

**CONSOLIDATED ANNUAL ACTIVITIES
REPORT**

FOR 2014



'The Academy of Europe'
Registered office
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**Company limited by Guarantee and registered at Companies
House. Registration number 7028223
Registered with the Charity Commission, registration number
1133902**

THE TRUSTEES, AND COUNCIL OF THE ACADEMIA EUROPAEA

Board of TRUSTEES (at 31 December 2014)

President:	Professor Sierd Cloetingh <i>Professor Lars Walløe</i>	Utrecht, (elected June 2014) Oslo (<i>till AGM July 2014</i>)
Vice President:	Professor Anne Buttimer election)	Dublin, (till 2015 eligible for re-
Vice President:	<i>Professor Sierd Cloetingh</i>	(<i>till AGM 2014</i>)
Hon. Treasurer: (from January 2010)	Professor Sir Roger Elliott	Oxford, (till 2015)
Co-opted Members:	<i>Professor Jerzy Langer</i> <i>Professor Andreu Mas Colell</i> Professor Theo D'haen Professor Ole Petersen Professor Hermann Maurer	<i>Warsaw (resigned April 2014)</i> <i>Barcelona (resigned June 2014)</i> Leuven, (till 2015) Cardiff, (till 2015) Graz, (till end 2015)
Appointed by Council:	Professor Balazs Gulyas Professor Don Dingwell Professor Svend Erik Larsen	Stockholm, (re-appointed, AGM 2013 – Dec. 2016) Munich, (appointed, Jan 2014, eligible for re-appointment) Copenhagen, (appointed, Jan. 2014, eligible for re-appointment)

At the time of writing this report, the number of independent members 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 2014, is at annex 1a of this report. Three members of the Council are nominated to the Board of Trustees. Prof. Petersen serves as chair of the Nominations subcommittee. Prof. D'Haen is the Editor-in-Chief of the European Review. Prof. Maurer is without portfolio. Independent members of the nominations sub Committee during 2014 are listed at Annex 1b. At the AGM of 2014, members noted the Trustees' decision to re-structure the nominations process during 2015.

The composition of the Council as at 31st December 2014 is at annex 1a.

With the election of a new President: The Board agreed to delay election of a replacement Vice president, in order to undertake a review of the Board structure and the nominations processes. The Trustees will propose any necessary amendments to the Regulations at the AGM of 2015, prior to any further appointments or elections.

London General Secretariat

Executive Secretary: Dr David Coates
Senior Administrator: Ms Teresa McGovern
Accounts and payroll: outsourced to Keith Vaudrey Ltd.
Membership Secretary: Function assumed by the Wroclaw office
Membership administration and database outsourced: Technical University of Graz, Contact is Mrs Dana Kaiser

The Executive Secretary is the Chief Executive Officer 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 will re-locate in March 2015 to; Room 251, Senate House, University of London, Malet Street. London WC1E 7HU

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

Administrators: Dr Ola Nowak and Ms Kasia Majkowska

Barcelona Hub (www.barcelona.acadeuro.org)

Academic Director: Professor Genoveva Marti (until June 2014), from June 2014 Professor Ricard Guerrero. Hub Manager: Dr Núria Radó Administrator: Dr Aldara Cervera

Bergen Hub (<http://acadeuro.b.uib.no/>)

In May 2014, the Trustees signed an agreement with the Business Region Bergen (Hordaland, Norway) to establish a regional hub office. Academic Director: Professor Jan Vaagen (Deputy, Prof. Laszlo Csernai). Office manager: Mr Vidar Totland.

Graz data Centre. Responsible (under contract) for delivery, support, development and content management of the AE corporate website (ae-info.org) . 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.

Auditors

Keith-Vaudrey & Co
Chartered Accountants
First Floor, 15 Young St.
London W8 5EH

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

ACADEMIA EUROPAEA

The structure 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 7028223). see

<http://wck2.companieshouse.gov.uk/9ceed4107ba5ab162ec02ea230aa9ce4/compdetails>).

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

see [http://www.charity-](http://www.charity-commission.gov.uk/ShowCharity/RegisteredCharities/CharityFramework.aspx?RegisteredCharityNumber=1133902&SubsidiaryNumber=0)

[commission.gov.uk/ShowCharity/RegisteredCharities/CharityFramework.aspx?RegisteredCharityNumber=1133902&SubsidiaryNumber=0](http://www.charity-commission.gov.uk/ShowCharity/RegisteredCharities/CharityFramework.aspx?RegisteredCharityNumber=1133902&SubsidiaryNumber=0))

Governance and management

The affairs of the Academia Europaea are managed by a Board of Trustees. There is 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 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.

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

Trustees' report for the period ended 31 December 2014

The Trustees would like to thank all of the organisations that have sustained the Academia through their generous general financial sponsorships and those 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 accounts and have been associated 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 has attended every Board (and the annual Advisory Council) meeting. Trustees were active in monitoring the affairs of the Academy and with respect to the financial management 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 those Trustees who stepped down during the period of this report (Professors Langer, Emmer, Ferrini, Mas-Colell and Walløe). This reporting period was carried out against the background of continuing financial pressures associated in particular, with the economic situation across the European continent. The Board were however pleased to see continuing progress towards a stabilising of the financial position of the Academy especially through improved member contributions, new core support and continuing external sponsorship of projects and activities. The Trustees wishes to acknowledge the successful conclusion of the implementation of a Riksbankens Jubileumsfond's five-year grant and the securing of a new grant for Wroclaw summer schools, to The Heinz Nixdorf Foundation for the renewal of sponsorship of the Erasmus Lecture and specific thanks to the authorities of the Technical University of Graz for their dedicated support. The Trustees regard this development as a cornerstone to the delivery of the objectives of the Academia into the future. Further financial support was gained for new initiatives to be operated out of the Hubs. That future will see an extension of the capacity and reach of the activities of the Academia. The "Knowledge Hub" facility, based in Wroclaw, Poland (formed in December 2011), aided by the generous support of the City authorities and the Mayor, works closely with the Graz team and the London office on issues relating to new members and have undertaking the organisation of an increasing number of regional Activities and externally sponsored events, described in detail elsewhere in this report. The Regional Hub in Barcelona has hosted a second public "Disputatio" debate and delivered a successful annual conference of the Academy and other activities. The Trustees would like to thank Prof. Mas-Colell who retired from the Board during 2014 for his immense support and guidance and Prof. Genoveva Marti (the Hub Academic Director), who stepped down after the conclusion of the annual meeting. The Trustees were pleased to sign an agreement with the City, the University and the regional authorities of Bergen, Norway to establish a third regional Hub. That Hub will focus on the Northern Dimension, Arctic issues and the Nordic model. The Trustees are pleased to report a further widening of the membership of the Academia Europaea with the election and invitation in 2014 of 230 scholars. The Trustees also continued to support the development of the Young Academy of Europe. The Trustees continue to recognise the difficult economic circumstances and are pleased to report that the Hubs are fully financed with local support and were not reliant on core financial support from central funds for their day-to-day operations. Finally in this period, negotiations were opened up for the development of a fourth regional centre, to be based in Cardiff, Wales with a focus on European Life sciences and the maritime Atlantic region.

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

Public benefit statement

Over the year the Academia has published articles and papers in commercial journals; organised academic meetings and conferences that are open to young scholars and the interested public. 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 and launched a series of summer schools targetted at young researcher education. 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 2006. The Trustees are confident that they have complied with their duty under section 4 of the Charities Act 2006 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. In addition the Trustees will support the development of the existing hubs and will launch a fourth regional hub in Wales. The Young Academy of Europe, will continue to be supported, specifically to provide a focus to engage with and support young researchers from across Europe, who are embarking on an academic and research career. The AE engagement in European Science policy advice will be strengthened.

Activities during the period, 1 January 2014 – 31 December 2014

Generous donations by a number of Foundations and sponsoring organisations enabled the Board to continue to support a range of specific activities. The Trustees are pleased to report that during the year, the Academia organised and collaborated on a number of major conferences and general meetings and continued to develop publications and patronage/sponsorship of a wide range of activities. These are described in the following sections.

26th Annual Meeting of the Academia Europaea, July 2014.

Theme: Young Europe: realities, dilemmas and opportunities for the new generation

The 26th annual conference (16 -18 July 2014) of the Academia Europaea was held in Barcelona, under the patronage of the Regional authorities and City. The event was generously sponsored by the Cosmo Caixa Foundation, Institut d'Estudis Catalans and Catalan research Foundation. The Trustees wish to thank professor Genoveva Marti MAE and the Barcelona Hub staff and local AE members for their organisational support.

Rationale (from the local organiser and former Academic Director of the Barcelona Hub – Professor Genoveva Marti). “Our world is changing rapidly. We are facing, and we will continue to face in the near future, serious social, medical and environmental problems. The challenges will be especially felt in the forthcoming decades by the next generation. Medical issues have human, social and technological aspects. Matters of sustainability have a medical and social impact, and social questions are inextricably connected to health and environmental concerns. These problems do not belong to a single, well circumscribed discipline. They are multi-faceted, and so the solutions require transversal thinking and expertise. The medical, environmental and social realities, dilemmas and opportunities for the new generation are thus interlinked, and as such they should be tackled. That is the purpose of this conference”.

An online archive of the events and photographs can be found at this link:

<http://www.ae2014barcelona.com/>

The proceedings started on 16 July with the Annual Business Meeting of AE members (see below). This was followed in the late afternoon in the of the Institut d'Estudis Catalans, by the opening session and included speeches of welcome from; Professor Walløe, (retiring) President of the Academia Europaea, the Minister for Economy and Knowledge of the Regional Government of Catalunya Professor Andreu Mas-Colell MAE, President of the Institut D'Estudis Catalans - Sr. Joandomènec Ros, Sr. Gerard Ardanuy – Representative of the Mayor of the City of Barcelona and Prof. Dr Enric Banda MAE (Cosmo Caixa Foundation) A presentation of new members of the Academia (by Vice President Sierd Cloetingh); the award of the 2014 Burgen Scholarships to young postdoctoral researchers working in Spain and the award of the 2014 Erasmus Medal to Professor dr. Kurt Mehlhorn MAE, who then delivered the **2014 Heinz-Nixdorf Erasmus Lecture** (see below) The opening was followed by a reception in the cloister of the Institut d'Estudis Catalans.



The 2014 Erasmus Medal was awarded to the distinguished Informatician



Professor dr. Kurt Mehlhorn MAE (Max Plank Institute of Informatics)

The laudation for Professor Mehlhorn was given by **Professor dr. Jan Bergstra MAE** (Amsterdam), Chair of the INFORMATICS Section.

Citation: Computer Science has changed the world and will continue to change it. ALGORITHMS are at the core of every computer system. Kurt Mehlhorn is Europe's 'Mr. Algorithm'. His work has shaped Computer Science.

Mehlhorn has made fundamental contributions to algorithm science; data structures, computational geometry and algebra, parallel computing, VLSI design, complexity theory, combinatorial optimization and graph algorithms. His breadth is unrivalled. Algorithms, or more precisely, implementation of

algorithms in the form of programs are at the core of every computer system. Programs have to be efficient and correct (accuracy and speed of completion). These two aspects are traditionally addressed by different communities within Computer Science. Mehlhorn has brought the two together through his pioneering work with Stefan Näher in the LEDA (Library of Implementations of Efficient Data Structures and Algorithms) project (since 1989). LEDA has spawned a revolutionary development and many subsequent libraries such as the Computational Geometry Algorithms Library (CGAL) and STXXL (Standard Template Library for Very Large Data Sets). These inventions have facilitated access by outside user communities; e.g. Celera Genomics software for human genome sequencing was based on LEDA.

