge or art) and no longer serves as the model of peaceful coexistence of states in a common pursuit of an internationalism balancing national interests and supra-national solidarities, the focus on how to promote and sustain the discourse of civic ethics is extremely urgent. A seminar bringing together scholars from the humanities, social and political sciences, as well as cultural and educational activists would create a transnational and transregional discussion node with outreach programs.
- Disability in the contemporary society – while the position and well-being of persons with disabilities is directly determined by the economic status of the state where such a person lives, the legal regulations and social organization directly situate persons with disability within the realm of the social and delineate their social roles. Here lies an urgent comparative potential of bringing together scholars and activists working on and with persons with disabilities and knowing their needs and obstacles they

encounter on everyday basis, most often unanticipated by the society at large. Social discourses around and about disability, the modes of representing the disabled in literature and culture, the level of the active participation of the disabled in the society – as professionals, artists, employees, business owners etc. – brings vital information about the inclusivity and openness of a given society to persons with disability. Thus, a forum on the place and role of the disabled to shape and develop civic society from the level of early education to the level of governmentality is necessary to keep up the civic and interventionist ethos of the humanities.

- Digital culture as grass-roots open society form of agency. Since so much has been revealed about the power of social media to influence the course of politics and, even, elections, a seminar focusing on digital culture as a powerful form of social activism premised on the ethos of solidarity beyond divisions would attract the scholarly and general interest. Ngos dedicated to nature's preservation, refugee integration and help, the access to the digital world for the disenfranchised, are only several out of innumerable forms of social agency made possible by digital media and geared towards help and shared civic responsibility.

The seminars would be organized, ideally, in a form of lectures and practical workshops bringing together scholars and activists/educators/social workers/politicians. Another format enriching the range of problems worked on within the Hub would be to launch cooperation with the running grant programs of interest financed from the ERC and other European structural funds.

Seminar „Philosophy and Mathematics” – 5-6 October, 2018

The Seminar „Philosophy and Mathematics” was organised jointly by the Academy of Young Scholars and Artists. The Young Scholars and Artists Academy is Poland's first initiative in its kind. Set up in 2010, the Academy supports young talents in arts and sciences. The Academy provides a platform for free and lively top quality interdisciplinary exchange. The Young Scholars and Artists Academy serves as an advisory body to the Mayor of Wrocław. The Academy members are given a chance to pursue a variety of joint initiatives at the interface of arts and sciences.

In October 2018 the Wrocław Hub of Academia Europaea was invited to contribute to an event initiated by Young Academy of Scholars and Artists International Center for Formal Ontology at the University of Warsaw by inviting Academia Europaea Members to contribute to the programme. The Seminar initially was supposed to be a one day event, but thanks to the enthusiasm of invited Academia Europaea Members, it eventually developed into 2-days meeting. It gathered specialists from the field of philosophy. The conference has ended with a debate on *Mathematics, Philosophy and Mathematical Philosophy*. The event brought to Wrocław well known philosophers: Prof. Hannes Leitgeb (mathematical philosopher from Munich, founder of Munich Center for Mathematical Philosophy, MAE), prof. Jan Woleński (Jagiellonian University, MAE), prof. Marek Kuś (Center for Formal Ontology at the University of Warsaw, MAE), prof. Roman Murawski (Adam Mickiewicz University, Poznań, MAE), prof. Krzysztof Wójtowicz (University of Warsaw). Young scholars were represented by Bartłomiej Skowron and Jakub Jernajczyk. The seminar papers were published in *Studia Philosophica Wratislaviensia*.



Current Challenges to European Integration: Between Regionalism and Nationalism - 8 October, 2018

The discussion of Professors Ayse Caglar, Gunnel Gustafsson and Ireneusz Paweł Karolewski (Academia Europaea Members) took on the current challenges to Europe, their research foci with regard to Europe as well as possible solutions to the problems at hand.