Professor Mehlhorn delivered his 2014 **Erasmus Lecture “Algorithms and Programs”**

<p>The 2014 Erasmus Lecture and Medal ceremony sponsored by The HNF(see this link for further information http://www.heinz-nixdorf-stiftung.de/)</p>		Heinz Nixdorf Stiftung
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For full information about the life and works of Professor Mehlhorn, go to this link (<http://www.mpi-inf.mpg.de/~mehlhorn/index.html>). . The lecture will be published in a future issue of The European Review (2015).

ABSTRACT: Informatics (Computer Science) has changed the world and will continue to change it. Information technology affects all aspects of our lives; how we communicate, work, search, play, produce, manage, etc. Algorithms and data structures are the core of any computer system.

Algorithms and their implementation as programs should be correct and efficient, i.e., they should actually solve the problem they are supposed to solve and do so in short time. Incorrect algorithms can cause considerable damage, inefficient algorithms only cost money. In this talk, I will introduce the audience to the design and analysis of efficient algorithms and techniques for converting algorithms into correct programs. I will also discuss universal laws governing computation.

I hope that my talk will provide the audience with a sense of the intellectual depth, beauty, and fascination of Informatics.

The 2014 Burgen Scholars

The ‘**Burgen Scholarships**’, are named in honour of our founding President and honorary Life President – Professor Sir Arnold Burgen MAE.

The scholarships provide recognition to younger European scholars at the post-doctoral level, who are emerging talents and potential future leaders in their field. Recipients may or may not yet have an established position.

The nomination of candidates is a task given to the members of the Academia resident in the country that is hosting the annual meeting.

Up to ten awards are made. The awards cover the costs of attendance and participation in the Annual Conference (travel, accommodation and registration fees). Scholars deliver an oral biography of their research interests and a poster [see [link for posters](#):].

The Burgen Scholarship award is marked by a citation and presentation of a certificate to the successful candidates. **Book prizes were donated by The Cambridge University Press.**

A local committee of Academia members who are responsible for the organisation of the Annual Conference make the final selection of the list of Burgen scholars from amongst those nominated by their fellow national members of the Academia Europaea.

The 2014 scholars were:

Isabelle Anguelovski. Urban Planning and Environmental Studies. Social scientist trained in urban and environmental planning (PhD, MIT, 2011), whose research is situated at the intersection of urban planning and policy, social inequality, and development studies. She also graduated with a Bachelor’s Degree in Political Studies from Science Po Lille (2000) and obtained a Master’s in International Development at the Université de Paris-1 Sorbonne (2001). In addition, she pursued a Graduate Certificate in Non Profit Management at Harvard University (2004). Isabelle considers herself as a scholar activist who took several positions in international

NGOs before starting her PhD in 2006. She spent 10 years in the US before returning to Europe – to the Universitat Autònoma de Barcelona in 2011 – where she is now a Senior Researcher and Principal Investigator.

Almudena Fuster Matanzo - Neurobiology. I got the P.h.D degree in December 2011. From that moment, I have been working as a postdoctoral fellow in Prof. Jesús Ávila's laboratory sponsored by a contract from CIBERNED ("Centro de investigación biomédica en red de enfermedades neurodegenerativas").

David Hernández de la Fuente - Ancient Greek History; Ancient Greek Civilization.

PhD in Classical Studies, PhD in Sociology, BA in Classical Philology, Hispanic Philology and Law. He has been Predoctoral Fellow at Universidad Complutense de Madrid (2000-2004), Postdoctoral Fellow at Universidad Carlos III de Madrid (2005-2009) and Humboldt Fellow at Universität Potsdam (2009-2011). From 2011 he is Assistant Professor at the Department of Ancient History of UNED (Madrid). He has been visiting scholar or lecturer at Columbia University, Università di Firenze, CNRS (Paris), Akademie der Wissenschaften (Berlin), Université Paris-X Nanterre, Freie Universität Berlin, etc. He has received awards such as the "Pastor" Prize for Classical Studies (2005) to his dissertation in Classical Philology (Universidad Complutense) and several prestigious grants –"Juan de la Cierva" (2005), "Jose Castillejo" (2007), "Alexander von Humboldt" (2009), "Ramón y Cajal" (2011), "Beatriz Pinós" (2011), etc.–; he has led, as principal investigator, numerous research projects with public funding. He holds the positions of Coordinator of the Research Centre on Late Antiquity at UNED Segovia, Deputy Director of the Research Group Barbaricum at Complutense University and Deputy Director of the Research Group Koinonia at UNED.

More information at http://portal.uned.es/portal/page?_pageid=93.24633958&_dad=portal&_schema=PORTAL

Inmaculada Hoyos Sánchez - Modern and Ancient philosophy

PhD in Philosophy at the University of Grenade (2011), with a dissertation in which she examined the naturalism and the theory of passions in Spinoza's thought. She has published numerous articles in Spanish and Italian journals, and participated in many international conferences and seminars. She has been a member of different collaborative research projects, which have dealt with the idea of philosophy as social therapy, the challenges of nihilism, and the role of reason and passions in the conflict of values. She has been visiting researcher at the University of Pisa (2007), Paris I- Panthéon Sorbonne (2008) and the École Normale Supérieure de Lyon (2009). She is currently a postdoctoral researcher at the Centre Léon Robin des Recherches sur la Pensée Antique. CNRS- Université Paris IV Sorbonne - École Normale Supérieure de Paris.

Hug March - Urban Political Ecology, Water Management, Geography

Earned a doctoral degree in Environmental Sciences at the Universitat Autònoma de Barcelona (UAB) in 2010 with the thesis "Urban Water Management and Market Environmentalism: A Historical Perspective for Barcelona and Madrid" under the supervision of Prof. David Saurí (Department of Geography, UAB). Hug March has been PhD student in the Department of Geography, at Universitat Autònoma de Barcelona, from 2006-2009, with a scholarship from the Catalan Government. During this period he was visiting PhD student at the School of Environment and Development of the University of Manchester (2007-2008, 5 months), under the supervision of Prof. Maria Kaika (Geography). After obtaining his doctoral degree he was involved in the European project ESPON Climate Change and Territorial Effects on Regional and Local Economies at the Department of Geography (UAB). He has been a postdoctoral fellow at Géosciences Environnement Toulouse (Université de Toulouse, CNRS, IRD)/Institut National de la Recherche Agronomique (INRA) in the context of the MAELIA project (RTRA STAE Toulouse). In 2012 he became a postdoctoral research fellow at Internet Interdisciplinary Institute (IN3), Universitat Oberta de Catalunya (UOC) (Barcelona, Spain), with a Juan de la Cierva contract.

Silvia Pellicer-Ortín - Contemporary British Literature

Is a Lecturer at the Department of English and German Philology at the Faculty of Education of the University of Zaragoza (Spain). Before finishing her PhD thesis, Silvia Pellicer-Ortín was a Research Fellow at the Department of English and German Philology since January 2008 to December 2011, after obtaining a four-year national competitive fellowship (FPU) financed by the Spanish Ministry of Education and Science in 2008. Silvia graduated in English Philology at the University of Zaragoza in June 2007, for which she was awarded the Extraordinary Degree Award in March 2009. In September 2008 she obtained the Master's degree in Textual and Cultural Studies in English after defending with honours the MA thesis entitled: "Intertextuality and the Working Through of Trauma in Eva Fíges' Tales of Innocence and Experience". And in March 2012 she defended with cum laude her PhD thesis (European Doctorate) on the work of the British-Jewish writer Eva Fíges, for which she was awarded the Extraordinary PhD Award of the University of Zaragoza in March 2013. Silvia belongs to the 'Excellent' Research Team 'Contemporary Narrative in English' led by Prof. Susana Onega, and she has also been a Visiting Scholar at the Universities of Edinburgh, Cambridge and Reading (UK).

Alexandre Ponrouch - Chemical Sciences

Is a postdoctoral associate at the Institut de Ciència de Materials de Barcelona (Spain). Prior to joining ICMAB in 2010, He received his M.Sc. degree in Electrochemical Processes from the University Paul Sabatier (France) in 2005, and his Ph.D. in Energy and Materials Science at the Institut national de la Recherche Scientifique (Canada) in 2009.

David Sánchez Ruenes - Computer Science

Is a temporal Associate Professor of Computer Science at the Universitat Rovira i Virgili, where he belongs to the CRISES Research Group, which holds the UNESCO Chair in Data Privacy. He received his B. Sc. and M. Sc. degrees in Computer Science from the Universitat Rovira i Virgili in 2001 and 2003 (both with Outstanding Graduation Award) and a Ph. D. degree in Computer Science in 2008 from the Polytechnic University of Catalonia (Cum laude). He was a senior researcher in the K4Care European Research project in 2008 and an invited researcher at the Ecole Nationale Supérieure des Mines d'Alès (France) in 2013. He has participated in 4 European research projects and 6 national ones, and has been member of the organising committee of two international conferences. He has authored over 90 publications, including 40 in high quality journals, and has received awards to the best paper and innovation in two international conferences. His h-index is 20.

Victor Sebastian Cabeza – Nanotechnology

Obtained his Bachelor of Engineering in Chemical Engineering at the University of Zaragoza in 2002. After graduation, he collaborated in several research projects, discovering how attractive the Science could be and his motivation for a career in Scientific Research. Between 2004 and 2008, he was awarded with a PhD scholarship from the Educational and Culture Ministry of Spanish Government. In that period he worked at the Chemical and Environmental Engineering Department of the University of Zaragoza. During the PhD stage, he enjoyed research stays at the University of Aveiro (Portugal), SINTEF-Oslo (Norway) and Mainz Institute of Microtechnology-IMM(Germany). He obtained his PhD in Chemical Engineering in 2008 under the supervision of Prof. Jesus Santamaria, Prof. Joaquin Coronas and Dr. Reyes Mallada, receiving the best PhD student award in Engineering at the University of Zaragoza. During 2008, he was involved as a researcher in a European Project in collaboration of the European Membrane Institute (IEM)-CNRS (France), University of Zaragoza (Spain), and Hyflux-Ceparation (The Netherlands). In 2009 he was awarded by the Bureau of Educational and Culture Affairs of the Unites States and the Fulbright Board, with a prestigious Fulbright Scholarship to explore new nanotechnology concepts at the Massachusetts Institute of Technology, in the Chemical Engineering Department (USA), under the supervision of Prof. Klavs F. Jensen. After the MIT Postdoctoral stage (2011), he gain and Assistant Professor position at the Chemical and Environmental Engineering Department of the University of Zaragoza (Spain). At present, he balances research and teaching duties. His teaching scope comprises graduate and master courses. He is also following a wide variety of courses about "teaching methodologies" to improve his teaching skills.

Pedro Serna Merino – Chemistry

Received his Ph.D. in Chemistry in 2008 at the Instituto de Tecnología Química (ITQ). In 2009, he moved to the University of California-Davis as a postdoc, granted with a Marie Curie fellowship. In 2012, he joined ITQ and got a Ramon y Cajal research contract from the Spanish government. Dr. Serna has released over 35 publications in top-ranked scientific journals such as Science, Nature Protocols, Journal of the American Chemical Society or Angewandte Chemie, and is the co-author of 4 patents. His main areas of expertise are catalysis, nanotechnology and spectroscopy. These works have been cited over 1200 times in less than 10 years. Several organizations have recognized the impact of these investigations: Spanish Catalysis Society (Best Thesis 2008), by the company Lilly (V Lilly Awards) and by the Polytechnic University of Valencia (Best Thesis 2008).

The Trustees wish to thank all of the individual external sponsors of the 26th annual conference as follows:



Generalitat de Catalunya
Government
of Catalonia



"la Caixa" Foundation

CAMBRIDGE

JOURNALS



Institut
d'Estudis
Catalans



26th annual conference programme sessions

Conference sessions

Thursday 17 July and Friday 18 July

Venue: CosmoCaixa

Block A: Medical and Health Breakthroughs. Thursday 17 July, morning

Block B: Social Issues and Opportunities. Thursday 17 July, afternoon

Block C: Environment and Sustainability. Friday 18 July, morning

Speakers:

Block A: Medical and Health Breakthroughs

Keynote address by **Nubia Muñoz**, International Agency for Research on Cancer (Lyon)

Human papillomavirus in the etiology and prevention of genital cancers

CHAIR: Ricard Guerrero (MAE), Institut d'Estudis Catalans

SESSION 1

Marianne Thoresen (MAE), University of Bristol **Protecting the newborn brain**

Gentiana Wenzel (MYAE), University Hospital of Saarland **Light activates the hearing organ**

Mara Dierssen, Centre for Genomic Regulation (Barcelona) **Brain plasticity: the quest for a limitless mind?**

CHAIR: Lars Walløe (President of the Academia Europaea), University of Oslo

SESSION 2

Esteban Domingo (MAE), CBM Severo Ochoa (Madrid) **Viral quasispecies and lethal mutagenesis**

Jesús Santamaría, University of Zaragoza **Controlled drug delivery using nanotechnology. A change of paradigm in therapy**

Jos van der Meer (MAE), Radboud University Nijmegen Medical Centre **The antimicrobial resistance crisis.**

Could Europe provide light at the end of the tunnel?

CHAIR: Joan Guinovart (MAE), Institute for Research in Biomedicine

Block B: Social Issues and Opportunities

Keynote address by **Saskia Sassen** (MAE), Columbia University (New York)

Expulsions: when complex forms of knowledge produce simple brutalities

CHAIR: Salvador Giner (MAE), former IEC President

SESSION 1

Jose Mariano Gago (MAE), International Risk Governance Council **Science policy and the values of science in difficult times**

Anna Cabré, Centre for Demographic Studies (Barcelona) **Education in a global demographic perspective for the 21st century**

László Csaba (MAE), Central European University (Budapest) **Economics, education and employment**

CHAIR: Susana Onega (MAE), University of Zaragoza

SESSION 2

Maria Paradiso (MAE), University of Sannio **Euro-Mediterranean changing relationships. Narratives from engendered mobility of Muslims (migrants) women**

Tine de Moor (MYAE), Utrecht University **Cooperating for the future. The formation of citizens' collectivities**

in the perspective of Europe's past and present

CHAIR: Parvati Nair, United Nations University

Panel discussion with A.Cabré, L.Csaba, J.M.Gago, T.de Moor, M.Paradiso, S.Sassen

MODERATOR: Parvati Nair, United Nations University

Block C: Environment and Sustainability

Keynote address by **Gordon McBean**, Western University (London, Canada)

Research for global sustainability

CHAIR: Enric Banda (MAE), "la Caixa" Foundation

SESSION 1

Christian Gollier (MAE), Toulouse School of Economics **Do we do enough for the future? An economic evaluation**

Manfred Strecker, University of Potsdam **Geogovernance. Preparing for the unpredictable**

Oliver Heiri (MYAE), University of Bern **New challenges call for new approaches: an example focusing on past production of methane in lakes**

CHAIR: Montserrat Torné (MAE), ICTJA-CSIC

SESSION 2

Martin Beniston (MAE), University of Geneva **Climate change and mountain water resources: results from the European 'ACQWA' project**

Carme Torras (MAE), Inst.of Robotics & Industrial Informatics (Barcelona) **Service robots for citizens of the future**

Jeroen van den Bergh (MAE), ICREA - Autonomous University of Barcelona **The energy transition: economic aspects and effective policy**

CHAIR: Josep Domingo-Ferrer (MAE), Rovira i Virgili University

Federico Mayor Zaragoza (MAE), Fundación Cultura de Paz **Future prospects**

Friday 18 July from 16:00 to 19:30h

Venue: Institut d'Estudis Catalans (IEC)

Five Section Workshops were run in parallel.

Crystallography

2014 is the International Year of Crystallography and this workshop will contribute to its commemoration. With the participation of Donald Dingwell, Ramon Pascual, Dan Shechtman, Juan A.Hermoso, Jordi Rius and Sine Larsen.

Film, Theatre and the Political

Film and performing arts play an important role in shaping the political dimensions of culture and they affect the foundation of the political. With the participation of Svend Erik Larsen, Patrizia Lombardo, César Domínguez, Susana Onega, Marko Juvan and Jakob Ladegaard.

History of Barcelona

In the 21st century Barcelona is known as a major hub for the Mediterranean and the far-reaching hinterland and even as a pivotal link between continental Europe and the Americas, a position based on its long-lasting historical traditions. With the participation of Josep Guitart, Flocel Sabaté, Nikita Harwich Valenilla, Horst Pietschmann, Salvador Giner and Antoni Riera.

Informatics

The workshop will have two parts, the first one being devoted to **New frontiers in informatics** (NEFI), and the second one to **Big data, data science, and data analytics (BD-DSDA)**. With the participation of Carlo Ghezzi, Jordi Cortadella, Carme Torras, Mario Pérez Jiménez, Martin Golumbic, Pere Brunet, Ricardo Baeza-Yates, Veljko Milutinovic, Arnold Smeulders and Hermann Maurer.

International Migration and Social Integration – New regionalism: frontiers for new generations in a global world

The Social Sciences workshop will have a part devoted to policies, practices and attitudes towards immigrants, and new methods used in research on social segregation and integration.

The second part will be an overview of how researchers address changing borders and changing relations between regions within the same nation state. With the participation of Sture Öberg, Peter Hedström, Antoine Bailly, Jorge Gaspar and Claude Lacour.

The main programme, abstracts, biographical information for speakers and all other materials (including photographs) can be accessed from the AE website event archive (also see <http://www.ae2014barcelona.com/wp-content/uploads/2014/01/AE2014-programme.pdf>)

Following the end of the conference, an optional, whole day field excursion to the salt mountain of Cardona, was organised by the Earth and Cosmic Sciences Section. See <http://www.ae2014barcelona.com/programme/field-trip> and <http://cardonaturisme.cat/en/salt-mountain-cultural-park/>

Other 'Non-Hub' events with Academia support/patronage and participation, held during the year.

HERCuLES group events

Report on the Academia/Tsinghua University International Conference on "Humanities and Social Sciences, Globalization, and China" held in Beijing 15-17 May 2014.

Seventeen scholars from Europe, all but one members of the Academia Europaea, fifteen from universities around China, one from the United States, and one from South Korea, met at Tsinghua University, Beijing, during 15, 16 and 17 May 2014 to discuss the impact of the entry of China into the global higher education market. Topics covered broadly fell into two categories, one having to do with the organizational mechanisms and strategies, including funding, regulating research and teaching in the humanities and social sciences in Europe, China, and the US, and the other focusing on the changes wrought in the content and didactics of humanities and social sciences teaching and research around the world. From the meeting it transpired that the funding mechanisms in Europe, and especially the EU, are very different from those in China, as is the set-up of universities and university courses where the humanities and social sciences are concerned. It also became clear that whereas much of the content of humanities and social sciences courses in China is geared towards Western methods and paradigms, though not without some, and actually ever more, reflection on how Chinese, or more broadly East Asian or Asian, concepts and theories might be productively introduced in the discussion, in Europe the growing weight of China reflects itself particularly in the increasing numbers of Chinese students attending European universities, often in rather traditional humanities and social sciences subjects, which may cause problems of understanding, of comparable levels of expertise and mastery of languages and historical backgrounds, etc. Coping with the latter may either require setting up courses exclusively pitched to Chinese students, or, in the case of mixed student audiences, devising appropriate methods, often of a comparative nature, to accommodate and remedy the Chinese students' felt deficiencies in certain subjects or areas. This then entails the risk of diluting the original content, and lowering the level of instruction and knowledge or skills achieved for the "native" students. In the best cases, however, it may result in a fruitful exchange of ideas and cultural insight. Yet, achieving such a positive result often requires investment of a lot of effort and manpower, something which the receiving institutes are not always able or willing to do. A final conclusion to be drawn from the conference is that European, or Western scholars in general, and their Chinese counterparts often start from different premises as to how to talk about – especially – the humanities, and perhaps to a lesser extent the social sciences.

All-in-all the conference proved very rewarding in bringing out both, points of convergence and difference in the research and teaching in the humanities and social sciences in Europe and China, with some interesting insights also from an American and South Korean perspective. A selection of the most interesting papers will (after revision) appear in the European Review.

Recommendations resulting from the Conference are

- That more attention should be given, and in a more systematic way, to how humanities and social sciences subjects are taught to mixed student audiences, especially in European universities, and that care should be taken that sufficient manpower and preparation and follow-up time is freed up for such courses if they are to be effective.
 - That a thorough comparative study is needed of the various methodologies applied to humanities and social sciences research and teaching in different parts of the globe, and particularly in Europe/U.S. and China in view of probable future developments, and particularly the ever greater presence of Chinese students and scholars in the higher education market
 - That such a study might be carried out by members of The Hercules group of the AE in collaboration with a number of Chinese scholars, ideally along with colleagues from the US, if possible from the AAAS
- It is hoped that the recommendations outlined above will find implementation via future meetings and conferences, and the reports resulting, initiated by the AE and its Hercules group.

Respectfully submitted, 3 June 2014
Theo D'haen

The members of the HERCuLES group are grateful to the **Riksbankens Jubileumsfonds** for sponsorship of this dialogue event, out of grant (made to the Academia Europaea). The Trustees of the Academia Europaea are grateful to the authorities of **Tsinghua University** for their kind support and hospitality and especially to

Professor Wang Ning MAE, who was the key local organiser. The papers will be published in a future issue of The European Review (2015)

Programme rationale

The international higher education landscape, in terms of numbers of students, student and educator mobility, financing, volume and impact of publications, has been shifting tremendously since the onset of the most recent wave of globalization. China has emerged as perhaps the most important player in this game. If this much is clear in the field of the exact and especially the applied sciences, and in medicine, it is perhaps less evident or at least less easily charted in the humanities and social sciences. The present conference aims to do precisely that. To this purpose we will bring together a number of speakers, in first instance from China and Europe/the West, but also from other regions of the world likewise impacted by the developments just sketched, to specifically review the position of the humanities and social sciences in light of China's entry on the world higher education stage.

Speakers

Chair: Wang Ning

Welcome remarks by Vice President Xie Weihe on behalf of Tsinghua University

Remarks by Professor Erik De Corte on behalf of Academia Europaea

Remarks by Professor Liu Kang on behalf of the Institute of Arts and Humanities, Shanghai Jiao Tong University

Remarks by Professor Geoffrey Harpham on behalf of Non-European Scholars

Keynote Speech 1

Chair: Svend Erik Larsen

Theo D'Haen: Worlding The Social Sciences and Humanities

Keynote Speech 2

Chair: Liu Shisheng

Wang Ning: China in the Process of Globalization: Mainly a Cultural Perspective

Keynote Speech 3

Chair: Liu Kang

Geoffrey Harpham: Intellectual Foundations of the Modern Humanities

The role of the humanities and social sciences in higher education in Europe/the West and China: their weight and impact

Chair: Geoffrey Harpham

Wilhelm Krull: "The Integrative Capacity of the Humanities in a Globalized World"

Liu Kang: "Interests, Values, and Geopolitics: The Global Public Opinion on China"

Mauro Dorato: "Science and democracy: pluralism of theories and pluralism of opinions are not an argument in favor of relativism"

Chair: Sheng Anfeng

Zhou Xian: "Humanities' Crisis and Its Reinvention"

Jesús Mosterín: "Scholars East and West: A Comparison of the role of the Humanities in the higher education of the West and the role of the rujia scholarship in traditional China"

Youngmin Kim: "Globalization and Transcultural Convergence in the Humanities in Korea"

Funding research in the humanities and social sciences in Europe/the West and China: players, procedures, scales

Chair: Feng Zongxin

Alain Peyraube: "A comparative analysis of funding research in the humanities and social sciences in Europe and in China"

Michael North: "Funding research in the humanities and social sciences in Europe, with different foci on Western, Central and Eastern Europe?"