The agenda consisted of three lectures:

- **Ayse Caglar** (University of Vienna) "Through the looking glass of cities: challenges and opportunities for rethinking common futures in Europe"
- **Gunnel Gustafsson** (NordForsk) "Lessons Learned from the Nordics – European / EU integration at risk?"
- **Ireneusz Paweł Karolewski** (Willy Brandt Center for German and European Studies, University of Wrocław) "How to understand Europe with the help of theories of European integration?"

The event was open to the public and ended with a discussion.

The meeting was financed within the grant received from Riksbankens Jubileumsfond.



Short rationale:

The European Union appears to go through a period of instability and stress. There has been a surge of nationalism, populism and Euroscepticism in Europe. A number of crises including the financial crisis, the refugee crisis and the rule of law crisis challenge the institutional set-up of the EU, its ability to act collectively and its legitimacy among some of the citizens. Against this background, during this event of the Academia Europaea/Knowledge Hub Wrocław the current challenges to European integration were discussed and viewed from the perspective of three social science scholars from Austria, Poland and Sweden.

Signing of the Framework Agreement and Meeting of Local AE Members - 15.10.2018 r.

The Meeting of Local and Regional Scientists and Scholars was organized by Wrocław Knowledge Hub of Academia Europaea to present three lectures of esteemed scientists representing what was intended to be the report on the most exciting part of the research led by those well-known and successful professionals. The titles of their speeches were as follows:

- Prof. Tomasz Dietl, Polish Academy of Sciences, *International Research Agenda "MagTop"*
- Prof. Janusz Lipkowski, Cardinal Stefan Wyszyński University in Warsaw, *Surprise chemistry - benefits and hazards. A personal view*
- Prof. Arkadiusz Wójs, Wrocław University of Science and Technology, *Exotic states of quantum matter*

Also, due to the wide interest in the event, the evening proved to be a very good occasion to present the projects led by Wrocław Hub of Academia Europaea, with the project of The Wrocław Seminars as the main and most successful initiative conducted annually by the office. The event was brightened by the introductory speech of Prof. Sierd Cloetingh, who presented the opportunities the Academy gives not only to the established and successful scholars but also to the young generation, and presented its engagement in promoting the science and knowledge, active participation in many international projects, governmental initiatives and contribution to establishing high-level international bodies (e.g. EASAC) and developing programs (e.g. European Scientific Advisory Mechanism through involvement in SAPEA).



During the official part of the meeting, the Framework Agreement was signed for the Continuation of Academia Europaea Knowledge Hub in Wrocław for another two years. President of Academia Europaea, Professor Sierd Cloetingh and the Mayor of Wrocław, Rafał Dutkiewicz by signing the document opened up the implementation of the 2019-2020 program which includes both continuation and launching of numerous projects. After the most formal part, Professor Tadeusz Luty stepped down as Academic Director for the Hub and the AE Board were pleased to confirm Professor Arkadiusz Wójs (Chair of the Department of Theoretical Physics and Dean of Faculty of Fundamental Problems of Technology at Wrocław University of Science and Technology) as his successor. The meeting gathered representatives of local and regional scientific circles, municipality officials, Academia Europaea members, representatives of local scientific institutions and young, promising scholars. The Hub has financed one night stay and partial travel expenses reimbursement for 17 guests, provided catering service during the event and on the next day, during the working meeting, that enabled the discussion on further development of Hub activities equally in local and regional dimension.

Seminar „New Global Trends in the Humanities. Seminar Series – 25-26 October, 2018

In the autumn 2018, Academia Europaea Wrocław Knowledge Hub in cooperation with dr. Dorota Kołodziejczyk, Director of Postcolonial Studies Centre at the Institute of English Studies, University of Wrocław, launched a new seminar series titled **New Global Trends in the Humanities**. The guiding idea of the series is to create in the Wrocław Hub the place for discussing the most urgent problems tackled by the humanities (also social sciences, as these two research spaces easily overlap) today, alongside the new methodologies of scholarly insight offered by the developing technologies and knowledges in other sciences. Moving beyond the regional paradigm that so far has been predominant in the previous series Relocating Central Europe gives a chance to broaden the scope of disciplines whose achievements are worth representing and discussing within the Wrocław Knowledge Hub and help promote local scholars by showing how they communicate their research to the general academic audiences.

In the autumn 2018 two seminars opened up the series:

Prof. Nirmala Menon, Indian Institute of Technology, Indore
From Canon to Code: Decolonizing Digital Humanities- A Scholarly Publishing Perspective

Prof. Nirmala Menon discussed the larger question of Decolonizing Digital Humanities keeping in mind the issue of language use in scholarship and its consequences for the Global South. She will include in her discussion her project of decolonizing digital humanities through open access publishing initiatives. An internationally acknowledged scholar in digital humanities, Prof. Menon leads the Digital Humanities and Publishing Research Group at the Indian Institute of Technology (IIT), Indore, India. She is Associate Professor of



Humanities and Social Sciences (HSS), Discipline of English, IIT Indore. She is the author of *Migrant Identities of Creole Cosmopolitans: Transcultural Narratives of Contemporary Postcoloniality* (Peter Lang Publishing, 2014) and *Remapping the Postcolonial Canon: Remap, Reimagine, Retranslate* (Palgrave Macmillan, 2017). The Digital Humanities Research students at IIT Indore she supervises work on exciting projects that include developing Partition Archives, and a Multilingual Database Development Project, among others. The Digital Humanities Group is also the Coordinator of KSHIP- An Open Access Multilingual Publishing Project initiated at IIT Indore and will soon be publishing the first ever Multilingual Volume of Electronic Literature from India.

Dr. Mark Jackson, University of Bristol

Re-thinking the questions of difference and critique: towards ecologies of care in the work of thought

The discursive apparatus of postcolonial critique has long articulated itself within and across grammars of difference. Some of postcoloniality's central questions resolve around the navigation of difference, its translations, and the ethico-political imperatives to analyse, reflexively, the differences the question of difference makes to critical thought and action. Difference and critique emerge, however, for what has become orthodox postcolonial criticism, from a discursive tradition that frames both the question of difference, and the subsequent question of critically navigating a responsibility to difference, from a representationalist epistemic practice. Recent work in the social sciences and humanities suggests, however, that this normative tradition limits the capacities of postcolonial criticism, in particular its ethico-political justifications, to adapt to the plural demands of entangled lifeworlds. Drawing from new interdisciplinary work in anthropology, human geography, bio-semiotics, indigenous studies, environmental humanities, and political ecology, this presentation will argue for the need to re-think epistemic questions of postcolonial difference and critique, and specifically their ethico-political significance, in light of ontologies of radical inter-dependence. Instead of reflexively negotiating the limits of the sayable qua criticism, the paper will argue for how care, rather than agonism, is the constitutive ground for thinking about, and with, postcolonial difference. The presentation argued that critique transform from reflection on ineluctable conceptual limits into practices of mutuality. It concluded by exploring examples of mutuality that practice care as a form of critique open to vulnerability and affirmative resilience.



Dr. Mark Jackson is Senior Lecturer in Postcolonial Geographies, School of Geographical Sciences at the University of Bristol, UK, and editor of Routledge Research in New Postcolonialisms series. His recent book includes an edited volume *Coloniality, Ontology, and the Question of the Posthuman*, Routledge, 2017.



Program:

9:45-10:30 **Prof. Nirmala Menon From Canon to Code: Decolonizing Digital Humanities- A Scholarly Publishing Perspective**

10:30-10:45 Discussion

11:00-11:45 **Dr. Mark Jackson Re-thinking the questions of difference and critique: towards ecologies of care in the work of thought**

11:45-12:00 Discussion

The seminars offered insights into the nodal points of global decolonizing processes as seen from the perspective of digital humanities and posthumanism/ecocritical thought. Bringing digital humanities and ecocriticism/posthumanism into the postcolonial framework, the two invited speakers examined the new opportunities for a critical intervention into postcolonial paradigms enhanced by cultural and literary translation studies, comparative literature, decolonial studies, political ontology and ecology, and posthumanism in general. The lectures were followed by workshops and discussions on the possibilities of digital publishing and on the potential of human geography to discover local histories of places and rewrite them so as to show their links to geopolitics or to many other apparently separate, but related topographies of modernist urban thought, state's biopolitics and so on.