Chen Hongjie: Chinese Humanities under the background of "Dissemination of Western Learning to the East"

Mobility of humanities and social science researchers and teachers between Europe/the West and China: numbers, kinds, durability

Chair: Alain Peyraube

Ulrich Teichler: "The World Map of Academic Mobility and the Europe-East Asia Mobility in the HSS"

Stig Thøgersen: "Chinese Students in Europe: Research trends and case studies"

Yin Li: "Low-age Trend in the flow of Chinese students to the West: Promises and Problems"

Teaching HSS in Europe/the West and China: curricula, methods, emerging models (MOOCS, distance learning, etc.)

Chair: Ye Jun

Erik de Corte: "Improving higher education students' learning proficiency by fostering their self-regulation skills"

Sheng Anfeng: "A Discussion of the Concept of 'Intrinsic Development'" in Higher Education"

César Domínguez: 'Teaching Spanish Literature to Chinese Students in Spain in a Multilingual Environment.'

Chair: Gianvittorio Caprara

Feng Zongxin: "The Interface of Humanism and Scientificism in China's Foreign Language/Literature as a Human and Social Science"

Christoph Bode: "From Event to Node: How Nodal Structures Impact on Teaching and Research in HSS"

Cao Shunqing & Lin He: "Toward a New Theory of Comparative Literature"

Lars Engwall: "The Glocalization of Management Education"

Cross-Cultural exchanges between Europe/the West and China: what happens to European/Western humanities and social science paradigms, concepts, and methods when they "travel" to China, and vice-versa?

Chair: Ulrich Teichler

Milena Zic-Fuchs: "Inter/multi/transdisciplinarity: Bridging Differences in 'Cultures of Knowledge'"

He Chengzhou: Theorizing Intercultural Performance: An East-Asian Perspective

Ottmar Ette: "Magic Screens. Biombos, Namban Art and the Art of Globalization and Education between China, Japan, India, Spanish America and Europe in the Seventeenth and Eighteenth Centuries"

Chair: Longxi Zhang

Tao Dongfeng: "Understanding our own 'Death by Amusement': The Hijacking of a Western Cultural Theory in China"

Wim Blockmans: "The contextualisation of translation"

Ye Jun: "Traveling Theory or Kiao-ling of Ideas: A Focus on Georg Lukács, Lucien Goldmann and Raymond Henry Williams"

Academia Europaea outreach.

Over the year, the President and members of the Board 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 Charitable Foundations and past and future sponsors of the Academia on the relationship and financing of the Academia at a European level. The Trustees wish to thank in particular members of the Board and 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.

European research policy and advice

European Science Advisory Council (EASAC). Professor Brian Heap MAE, (former Trustee) stepped down as Chair of the EASAC Council. Professor Walløe represented the AE on the Council until the end of 2014 and was then replaced by Professor Don Dingwell MAE (Trustee and Chair of the Earth and Cosmic Sciences Section).

This organisation, formed by 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/>].



**European Academies
Science Advisory Council**

The Trustees would like to express thanks to: Professor Jan Vaagen (AE representative on the Energy standing panel); Professor Lars Walløe, Chair of the Environment

Panel and to Prof Peter Neumann AE nominated expert and chair of the Ecosystem services study panel for their engagement in the work of EASAC during 2014.

The Board of the AE published a number of European Science Policy statements during 2014. These are available via the AE-info website.

The President, on behalf of the Board, signed a co-operation agreement with the Presidents of ALLEA (All European Academies); FEAM (Federation of Academies of Medical Sciences); EuroCASE (The Engineering Academies' policy organisation) and EASAC. This new group will develop a co-ordinated approach to independent policy advice for the institutions of the European Union through a common Structure.

The 2014 “Russia Prizes” Scheme.

The scheme was launched in 1992, for young scientists and scholars in Russia, and now applies to young scholars under 33 years of age and with a publications record, from across the Russian Federation.

Past sponsors include: The International Science Foundation, New York (Soros); Amersham International, UK; the Rayne Foundation, London; and the Danish Physical Society. In previous years additional sponsors have been the Robert Koch Microbiological Society, Heidelberg; and Mr T Mann of Cleveland.

Professor V.P Skulachev MAE (President of the Russian Club of AE members) reports that: “ I am happy to inform you that the 2014 Contest for AE Russian Awards, designed to support young talented Russian scientists, has been successfully completed. 19 laureates out of 60, received diplomas, medals and prizes (\$ 1,000 each) at the celebration ceremony on 19 January, 2015.



Prof. Skulacvhev (centre front) and the Sponsors of the 2014 prizes (flanking) together with the 2014 Laureates

The ceremony took place in the Ceremony Hall at the 31th floor of the Moscow State University Building.

Publishing House “MAIK-Interperiodika” (Mr. N.G. Avanesov, Deputy Director) and **Rosbusinessbank** (Ms. N.V. Kocuba, Chairman of the Board) allocated \$ 9000 and \$ 10,000, respectively. This money was distributed among laureates. As to additional expenses for organization of the contest, they were kindly covered by Rosbusinessbank (\$ 3,000).



It is remarkable that **Dr. Olga Dontsova**, now a correspondent member of Russian Academy, who was an AE Russian Awards laureate in 1994, has now participated in the ceremony as the member of the Awards Committee. At the end of the ceremony the chamber orchestra of Alexandr Konstantinov gave a concert.

List of laureates:

Mathematics/Mechanics:

Mikhail V. Golub, 1982, Kuban State University, Krasnodar, «Elastic wave propagation and resonance phenomena in layered phononic crystals with damages»

Physics:

Pavel B. Sorokin, 1982, Technological Institute for Superhard and Novel Carbon Materials, «Investigation of properties of promising two-dimensional materials»

Yury G. Yushkov, 1986, Tomsk State University of Control Systems and Radio Electronics, «Generation and application of electron beams in the fore-vacuum pressure range»

Chemistry:

Sergey A. Kislenko, 1984, Joint Institute for High Temperatures RAS, «Molecular Dynamics Simulation of Interfaces and Heterogeneous Processes for Electrochemical Purposes»

Dmitry A. Medvedev, 1986, Institute of High Temperature Electrochemistry, Yekaterinburg, «New optimized materials for Solid Oxide Electrochemical Devices and Hydrogen Utilization»

Ekaterina Y. Safronova, 1986, Kurnakov Institute of General and Inorganic Chemistry RAS, «Hybrid ion-exchange membrane materials for the fuel cells and water treatment systems»

Earth sciences:

Sergey M. Aksenov, 1988, St. Petersburg State University, Shubnikov Institute of Crystallography RAS, «New minerals and crystal chemistry of lamprophyllite-group»

Biology:

Elena V. Vortsepneva, 1981, Biology department of M.V.Lomonosov Moscow State University, «Ultrastructure of Trochozoa animals as a tool to investigate ways of evolution»

Anna Y. Golovina, 1985, A.N. Belozersky Institute of Physico-Chemical Biology, Moscow State University, «Modifications in RNA: the global role for the cell functioning»

Dmitry N. Lyabin, 1980, Institute of Protein Research RAS, «Regulation of synthesis of the multifunctional Y-box binding protein 1»

Anton A. Polyansky, 1981, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry RAS, «In silico studies of structural and functional aspects of transmembrane domains dimerization for bitopic proteins»

Denis N. Silachev, 1982, Faculty of Bioengineering and Bioinformatics, A.N.Belozersky Institute of Physico-Chemical Biology, Moscow State University, «The role of mitochondria in neuroprotection»

Maria A. Turchaninova, 1984, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry RAS, «T cell receptor repertoire analysis using emulsion PCR and high-throughput sequencing»

Ekaterina E. Khrameeva, 1987, Institute for Information Transmission Problems, «Neanderthal ancestry drives evolution of lipid catabolism in contemporary Europeans»

Darya A. Chetverina, 1982, Institute of Gene Biology RAS, «Study of mechanisms controlling activity of enhancers from regulatory regions of the white and yellow genes in *D. melanogaster*»

Maxim A. Shevtsov, 1984, Institute of Cytology RAS, St. Petersburg, «Immuno-modulatory anti-tumor activity of the recombinant 70-kDa heat shock protein in treatment of malignant brain tumors»

Humanities:

Anna S. Ivanova, 1984, Institute of Russian History RAS, «The history of Beriozka stores and their role in the Soviet society (1960s-1980s)»

Tat'jana P. Nazarova, 1982, Volgograd State Agrarian University, «The Charitable activities of the foreign Mennonite organizations in the Soviet State in the 1920s-1930s»

Elena G. Putilova, 1984, Nizhniy Tagil State Social-Pedagogical Academy, «The history of the government policy of the rehabilitation and the movement of the immortalization of the memory of the victims political repressions in Russia (1953 - 2000-s).»

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

The Trustees wish to register their most grateful thanks to Prof. Vladimir Skulachev and to the Russian membership and in particular to the sponsors of the prizes. Prof Skulachev has been the coordinator of these prizes since their establishment.

Prizes are awarded in Mathematics, Physics, Chemistry, Biology, Earth Sciences, Medicine and Humanities.

The scheme is supervised by a committee of "Russian club" members of the Academia Europaea, led by the chair - Professor Vladimir Skulachev and including A.A. Bogdanov, V.B. Braginskij, M.O. Chudakova, G.P. Georgiev, I.I. Moiseev, A.M. Nikishin, V.A. Sadovnichij. Information about the scheme is advertised in appropriate newspapers and in universities. Initial proposals are sifted by the committee and the best are sent to international experts for assessment. About 25 prize winners are selected each year.

The scheme is highly regarded and attracts substantial local publicity.

New Initiatives Fund: No activity for 2014. However, the Board decided to re-establish the fund under the title of **The Hubert Curien Initiatives Fund**, in recognition of the second President of the AE. The new fund will be launched with an open call for proposals in January 2015.

From the 'A-20 fund', to fund young researcher travel bursaries:

IMBER 2014 'Future Oceans', Bergen, June 2014. See:



www.imber.info

Events under AE patronage in 2014

During the year AE provided 'patronage' to a number of international events organised through AE members. These included;

AE-Austria Life Sciences Lecture series (co-organised by Prof. dr Hermann Maurer (Graz) and



and



International Workshop on Collectivity in Relativistic Heavy Ion Collisions, Kolymbari, Crete. September 2014) – Co-organised by Prof. dr Laszlo Csernai (Physics Section)

'RELMIN' (University of Nantes) – project coordinator Prof. John Tolan (History Section). Final conference, October 2014 "Le statut légal des minorités religieuses dans l'espace euro-méditerranéen (Vème-XVème siècles)" see: <http://www.relmin.eu/index.php/en/>

Basic and Translational Neurochemistry: Glia and Neurons in Health and Disease. (7 July). A one-day symposium, co-organised by Prof. Vladimir Parpura, in collaboration with the Croatian Academy of Sciences and Arts and the University of Rijeka, Croatia.

Other Projects

The development phase of the “Virtual Academy” project funded out of a five-year grant from the Riksbankens Jubileumsfond (The Royal Bank of Sweden Tercentenary Fund), came to an end. The project was managed and implemented by Professor Hermann Maurer at the Technical University of Graz, Austria. The University are also co-sponsors of the www.AE-INFO.org web portal, which is now the definitive information point on individual members of the Academy and provides access to interested public surfers. The management of the content of this site will continue be under the control of the Graz team with assistance from the AE Wroclaw Knowledge Hub team. The project also funded two days per month of the Executive Secretary’s time for delivery of member

communications and the members’ E-newsletters.



The ‘Riksbankens’ project also funded a final tranche of events addressing significant themes on a modern context for issues surrounding multicultural Europe, through a “Dialogue of European Cultures” and for plans to strengthen the position and role of the Humanities in pan European scholarship and policy. Activities included major events including; Turkey in Europe II; Regimes of Memory II, Humanities in a global context – an AE-China Dialogue meeting and the Barcelona Disputatio 2014. These sub project activities were completed and are reported elsewhere in this report.

Other events supported by the AE:

Funding Policies and Research Values: Strategies & Needs; Risks & Prospects (12 May 2014) - Trieste
Organised by Professor Cinzia Ferrini, in collaboration with the Barcelona Knowledge Hub. (financed out of the Riksbankens Grant for ‘Dialogue of Cultures’).

Rationale

Funding Policies and Research Values: Strategies & Needs; Risks & Prospects will examine the strategies to allocate public resources to support research projects, explore the prospects for success offered by partnerships and the ‘network’ academic model, exhibit and examine the risks of linear financial cuts in state research funding and highlight the need for new life for research in the Humanities.

Meeting report

Held in the attractive city of Trieste, the workshop on Funding Policies and Research Values, opened with a welcome address by the Rector, Maurizio Fermeglia, who also conveyed the high appreciation of the Minister of Education, University and Research, Stefania Giannini, for the new collaboration between the University of Trieste and the international humanistic and scientific network of the Academia Europaea.

The Rector gave the floor over the Academic Director of the Barcelona Hub, Genoveva Marti, who presented the institutional history and the cultural policies of the AE and its Hubs. She was followed by the convenor and organizer, Cinzia Ferrini, who summarized the background, the rationale and the aims of the event, focussing on the four questions the invited speakers were to address:

1. Which strategies should we adopt for the future of humanities?

Naomi Segal focussed on strategies for supporting literary studies within the context of European research funds proposing to redefine them in terms of cultural literacy.

In this way, she highlighted the characteristics of the Humanities regarding their distinctive objects, purposes and methods, warning against the risk that interdisciplinarity could clash with the sense of their specificity.

2. What do Humanistic studies need?

Jürgen Mittelstrass’s thought provoking paper highlighted the inner and external difficulties currently faced by the humanistic studies and the need for new institutional models of European research in the humanities. According to him what we need is a broader concept of culture, a concept that encompasses the natural sciences, technology and the humanities.

3. What risks now confront research in the Humanities?

In her informed and passionate presentation **Carolyn Gianturco** examined the risks of linear financial cuts in state research funding for the sector of musical studies which is paradoxically neglected in Italy, especially in comparison with the rest of Europe. She emphasized that the Italian current state funding policies marginalizes studies of high cultural value failing in the duty to enrich the lives of the citizens.

4. What good prospects are now available?

Maurizio Brunori explored prospects for success offered by partnerships and the 'network' academic model centred on the Mediterranean region, fostering the dialogue among different cultural heritages. He also pointed to the seminal value of independent and individual researches for the advancement of research in apparently unrelated fields.

The discussion was lively and productive. We hope that this is just the beginning of a lasting collaboration.

Cinzia Ferrini, Trieste

Turkey & Europe: Cultural Aspects. Salzburg, September 24 – 26, 2014. A joint conference of the Academia Europaea, London, and the Commission for Migration and Integration Research of the Austrian Academy of Sciences, Vienna (OAEW). Sponsored by the Riksbankens Jubileumsfonds (grant to the AE – Dialogue of Cultures strand). Papers will be published.



Programme:

Welcoming Addresses: **Anne Buttimer**, Vice President, Academia Europaea and **Heinz Fassmann**: Chair, Commission for Migration and Integration Research, Austrian Academy of Sciences

Introduction: **Justin Stagl**: University of Salzburg, Department of Political Science and Sociology and **Esma Durugönül**: Akdeniz University, Faculty of Letters

Keynote: Fighting for Recognition: Turkish Immigrant Literatures in Europe

Wiebke Sievers: Commission for Migration and Integration Research, Austrian Academy of Sciences

Cultures of Migration in, to and from Turkey. Ibrahim Sirkeci: Regent's Centre for Transnational Studies, Regent's University, London

The Golden Apple: Turkey as a Country of Immigration (13th -20th Century), Alexander H. de Groot: University of Leiden, Department of Oriental Studies

Multiple identitäten in Theorie und Empirie, Brunhilde Scheuringer: University of Salzburg, Department of Political Science and Sociology

New Minorities in Europe: New Concepts for a New Context, Samim Akgönül: Strasbourg University, Institute of International Relations, Department of Turkish Studies

Honor Between Different Cultures and Legal Systems: Turkish Migrants in Western Europe, Christian Giordano: University of Fribourg. Chaire d'Anthropologie Sociale.

Sécularisation et européisation des musulmans d'origine immigrée en Europe occidentale, Ural Manço: Aksaray University, Social Sciences Graduate School

Europeanness versus Turkishness in a Turkish Sitcom: The Case of "Avrupa, Avrupa ", Arda Arikan: Akdeniz University, Faculty of Letters

Fazil Say: Ein türkischer Musiker in Europa, Esma Durugönül: Akdeniz University, Faculty of Letters

Kese & Tellak: Zur kulturellen Rahmung von Körperbehandlungen im "türkischen Bad ", Kornelia Hahn: University of Salzburg, Department of Political Science and Sociology

A Second Generation Migration Critic: Necla Kelek, Justin Stagl: University of Salzburg, Department of Political Science and Sociology

Summaries, Anne Buttimer, Esma Durugönül, Justin Stagl.

Report on the workshop "Turkey and Europe II: Cultural Aspects"

The workshop took place as announced in the printed programme, only that the talk on Turkish immigration history by A.H. de Groot (who had been hospitalized following an accident) was substituted by an Yale Ferguson on the recent political development of Turkey. Heinz Fassmann was also prevented from giving us his salutation by his duties as Vice-Rector of Vienna University. His salutation was taken over by Wiebke Sievers.

The workshop went exceedingly well. It was a good thought to hold it in a small place outside the town. Thus all attendants stayed all the time together. The quality of the talks was high, the discussion lively. The publication edited by Anne Buttner and myself, is scheduled to appear in DER 2015. In my activities as the, local organizer I was greatly supported by Esma Durugonul (Antalya). She especially helped me with the selection and presentation of the Turkish participants. There was in all respects parity between Turks and non-Turks.

Kolocep, 16.X.2014, Justin Stagl

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Weißgerberlande 50
A-1030 Wien
Tel.: +43/1/710 21 44

Publications 2014

In 2014 the following specific publications were released:

Bibliometrics: Use and Abuse in the Review of Research Performance. Wenner Gren International Series Volume 87. Portland Press Limited, London. ISBN 978-1-85578-195-5. Edited by Wim Blockmans, Lars Engwall, Denis Weaire. The volume are the collected papers of a Symposium held in Stockholm 23 – 25 May, 2013, as part of the AE HERCuIES group activity addressing issues in Higher Education, Culture and European Society. The symposium and publication were funded by the Wenner Gren Foundations, Sweden (see <http://www.swgc.org/welcome.aspx>).



The volume is open access and can be downloaded from:
http://www.portlandpress.com/pp/books/prod_list.cfm?product_class=PPWG

Erasmus Lecture 2012 – Geoffrey Burnstock. The Concept of Cotransmission: Focus on ATP as a Cotransmitter and its Significance in Health and Disease. The European Review, Vol. 22 (1) February 2014. pp1-17.
(<http://journals.cambridge.org/action/displayAbstract?fromPage=online&aid=9184298&fulltextType=RA&fileId=S1062798713000586>)



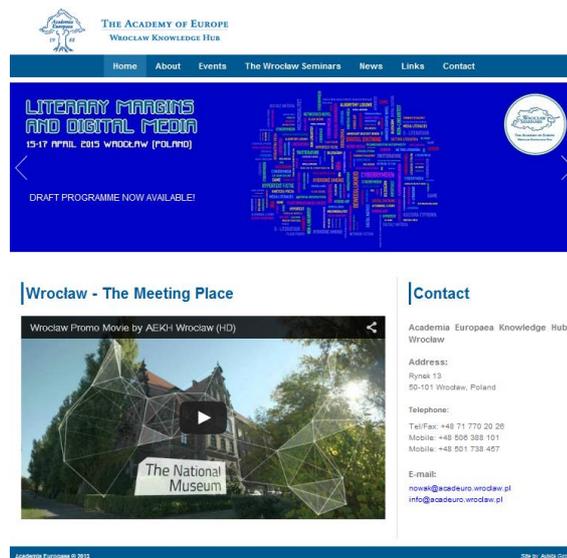
Basic Ideas in Science: The Concept of Law in Science. The European Review, Volume 22, Supplement number 1. May 2014. **This open access volume** are the collected papers from a workshop held at the Studio of the Villa Bosch, Heidelberg in June 2012. The Basic Ideas in Science series, was sponsored by the Klaus Tschira Foundation (see: www.klaus-tschira-stiftung.de). The series editors are Professor dr. Klaus Mainzer (TU Munich) and Prof. dr. Jürgen Mittelstrass (U.Konstanz). download from <http://journals.cambridge.org/action/displayIssue?decade=2010&jid=ERW&volumeId=22&issueId=S1&iid=9259038>

Reports of the activity of the AE Knowledge Hubs

Wroclaw

AE Members' profiles on www.ae-info.org

AEKH-W team was updating the official website of AE on a daily basis. In 2014 the hub staff has created/updated approx. 1114 subpages and uploaded 851 files.



Hub website home page

Agreement with the Wrocław University of Technology

On 22 March 2014, Academia Europaea and the Wrocław University of Technology signed a cooperation agreement. Both sides declared the willingness to cooperate in the field of science, teaching and promotion. As a consequence of this agreement, in 2014, the University of Technology hosted two distinguished professors, Members of Academia Europaea: Prof. Martin Greiner (Aarhus University, 29-30 May 2014) and Prof. Sir John Enderby (Bristol University, 07-10 July 2014).

Agreement with the Academy of Art and Design

On 23 June 2014, Academia Europaea and the Academy of Art and Design signed a cooperation agreement. Both sides declared the willingness to cooperate in the field of science, teaching and promotion.

Cooperation with the Regional Representation of the European Commission

AEKH-W had a few meetings with the representatives of the Regional Representation of the European Commission, which enabled the office to introduce its activities and discuss the potential possibilities of future cooperation. As a consequence, AEKH-W considers participation in the *European Day of the Languages*, that will take place in Wrocław in September 2015.

Nominations procedures - New Members of Academia Europaea

In 2014 AEKH-W helped with the nomination procedures by sending welcome packs to New Members elected in 2014. The welcome pack contained new member certificate, welcome letter, membership payments sheet, AE brochure, *Save the date* flyer (informing about the annual conference in Darmstadt, Germany in 2015), pin, folder and Directory 2014.

In 2014 AE resumed the custom of sending the letters to New Members' Home Institutions, that inform about election of the scientist as a member of Academia Europaea – 220 letters were sent in 2014 via regular post.

Printed Material & Branding

DIRECTORY. In 2014 AEKH-W for the first time was responsible for overall production of the AE Directory. The necessary data bases and texts were prepared and used accordingly to the previously accepted form. Printed materials were distributed among AE offices, attached to the welcome packs (229) and sent to AE New Members. The costs of producing the Directory were incurred by the AE office in London.