The Seminar was financed by the grant provided by Riksbankens Jubileumsfond.

Lecture by Prof. Herta Flor – 29 November, 2018

On 29th October, 2018 Academia Europaea Wrocław Knowledge Hub and the Institute of Psychology, University of Wrocław co-organized a lecture of Prof. Herta Flor, Member of Academia Europaea (Department of Cognitive and Clinical Neuroscience, Central Institute of Mental Health, Medical Faculty Mannheim, Heidelberg University), titled: *From Acute to Chronic Pain: the Role of Learning and Cerebral Plasticity*.

Short abstract of the lecture:

The transition from acute to chronic pain is characterized by a shift from nociceptive brain circuits to those involved in emotion, motivation, and learning¹. Maladaptive changes in these brain circuits can be induced by associative and non-associative mainly implicit learning processes such as sensitization, operant and respondent conditioning and priming. It is suggested that different concepts of chronicity may have a common psychobiological basis in maladaptive learning and plasticity processes². Treatments should target these shifts in brain circuits and include both behavioral and pharmacological treatment options. Examples are exposure and extinction training, sensory discrimination training, mirror treatment, virtual reality applications, brain-computer interfaces as well as combinations of these treatments with pharmacological interventions.

References:

Kuner, R., & Flor, H., (2017). Structural plasticity and reorganisation in chronic pain. *Nature Reviews Neuroscience*, 18, 20-30.

Flor, H. (2017). Pain has an element of blank – a biobehavioral approach to chronicity. *Pain*, 158, Suppl.1: S92-S96.

Workshop „Media culture as public good and a lever of sustainability” – 12 December, 2018

On 12 December 2018, the Institute of Journalism and Social Communication hosted an international scientific conference entitled *Media as Public Good and a Lever of Sustainability*, co-organized by the Institute, Academia Europaea Wrocław Knowledge Hub, and the Film, and Media and Audiovisual Studies Section of the Academia Europaea.

The conference was attended by scientists from the United Kingdom, Denmark, Germany, Sweden, Russia and Poland. The meeting was inaugurated by Prof. Arkadiusz Lewicki (Director of the Institute), Prof. Arkadiusz Wójs (Academic Director of the Academia Europaea Wrocław Knowledge Hub), and Prof. Kirsten Drotner (Chair of the Section).

Among the speakers were: Prof. Graham Murdock, Prof. Göran Bolin, Prof. Johan Fornäs, Prof. Beata Katarzyna Ociepka, Prof. Mirosław Filiciak, Prof. Kirsten Drotner, Prof. Ilya Kiriya, Prof. Maren Hartman, Prof. Dorota Piontek. An audio-video recording is still available on the website: <https://vimeo.com/album/5619627>.

INSTYTUT PSYCHOLOGII UW
I ACADEMIA EUROPAEA
WROCLAW KNOWLEDGE HUB
ZAPARASZAJA NA WYKLAD:



FROM ACUTE TO
CHRONIC PAIN:
THE ROLE OF LEARNING
AND CEREBRAL PLASTICITY
* wykład będzie tłumaczony

PROFESOR HERTA FLOR
ŚWIATOWEJ SŁAWY NEUROPSYCHOLOG

KIEDY: 29 LISTOPADA (CZWARTEK), 2018, START: 17:00

GDZIE: AULA INSTYTUTU PSYCHOLOGII UW, UL. J. WŁ. DAWIDA 1

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The conference met with great and lively interest of the audience. Both researchers and students took part in subsequent discussions. Below we present selected statements of the students participating in the event:

„(...) the conference was a rewarding experience. It was a great pleasure to listen to speakers from all over the world. It has developed my thinking to be able to see the media in other ways. Media as public good seems hard to achieve nowadays. To obtain and sustain it, we need to discuss the subject worldwide. In my opinion, the new generation needs to be aware of the importance of democracy, freedom of thought, perception management, etc. We need to build networks between people, not between profiles. This conference helped me start to think about different subjects from various perspectives” Selin Karaibrahimoglu

“(...) We live in an era of fake news and omnipresent misinformation. Therefore, it is our duty to bring up a new well-balanced way to keep media as service for good and prosperity, and not to disrupt the ecological system by advertising fast-moving consumer goods. Together we ensure that media practices serve a tool for interaction between people in all areas of the world. Nevertheless, we question if mediated interaction enhances efficient communication between people that serve as a tool for sustainability?” Yulduz Rashidova

“(...) prof. Graham Murdock talked about the importance use of natural resources. For instance, he said: “natural resources have rights as well and they cannot be used however we please”. He changed my point of view on this subject; without a doubt, we must be more conscious of our natural resources and how we decide to make the best of them. Additionally, media is a powerful tool that we can use to bring more awareness to everyone who has access to it. (...) We need to be more respectful of mother Earth and try our best to not contribute in a negative way and try as hard as possible to be considerate of our actions”, Paola Morales

“There are many problems with current media and the world overall, but how can we tackle these problems? I think that media has become a resource of social sustainability, but it depends what we do with it that will make a difference. The main goal is communication, because, as prof. Göran Bolin said, "society lives in communication, and not by it". By looking into the basics of human needs, foundations of well-being, and opportunity, we will find that in the end, media as a communicative resource, needs to be considered a common good and being able to identify problems will not be enough. Media is one of the main components to social progress and it needs to be recognized as a public good”, Teah Major

„(...) we should work on changing things for our own benefit, we should seek solutions to these problems. There is nothing in the whole world that we cannot solve by using communication. And we should not hide behind excuses and most importantly awareness is the main thing we should focus on”, Burcu Sevinc

Workshop with Prof. Johan Fornäs: Towards development of the mediatization research II. – 13.12.2018 r.

On December 13, 2018, the Institute of Journalism and Social Communication and the Europaea Wrocław Knowledge Hub Academy held a specialization seminar *Towards development of the mediatization research II*, which this year was led by Prof. Johan Fornäs from Södertörn University.

In his academic work Prof. Johan Fornäs deals, among others, with the issues of media culture. His interdisciplinary research is based mainly on hermeneutical interpretation, discourse analysis and media ethnography. He is graduated in mathematics, philosophy, musicology and experienced in cultural and media research. He has worked at Göteborg University, Stockholm University, Catholic University of Leuven, Linköping University, National Institute for Working Life in Norrköping and Linköping University. He is the author of among others: *Defending culture: Conceptual foundations and contemporary debate* (Palgrave Macmillan, 2017), *Signifying Europe* (Intellect, 2012) and *Cultural theory and late modernity* (Sage, 1995).

The meeting was of a closed-ended and workshop character, the introduction to which was a lecture by an invited expert. This year's theme was the cultural aspects of mediatization. The meeting was attended by researchers representing universities from Great Britain, Sweden, Poland, Russia, Croatia and Kazakhstan.

The idea of the seminars is based on the intensive work on materials previously provided by the participants: research results, research projects, works in progress, articles, dissertations. The dominant part of the meeting is devoted to discussions and consultations. We encourage you to familiarize yourself with the attached program and photos made during the event (by Wojciech Duszyński)



Annual AE Conference – Barcelona, 27-29 November, 2018

During the Annual Conference AE Wrocław Hub presented its activities and plans during the General Assembly meeting. All its initiatives were accepted and further events were planned accordingly to the Board decisions.