LEAFLET. The AE Leaflet was updated in 2014 with the information on new AE office, opened in Bergen and enriched by the updated information on AE activities. Leaflets were distributed among AE offices and attached to the New Members welcome packs. The costs of producing the leaflets were incurred by the AE office in London.

BROCHURE. In 2014 AEKH-W produced a brochure commemorating the 25th Anniversary Conference of Academia Europaea, that was held in Wrocław in September 2013. The brochure produced in 400 copies contains pictures and short description of the conference. In the beginning of 2015 the brochures will be sent to all participants of the conference with a letter of invitation from the Executive Secretary of AE for the 27th Annual Conference of AE in Darmstadt, Germany. The costs of producing the conference brochure were incurred by the AE office in London.

CERTIFICATES. 500 New Members certificates were produced in 2014 and those costs were incurred by the AE office in London.

BRANDING. Due to the fact, that Academia already has 4 offices: 1 headquarter and 3 external hubs, it has been decided to work on the visual consistency of AE branding materials. AEKH-W was responsible for preparing:

- Logos
- Letterheads
- PowerPoint presentation template
- E-mail footers
- Business cards
- Updating the AE brand book

The costs of those services were incurred by the AE office in London.

Meetings & Conferences

Board Meeting in Wrocław – 14 April 2014

The Board of Academia Europaea met in Wrocław on 14 April 2014. Twelve Members of the Board had the flights provided by AEKH-W as well as the accommodation at the Art Hotel.

Publication - *Early Modern Print Culture in Central Europe*

The work on the publication of the results of the first of „The Wrocław Seminars” – *Early Modern Print Culture in Central Europe* lasted throughout the year 2014. The participants of the Seminar were sending their texts, which were corrected and reviewed formally and send back to the authors for the final amendments. At the end of the year, the texts were send to Wrocław University Press.

Preparations for the next edition of „The Wrocław Seminars” – *Literary Margins and Digital Media*



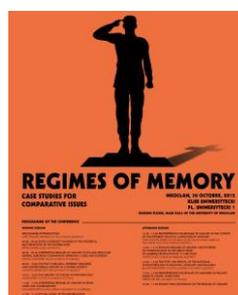
In cooperation with a branding company A Vista Group, AEKH-W created the visual design of the second Seminar. It has been also decided to start cooperation with Haart Corporation and Techsty – Literatura i Nowe Media, who has taken the media patronage over the event. The *Call for Papers* was sent to several dozen of European universities and uploaded on several websites (examples: www.h-net.org, www.ae-info.org, www.acadeuro.wroclaw.pl). When the draft of the program was agreed, all the participants bios and abstracts of their speeches were uploaded on the website. The successful cooperation with Patio Hotel from last year was maintained. The organisers also came upon a decision, that the Seminar will take place in the Regional Center of the International Debate in Wrocław (RODM), and the meeting with Michael Joyce and Zuzana Husarova will take place on 15 April 2015 at the Wrocław Contemporary Museum.

Meeting of the Organisational Committee of the next „Wrocław Seminars” - *Central European Representations of Colonial Worlds* – 12 December 2014

The organising committee met on 12 December 2014 at the Art Hotel. The meeting gathered five participants: Prof. Pieter Emmer, Prof. Michael North, Prof. Siegfried Huigen, dr Dorota Kołodziejczyk and dr Aleksandra Nowak, and was followed by the working dinner. The costs of the meeting (transport, accommodation, catering) were covered from the resources of the AEKH-W.

The conference *Regimes of Memory* - 9-10 October

The second edition of the conference *Regimes of Memory* took place on 9-10 October 2014 and was prepared and conducted in of Eastern Europe, University of Wrocław, the Willy



2014

Memory took place on 9-10 cooperation with the College Brandt Center for German

and European Studies and Regional Centre of International Debate (RODM). The *New Eastern Europe* has taken the media patronage over the conference. The event was financed by RODM and Academia Europaea (as a part of the *Dialogue of Cultures* project).

The head of the scientific committee, prof. Ivan Zoltan Denes, Member of Academia Europaea, invited five scientists (*senior scholars*), experts in the field of memory regimes, to participate in the conference (for example Eva Kovacs, Dubravko Lovrenović, Balazs Trensényi). The local committee consisted of: dr Piotr Sula (UWr.), dr Adam Cianciara (RODM), prof. Siegfried Huigen (AE), prof. Denes (AE), dr Aleksandra Nowak (AEKH-W) and Maciej Makulski (RODM). The organisers prepared the program of the conference, conference materials, promo materials, catering and a set of basic information about the organisational issues related to the conference and the city. The whole event were transmitted online (thanks to the live streaming technology, provided by UWr) and is available here: <https://www.youtube.com/watch?v=uGPAvxuFyzo&feature=youtu.be>

The cost of air transportation to/from Wrocław was covered only for the *senior scholars*. *Young scholars* had their costs covered up to 50,- EUR. The participants were accommodated in Hotel Patio (3*) where they have been provided with a 3-night stay. The photos from each day of the event were published after the conference on AEKH-W website <http://www.acadeuro.wroclaw.pl/> in the *Gallery* section.

Meeting of The Ambassadors of Wrocław Congresses and Polish Members of Academia Europaea – 9 December 2014

The meeting of Wrocław Congress Ambassadors and Members of Academia Europaea was held on 9 December 2014, at the Art Hotel and was attended by 28 people. The event was organized by Convention Bureau and Academia Europaea Knowledge Hub Wrocław. Substantive program consisted of three parts – firstly the Head of the Convention Bureau-Wrocław, Magdalena Piasecka, presented current accommodation base and conference and congress potential of the city and stressed, that CBW is always ready to provide professional support in helping to bring new events to Wrocław. Dr. Aleksandra Nowak from AEKH-W presented the actions taken over the last three years by Academia office in Wrocław, and encouraged to actively use the potential of Academia Europaea. The last was Mrs. Olga Kończak, representing the National Forum of Music, who in a very interesting way presented the potential of this new venue. During the dinner that followed the presentations, participants could freely discuss all the issues raised during the speeches.

AE Board Meeting in Barcelona - 9-10 January 2014

On 9-10 January 2014 dr Aleksandra Nowak participated in the Board Meeting in Barcelona.

AE 26th Annual Conference in Barcelona - 16-18 July 2014

AEKH-W team participated in the 26th conference in Barcelona. Also, at the request of the Secretary-General, at this occasion Katarzyna Majkowska prepared updated Directory 2014 and leaflet with general information about AE. Dr. Aleksandra Nowak also prepared a report on the activities of AE in 2014 and plans for 2015, which was presented at a Council meeting and at the Annual Business Meeting on 16 July 2014.

Participation in the Congress of Academic Culture (Jagiellonian University, Krakow) - 20-22 March 2014

As a result of cooperation with Prof. Piotr Sztompka (Member of AE), the office staff was invited to participate in the Congress of Academic Culture. The main discussion revolved around several essential topics: what is a university, what pathologies affect the scientific community and what is the answer to a question whether the university should be a research institution or a teaching one, and how to solve the problem of devaluation of the concept of the university.

Participation in the conference helped to expand the network of contacts, as Prof. Piotr Sztompka, the main organiser of the congress, invited eight members of the Academia Europaea (Jerzy Axer, Jan Woleński, Maciej Żylicz, Jan Strelau, Henry Samsonowicz, Michał Kleiber, Andrzej Białas). With regard to this fact, Academia visibility was greatly emphasized on the national stage.

Visiting Lectures

In 2014 AEKH-W organised seven visiting lectures of Academia Europaea Members. As it was expected, those visits successfully brought distinguished researchers to Wrocław, enhancing the quality of higher education and supplementing various faculties of the University.

The series of lectures *Europa Una* - 12th May, 20th October, 17th November, 27th November, 2014

In 2014 AEKH-W co-organised the series of lectures *Europa Una* – a cycle of open social debates. 2014 was a special year not only for Poland itself, but also for the whole Europe: 100th anniversary of birth of legendary emissaries: Jan Karski and Jan Nowak-Jeziorański; 25th anniversary of the Polish Round Table Agreement; 25th

anniversary of the first, partially free parliamentary elections in a Post-war Poland and also a 100th anniversary of the beginning of the I World War. The common denominator of the *Europa Una* debates in 2014 was the concept of eminent British historian Eric Hobsbawm on the so-called "short twentieth century" and its importance for Central and Eastern Europe. The organizers of the cycle were: the Willy Brandt Center for German and European Studies, College of Eastern Europe, Academia Europaea Knowledge Hub - Wrocław and the Institute of Political Science of the University of Wrocław. Media patronage over the event was taken by *Gazeta Wyborcza Wrocław*. The organizers' aim was to look at the prospects of integration and the state of European security. Scientists invited to deliver lectures are known for outstanding scientific achievements within the field of social sciences. The discussion focused on the exposure of the given topic from different perspectives, therefore among the lecturers were two philosophers, one historian and an expert on international security.



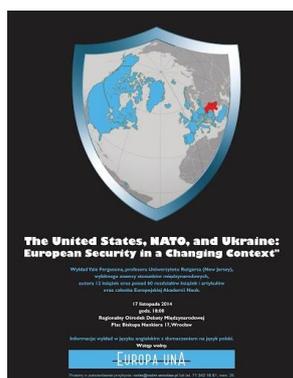
The first meeting led by **prof. Horst Möller** was held on 12 May 2014 at the University Club of the University of Wrocław. The organizers provided simultaneous translation and live streaming (available at the link: <http://new.livestream.com/martini-communications/kew>).



In relation to the 10th anniversary of Polish accession to EU structures, **prof. Adam Chmielewski**, a philosopher, gave a lecture on "Dimensions and weights of Europe". The meeting was held on 20 October at the Regional Centre of International Debate. The lecture is available at this link: <https://www.youtube.com/watch?v=4dntDmAVD3E>.

The 15th anniversary of Polish accession to NATO was a background to the lecture of one of the leading experts in international relations, **prof. Yale H. Ferguson**. The speech was titled "The United States, NATO and Ukraine: European Security in a Changing Context".

The meeting was held on 17th November at the headquarters of the Regional Centre of International Debate. The lecture was recorded and is available online at <https://www.youtube.com/watch?v=58uiYm2zb9s>.



Philosophical approach to European integration was presented by **prof. Jan Woleński** from the Jagiellonian University during the last lecture of the series *Europa Una* in 2014. The lecture entitled "The European Rationalism?" was held at the premises of Academia Europaea on 27 November 2014.

The series of *Europa Una* lectures will find its continuation in 2015 in debates related to the commemoration of the 70th anniversary of the United Nations and celebration of the 25th anniversary of Polish Home Rule.

Lecture by Professor Martin Greiner - 29-30 May 2014

The cooperation agreement with the Wrocław University of Technology resulted in an invitation of a Member of Academia Europaea, professor at the University of Aarhus (Denmark), **Martin Greiner**. His two-day visit (29-30 May 2014) was devoted to issues such as energy generation from renewable sources, the creation of a pan-European electricity grid based on wind and solar. The lecture was attended by students, academics and staff of the Wrocław University of Technology. More details about the lecture are available here.

http://www.weny.pwr.edu.pl/index_dhtml.

100% Renewable Energy in Europe? Optimal combination of storage and balancing in a Renewable European Power System, transitional pathway between the current and the future energy system, application of mathematical tool to explore technical data? Interested – join the lecture!

Faculty of Electrical Engineering and International Office as well as Office of Students Professional Career in cooperation with the Academia Europaea - Wrocław Knowledge Hub invite students, PhD students and academic teachers of Wrocław University of Technology on a series of two lectures of Professor Martin Greiner, a member of the Academia Europaea, Aarhus University, Denmark, Department of Engineering and Department of Mathematics, considering developments of modern power system networks and use of mathematical tools in the assessment of the contribution of renewable energy sources

Design of a fully renewable European energy system - challenges for system engineering, applied mathematics and physics of complex networks

Martin O.W. Greiner, Denmark

Abstract:

Today's large-scale energy systems based on conventional resources will transform into a future system dominantly relying on fluctuating renewable resources. At the moment it is not really clear what will be the best transitional pathway between the current and the future energy system. In this respect it makes sense to think backwards, which means in a first step to get a good understanding of fully renewable energy systems, and then in a second step bridge from there to today's energy system. Based on state-of-the-art high-resolution meteorological and electrical load data, spatio-temporal modeling, and the physics of complex networks, fundamental properties of a fully renewable pan-European power system are determined. Amongst such characteristics are the optimal mix of wind and solar power generation, the optimal combination of storage and balancing, the optimal extension of the transmission grid, as well as the optimal ramp down of conventional power generation during the transitional phase. These results indicate that the pathways into future energy systems will be driven by an optimal systemic combination of technologies, and that economy and markets will have to follow technology. This talk will be presented in two parts. The first part focuses on the modeling of wind and solar power generation, their aggregation on various length scales, and results drawn from it as to future storage and backup needs in the limit of a copper-plate like Europe. The second part addresses various complex-network aspects of future pan-European power transmission and an overall economic system analysis.

Part 1
29.05.2014 (Thursday) – room 2.17, C-13, 11.15-13.00

Part 2
30.05.2014 (Friday) – room 2.17, C-13, 11.15-13.00



Martin O.W. Greiner, Department of Engineering and Department of Mathematics, Aarhus University, Denmark.
2010-till now Professor, Departments of Engineering and Mathematics, Aarhus University, Denmark.
2001–2010 Senior Research Scientist, Corporate Research and Technology, Siemens AG, Munich, Germany.
2000–2001 Visiting Professor, Duke University, Durham, USA.
1995–2000 Research Scientist, Technical University and Max-Planck Institute for Physics of Complex Systems, Dresden, Germany.
1995 Habilitation (Theoretical Physics), Justus Liebig University, Germany.

Member of the German Physical Society, the Academia Europaea, and the European Physical Society (Working Group Energy).
Current fields of interests include:
- Fully renewable energy systems: modelling, design and planning of sustainable large-scale energy systems with a very large share of weather-dependent renewables.
- Turbulence, wind flows and wind farms: stochastic modelling, optimization and control.
- Physics and mathematics of complex networks: modelling of structure, dynamics and function of self-organizing networks, applications ranging from communication and electricity networks to social and biological networks.

With strong experiences both in academic and industrial cooperate research, the research competences range from very basic to very applied and reflect a unique understanding of both ends.
Ca. 75 articles in refereed international journals, Ca. 50 papers in mostly refereed international proceedings, (uncountable number of) invited conference talks, colloquia and seminars.



For organizational reasons participants of the meeting are kindly pleased to fill a short registration form available at website of the Office of Students Professional Career of Wrocław University of Technology using sections Calendar of Events or directly at: <http://goo.gl/w9k1XQ>



Politechnika Wroclawska
Faculty of Electrical Engineering



Politechnika Wroclawska
International Office



Office of Students Professional Career



Academia Europaea - The Academy of Europe

Summer School on Democracy 2014

The cooperation agreement, established in 2013 with the Institute of Political Science (University of Wrocław) resulted in the involvement of AEKH-W in their 2014 Summer School. The school is funded by the European Erasmus+, and is organised with the support of the Academia Europaea, Regional Centre of the International Debate and four foreign universities: Free University of Brussels (Belgium), the University of Koblenz-Landau (Germany), the University of Babeş-Bolyai (Romania) and the University of Bucharest (Romania). As part of the grants received from the CEEPUS (Central European Exchange Program for University Studies) summer school was attended by students and PhD students from the University of Zagreb, Institute for Human Rights in Skopje, Masaryk University in Brno, Bratislava Kamenského University and the University of Oradea (Romania). In 2014 the school offer was extended due to the support of the Ministry of Science and Higher Education with participants from Ukraine and Belarus. The school had a honorary patronage of the Marshal of Lower Silesia Cezary Przybylski and the Mayor of Wrocław, Rafał Dutkiewicz.

On 23 June 2014 **prof. András Körösenyi** (MAE) of the Hungarian Academy of Sciences gave an inaugurating lecture on “*Political leadership and innovation in normal and exceptional times*”.

More information is available at the website www.summerschool.uni.wroc.pl and http://www.ae-info.org/ae/Acad_Main/Wroclaw_Knowledge_Hub/Visiting%20Lectures

3E + Energy Electricity Electronics Nanotechnology 2014

The cooperation agreement, signed by AE with the Wrocław University of Technology, resulted in the involvement of the Academia Europaea in a summer school entitled “3E+ Energy Electronics Electricity Nanotechnology 2014”, organized by several Departments: Mechanical Engineering, Electrical Engineering, Electronics, Fundamental Problems of Technology and Microsystem Electronics and Photonics. The school was organised under the auspices of the Rector of the Wrocław University of Technology, Professor Tadeusz Więckowski. Among others the main objectives of the school were: an exchange of experience in the field of new technologies, an improvement of skills and the development of international cooperation.

Member of the Academia Europaea, **Professor Sir John Enderby** delivered the inaugural lecture entitled “Biofuels: Promise and Problems” on 7 July 2014 in the Senate Hall of the Wrocław University of Technology.

More information about the summer school is available at the University website http://www.dwm.pwr.edu.pl/other_programmes/1249/3e_energy_electronics_electricity_nanotechnology_2014.html.



Internships

As a result of cooperation with the Institute of Political Science, AEKH-W started an internship program for students of the University of Wrocław. In the first half of 2014 two persons completed the internship: Mateusz Ball (Dual Master Degree student at the Institute of Political Science) and Patrycja Piątkiewicz (German philology student at the Angelus Silesius State Higher Vocational School in Wałbrzych and supplementary first-year student in Spanish Philology of the University of Wrocław).

In November 2014 the University of Wrocław has began the recruitment of companies, that can provide internships for students from Philology Departments. The project called "The improvement of the competence of students of the neo-philological studies of the University of Wrocław tailored to the labour market" is co-financed by the European Union under the European Social Fund and the National Center for Research and Development. Academia Europaea Knowledge Hub applied for an intern, and awaits for further information.

Dr Ola Nowak
Mrs Katarzyna Majkowska-Kołyшко

Barcelona

In 2012, the Catalan Government (Generalitat de Catalunya), the Barcelona City Council (Ajuntament de Barcelona) and the "la Caixa" Foundation launched the Southern European and Mediterranean Office of the Academia Europaea, the Barcelona Knowledge Hub, with the support of the Fundació Catalana per a la Recerca i la Innovació (FCRI) and the Institute for Catalan Studies (IEC).



Cloister of the Institut d'Estudis Catalans, where the office is located

PARTNERS:



Located in the building of the IEC and operational since January 2013, the BKH focuses on the promotion of activities of interest for the members of the Academy and the scientific community in general, with special emphasis on multidisciplinary activities that include the perspective of the social sciences and the humanities.

In July 2014, the organisations above signed a new agreement in order to transfer budget and staff-related duties from the FCRI to the IEC.

Since July 2014, Ricard Guerrero has replaced Genoveva Martí as Academic Director of the BKH. Ariadna Barcelona along with Joaquim Bosch (from January to April), Aldara Cervera (from May to December), and Núria Radó (from October to December, covering Ms. Barcelona's temporary leave) have been the office personnel in 2014.

International Advisory Committee

During the 26th Annual Meeting (held in Barcelona on July 16-18), the Board and Council of the AE nominated proposed an International Advisory Committee (IAC) for the BKH. Eleven academics, most of them members of the Academia Europaea, from Mediterranean countries and with different fields of expertise were chosen. The members of the IAC are the following:

Enric Banda, "la Caixa" Foundation (Barcelona)

ebanda@fundaciolacaixa.es

J. Mariano Gago, Portugal's Laboratory for Particle Physics (Lisbon, Portugal)

gago@lip.pt {RIP}

Pedro García-Barreno, Royal Academy of the Language, Royal Academy of Medicine (Madrid)

pgbarreno@gmail.com

M. Dolors Garcia-Ramon, Autonomous University of Barcelona (Barcelona)

mariadolores.garcia.ramon@uab.cat

Ramon Gomis, Institute of Biomedical Research Agustí Pi Sunyer, IDIBAPS (Barcelona)

ramon.gomis@idibaps.org

Sergiu Hart, The Hebrew University of Jerusalem (Jerusalem, Israel)

hart@huji.ac.il

Yvon Le Maho, National Centre for Scientific Research (Strasbourg, France)

yvon.lemaho@iphc.cnrs.fr

Genoveva Martí, University of Western Ontario (London, ON, Canada)

genoveva.marti@gmail.com

Marc Mayer, University of Barcelona

mayerolive@yahoo.es

Maria Paradiso, University of Sannio (Benevento, Italy)

paradiso@unisannio.it

Regina Revilla, Merck Sharp & Dohme Spain (Madrid)

regina_revilla@merck.com

The first annual meeting of the IAC was held in the Institute for Catalan Studies on November 29th.

Activities 2014

[a] International Women's Day

Date & Time: 5 March 2014, 18:00 h.

Venue: Sala Pere i Joan Coromines, Institute for Catalan Studies, Barcelona

Co-organised with: Institute for Catalan Studies

The BKH joined the celebration of the International Women’s Day organising a colloquium with the participation of Nadia El-Awady, Science Journalist and former President of the World Federation of Science Journalists, who talked about the “Arab Spring or Long Desolate Arab Winter?”. Nadia El-Awady stood on the frontlines of the Egyptian Revolution from January 25 to February 11, 2011. Three years on, she reflects on the current situation in Egypt, how it has affected her, her family, and those around her. Her presentation was followed by a discussion with the audience. Full programme of the event available [here](#).



[b] Workshop on Funding policies and research values

Date: 12 May 2014
Venue: University of Trieste, Italy
Co-organised with: University of Trieste with the support of the Riksbankens Jubileumsfond (Sweden)



The workshop *Funding policies and research values: strategies and needs, risks and prospects* was held in Trieste. Genoveva Martí, Academic Director of the Barcelona Hub, presented the institutional history and the cultural policies of the *Academia Europaea* and its Hubs in Barcelona and Wrocław. The convenor and organiser was Cinzia Ferrini, member of the AE and the Department of Humanities.

Co-organiser: University of Trieste



[c] 26th Annual Conference 2014: “Young Europe: realities, dilemmas and opportunities for the new generation”

Date & Time: 16–18 July 2014
Venue: CosmoCaixa, Barcelona, Institute for Catalan Studies, Barcelona
Website: <http://www.ae2014barcelona.com/>

The Barcelona Knowledge Hub hosted the 26th Annual Conference of the *Academia Europaea*. The three-day event, entitled “Young Europe: realities, dilemmas and opportunities for the new generation”, explored the key medical, social and environmental challenges that Europe will have to address in the coming years. The Conference featured 20 speakers who engaged with the audience in fruitful discussions and scientific interaction. The event was finished off with a Gala Dinner at the Hotel Avenida Palace and a field trip to the salt mountain of Cardona.

All participants were required to register online or onsite and pay a fee to attend to the Conference (ranged from 175 € to 300 €). There were 175 people registered and the number of attendees varied depending on the day and activity.