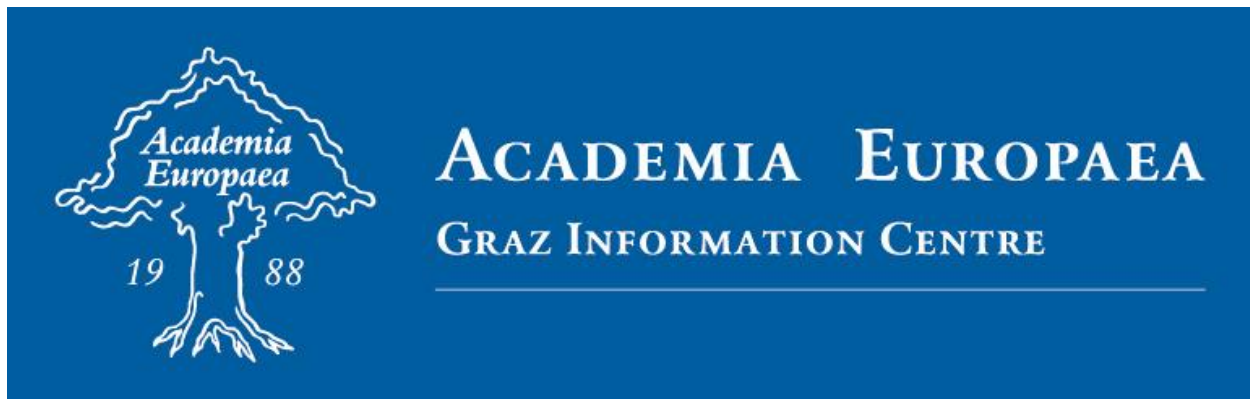
Administrative support to two Classes of AE: A1, A2

The Wrocław hub supports two Classes of AE – A1 Humanities and A2 Social Sciences. Agnieszka Szymerowska from Wrocław Hub took part in A2 Class meeting in Uppsala, Sweden, 3-4 July 2018, Katarzyna Majkowska from Wrocław Hub took part in A1 Class meetings Paris, France, on 2 July, 2018), where the nomination cycle was finalized.



Promotional materials

In 2017 the Hub helped with creating business cards of the Board Members, updated the AE Directory, printed a new batch of folders, created and sent welcome packs for New Members of Academia Europaea.



Introduction

Academia Europae Graz Information Centre was established in 2010 in an effort to increase the visibility of the Academy and its members. The Graz Information Centre is also responsible for the development and application of the nomination system and membership administration and registration. The AE-Info Server (<http://www.ae-info.org>, <http://www.acadeuro.org>) is hosted and operated by ISDS (Institute of Interactive Systems and Data Science), Graz University of Technology.

Website Tasks

- Web presentation of the Academy
- Presentations of the members of the Academy and their achievements
- Presentations of the individual sections of the Academy

Activities 2018

- 1182 pages edited
- 1090 documents uploaded
- 41 news items posted
- 55 events, activities and publications posted and edited
- Generation and posting of membership statistics
- Management and upload of administrative pages (board meeting documents, council meeting documents, AGM documents, etc.)
- Creation of new website areas/(re)structuring of existing website areas
- Changes and improvements of navigation functionalities
- Support of Wroclaw staff concerning editing, contact data, statistics, mail lists etc.
- Support of Cardiff staff concerning editing, contact data, statistics, mail lists etc.
- Adjustments of the AE-Info website user interface according to suggestions of the AE publications and communications group
- Support and advice to the AE publications and communications group in the process of improving the design, usage and visibility of the AE-Info website
- Updating of information regarding user statistics of the AE-Info website

Activities to guarantee “GDPR” compliance

After some years of preparation and debate the GDPR was finally approved by the EU Parliament (April 2016) and enforced on 25 May 2018. The extensions and adaptations of the AE Info Server (website and backend services) to guarantee GDPR compliance includes the following features:

- Extension of the AE-Info Database to support GDPR specific ("Consent") information
- Extending the "admin application" to support administration of the GDPR specific information in the AE-Info Database
- Adaptation of the acceptance procedure to support GDPR specific ("Consent") information
- Adaptation of the export functionality to support GDPR specific ("Consent") information
- Displaying a "Cookie-Banner" when accessing the ae-info website for the first time
- Development of a web application for sending emails to all members of AE with personalized links to GDPR declaration and GDPR consent web form
- Development of a web application to support the "GDPR consent" web form

Database (technical part)

The Graz Information Centre maintains and develops the membership database of the Academy.

Activities 2018

- Adaptation and extension of the database web application for administration of database
- Support of new fields by the administration tool. The following services for the AE-Info Server maintenance team are now provided:
 - Search for and retrieval of information (database content) of members of the Academy
 - Features to correct and update all specific information which is stored in the member database (e.g. address information, email address, phone numbers, etc)
 - Functions to export member information from the database and to download it to the local filesystem (for storage csv file format will be used)
- GDPR specific ("Consent") information
 - Extension of the admin application to support the administration of the GDPR specific information in the AE-Info Database
 - Adaptation of the export functionality to support GDPR specific ("Consent") information
- Extension of search facilities

Database (content)

The Graz Information Centre updates and administers the membership database of the Academy.

Activities 2018

- Registration of changes in contact data information
- Search for contact data of unreachable members
- Registration of deaths
 - 31 deaths from 2018 registered
 - 52 deaths from previous years registered
 - Search for deceased members
- Generation and provision of mail lists for section chairs
- Supply of membership information for section chairs
- Regular database updates sent to London and Wroclaw

Nomination Process

The electronic “nomination” and “acceptance” workflows operated by the Graz Information Centre support the nomination and acceptance procedures.

Activities 2018

- Adaptation of the nomination/acceptance forms:
 - Change of sections
 - Adaptation of the acceptance procedure to support GDPR specific ("Consent") information
- Assistance to members concerning the filling in of the nomination files
- 302 nominations registered
- Upload of nominations to the website, update and administration of access rights
- Electronic notification to class and section chairs
- Administration of section assessments
- Mails to 253 elected members
- 235 new members registered within 2 months after first contact
- Editing of 235 member pages, upload of photos
- Mails to non-respondents
- Administration of acceptances

Technical Support

The Graz Information Centre hosts the AE-Info server.

Activities 2018

- Control and tests of server
- Improvement of backup strategies for the AE-Info website (setup of a standby backup system)
- Continuous maintenance and update of the server operating system and database management system
- Implementation of a "watchdog system" for monitoring the correct operation of the AE-Info server
- Access to the AE-Info website only possible via secure, encrypted communication (https protocol)

Twitter

The Twitter account of the Academy was created in 2015.

Activities 2018

- 613 followers by 2018
- 39 tweets posted, re-tweets from Cardiff and Barcelona

Meetings and Conferences

In 2018, the members of the Graz Information Centre, Robert Hoffmann, Dana Kaiser and Helmut Leitner took part in the following meetings:

- Hub Meeting in Barcelona: 28.11.2018. At this meeting, representatives of all AE hubs (Barcelona, Bergen, Cardiff, Wroclaw) and the Graz Information Centre met. The following topics were discussed and presented:
 - Strategies, tasks and challenges of the individual hubs
 - Improvement of cooperation between the individual hubs and the Graz Information Centre
- 30th Annual Conference of the Academia Europaea (AE) and 7th of the Young Academy of Europe (YAE) ("Building Bridges 2018"): 28.11.2018 – 29.11.2018. Dana Kaiser and Helmut Leitner attended the "Annual Business Meeting and the Welcome to New Members" held at the Institute for Catalan Studies as well as the multidisciplinary "Building Bridges 2018 Scientific Dissemination Event" taking place at CosmoCaixa; we used the opportunity to discuss with class and section chairs and AE members the AE web activities and administration issues.

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