A website for the event was created (<http://www.ae2014barcelona.com/>) and different dissemination actions were taken. Invitations were sent to AE Members through newsletters and emails, as well as to the representatives of the partner institutions, Vice-Chancellors and Deputy Vice-Chancellors of the Catalan universities, and local people interested in the AE activities and registered in our database (over one hundred). The conference was publicised on the Barcelona Knowledge Hub and AE websites, and also via our Facebook and Twitter accounts. Partner institutions such as the Generalitat de Catalunya and the FCRI helped out disseminating through their own communication channels. The Department of Communication of the Institute for Catalan Studies organised a press conference with the participation of the three keynote speakers of the Conference, and it had remarkable impact on national and local media.

A three-minute video about the *Academia Europaea* and its 26th Annual Conference starring Genoveva Martí, Academic Director of the Barcelona Knowledge Hub, was produced. All the conferences were recorded.

Further information and full programme of the event are available [here](#).



[d] Disputatio of Barcelona 2014: “The Mediterranean, Bridge of cultures”

Date & Time:	27 November 2014
Venue:	Sant Pau Art Nouveau Site, Barcelona
Co-organised with:	United Nations University Institute on Globalization, Culture and Mobility (UNU-GCM)
Website:	http://www.barcelonadisputatio.com/

The BKH organised, together with the United Nations University Institute on Globalization, Culture and Mobility (UNU-GCM), a modern-day *Disputatio* with the participation of Maria Paradiso, Member of the AE and Full Professor of Geography and Planning at the University of Sannio, Italy, and Enric Banda, Director of Science and Environment at the "la Caixa" Foundation and Member of the AE, who presented two views on the topic "The Mediterranean, Bridge of Cultures".

Dissemination actions included creating a website for the event, announcement on the Barcelona Knowledge Hub and *Academia Europaea* websites, social network engagement, and sending out invitations to AE Members, representatives of the partner institutions, Vice-Chancellors and Deputy Vice-Chancellors of the Catalan universities, and to people registered in our database. The Communication Office of the UNU-GCM was responsible for the media relations and press conference for the event.

Two videos were produced, one of the whole event and a short version with the highlights of the event. Both are available on the website: <http://www.barcelonadisputatio.com/videos/>

Co-organiser: United Nations University Institute on Globalization, Culture and Mobility (UNU-GCM)



**UNITED NATIONS
UNIVERSITY**

UNU-GCM

Institute on Globalization,
Culture and Mobility



[e] *Academia Europaea* InterSection Workshop: "The Mediterranean in the crossroad. Past, present and future"

Date & Time:	Friday, 28 November 2014 9.30h - 21.30h
Venue:	Institute for Catalan Studies (Corominas Room), Barcelona CosmoCaixa (Agora Room), Barcelona
Co-organised with:	Institute for Catalan Studies
Website:	http://www.barcelonadisputatio.com/isw2014/

Within the framework of the *Disputatio 2014*, the BKH organised the first Intersection Workshop of the *Academia Europaea* entitled "The Mediterranean in the crossroad. Past, present and future".

Seven multidisciplinary talks about the Mediterranean shaped the workshop. French geologist and member of the section Earth and Cosmic Sciences Jean-Pierre Brun talked about the origin of the Mediterranean and the Messinian crisis. Social scientist trained in urban and environmental planning Isabelle Anguelovski gave a lecture about the urban and environmental planning in the Mediterranean, taking Barcelona as a model. The academic director of the BKH, Ricard Guerrero, talked about the early life and late culture of the Mediterranean's deltas and the scientific photographer Rubén Duro showed in film secret submerged "treasures" of the Mediterranean.



In the afternoon, Alessandro Tessari gave a conference entitled "Ramon Llull, the first proto-European", and Marc Mayer, Member of the Classics & Oriental studies' section, talked about the demography of the first Mediterranean global network, the Roman Empire. The closing lecture was given by the sociologist member of the Social sciences' section Salvador Giner, Emeritus Professor at the University of Barcelona, who outlined the problems and opportunities of the Mediterranean in the 21st century.

The full programme of the event is available [here](#).

The event was followed by a guided visit to the exhibition "The Mediterranean as you've never seen it before" at [CosmoCaixa Science Museum](#) and a choral concert by Cor de Música, from Castelldefels, which sang Medieval and Mediterranean songs.

The dissemination of the event was done through invitation to people registered in our database (more than 200 people), a newsletter to all members of the *Academia Europaea* and Twitter.

All the conferences were recorded (4 DVDs) and a video of the CosmoCaixa event has been produced. Co-organiser: Institut d'Estudis Catalans



Institut
d'Estudis
Catalans

[f] International Advisory Committee (IAC) First Annual Meeting

Date & Time:	Saturday, 29 November 2014 9.30h - 16.30h
Venue:	Institute for Catalan Studies (Puig i Cadafalch Room), Barcelona <i>Círculo del Liceo</i> , Barcelona

Agenda of the First Annual Meeting of the International Advisory Committee (IAC) of the Barcelona Knowledge Hub:

- 1) Implementation of the BKH & 2013-2014 year Summary
- 2) Programme of activities for 2015
- 3) Young Academy of Europe: Collaboration and Activities
- 4) Next meetings of the IAC
- 5) Possible activity: the new Library of Alexandria

The meeting was followed by a lunch in the distinguished *Cercle del Liceu*, and members of the International Advisory Committee could visit the art gallery.

A detailed summary of the meeting was sent to all members of the IAC. The next meeting of the IAC will be in December 2015.

Collaborations

[a] Neuroscience and...

Date: March – July 2014

Venue: Institute for Catalan Studies, Barcelona

The BKH together with the IEC, the Centre for Genomic Regulation (CRG) and the Institute of Culture of Barcelona sponsored a cycle of four lectures with the title “Neuroscience and...”. The first debate, “Neuroscience and Economics”, took place on March 13. Economists Antonio Cabrales (University College London) and Rosemarie Nagel (ICREA-UPF) and biologist Arcadi Navarro (ICREA-UPF) opened the session with a short presentation, followed by an exchange with the audience.

“Neuroscience and Education” was the title of the second lecture, held on May 15. Speakers were Ismael Palacín, director of the Jaume Bofill Foundation; David Bueno, Department of Genetics at the University of Barcelona; and Ignacio Morgado, Institute of Neurosciences of the Autonomous University of Barcelona. On June 26, the talk was dedicated to “Neuroscience and Politics”. On 3 July, the cycle was closed with the final lecture, “Neuroscience and the Law”.

«Neuroscience and...» had the additional support of [LOGOS](#)-Logic, Language and Cognition Research Group, the Spanish Society for Neuroscience ([SENC](#)), the Spanish Society for Neurology ([SEN](#)) the Brain Awareness Week ([BAW](#)) and the Catalan Society for Biology ([SCB](#)).

The BKH signed an agreement with the CRG and contributed with 1200 € to the overall budget. Additional actions including participating in the design of a leaflet and dissemination through the website and other channels were done.

A series of [videos](#) (“Neuroscience and education” and “Neuroscience and economics”) were uploaded to the BKH’s [YouTube channel](#).

[b] Annual Meeting of the Young Academy

Date: 15 July 2014

Venue: Coromines Room, Institute for Catalan Studies

The BKH served as a local contact point for providers and logistics on the third Annual Meeting of the YAE, organised in conjunction with the AE’s Annual Conference and held at the Institute for Catalan Studies, where the hub is located.

During the meeting, views on the current realities and opportunities for scientists in Europe were discussed from a younger perspective in several talks by YAE members. The scientific sessions consisted of stimulating discussion surrounding eight short presentations linking the three YAE domains (physics and engineering, the life sciences and the social sciences and the humanities). Researchers exchanged views and presented their recent work. They addressed various societal challenges in the areas of health, responses to the economic crisis and arising climate-change parameters. Thus, YAE members presented novel insights into light-activated hearing devices, the formation of citizens’ collectives and the accumulation of methane in lakes. Simone Turchetti (University of Manchester) delivered a lecture entitled “Deeply concerned with the environment? Revisiting the history of environmental science and politics” and Nataša Pržulj (Imperial College London) talked about the hidden language of complex networks.

A plenary debate was also held, in which scientists from many European countries evaluated the role of young academies in Europe. The audience agreed with the concerns of the young scientists, that it remains a challenge to shape a coherent science policy for Europe, to secure the sustainable support needed to achieve a scientific impact and to formulate a perspective for the next generation of scientific leaders.

[c] [TOPO-EUROPE Workshop 2014](#)

Date: 17–19 September 2014

Venue: CosmoCaixa, Barcelona

This 3-day conference entitled “Interplay between surface, lithospheric, and mantle processes” focused on the links between topographic evolution, crustal and lithospheric mantle structures, and geodynamic processes occurring at various depth- and time-scales. The conference was multidisciplinary, including participants from areas such as geodynamics, tectonics, seismology, sedimentology, geomorphology, and oceanography.

The BKH collaborated covering the catering expenses of an evening reception that took place in IEC’s courtyard. The total amount paid was 1.966,80 €.

[d] International Conference on Education and Empowerment of Women

Date: 17–19 September 2014

Venue: Autonomous University of Madrid, Campus of Cantoblanco, Madrid

The Autonomous University of Madrid hosted a three-day seminar of Education and Empowerment of Women. The Seminar was organised by the National Research Institute for Science Policy (NRISP) of Iran and the Autonomous University of Madrid, with the support of the Institute for Research and Planning in Higher Education of Iran and the Barcelona Knowledge Hub.

Ricard Guerrero, Academic Director of the BKH gave the lecture “The role of *Academia Europaea* in promoting women in the sciences and the humanities at the highest levels”.

[e] The 19th Science Week: Session on “Vaccines, science and society”, Parliament of Catalonia, November 17th

Date: 17 November 2014, 9.30h-14h
Venue: Parliament of Catalonia, Barcelona

The BKH collaborated in the organization of the 19th Science Week in Catalonia, which was inaugurated in the Parliament of Catalonia with the Conference “Can we eradicate the infection by HIV in infected people? The role of a therapeutic vaccine”, by Dr. Bonaventura Clotet, director of the AIDS Research Institute and head of the HIV Unit of the Hospital Trias i Pujol. The opening ceremony was followed by a conference entitled “Vaccines, science and society”, which analysed the present and future and the social significance of vaccination from a scientific, political and informative point of view and with the participation of researchers, medical professionals, journalists, and members of various parliamentary groups of the Parliament of Catalonia.



[f] Neuroscience Christmas Symposium

Date: 17 December 2014, 11:00 h
Venue: Marie Curie Room at Parc de Recerca Biomèdica de Barcelona

The BKH collaborated in the dissemination of the Systems Neuroscience Christmas Mini Symposium “Push the limits of your brain”, organised by the Centre for Genomic Regulation (CRG), the Cellular and Systems Neurobiology lab, directed by Mara Dierssen, Member of the Academia Europaea, and the Neurosciences Research Program - Hospital del Mar Medical Research Institute (IMIM), directed by Rafael de la Torre.

Prof. R. Guerrero, Barcelona

Bergen

AEkhrB – MISSION STATEMENT (short version)

AEkhrB will act as the AE branch in The Nordic, Northeastern and Arctic regions, fostering scientific knowledge and research and especially, but not exclusively, develop and run activities focussing upon the Northern Seas and Arctic Region.

Specifically the Hub will concentrate upon Northern Seas related European resources and opportunities, in particular

- (i) energy, seafood and maritime logistics, and also threats associated with the fragile northern margins;
- (ii) all related sciences and the social sciences and humanities aspects of issues identified.
- (iii) Also, the ‘hub’ will provide access to facilities, equipment and personnel for use by the AE and also [subject to any separate agreements] with the Young Academy of Europe (hereinafter, YAE), to enable the development of this association’s activities.

The Hub has in 2014-15 structured its start up work according to the mission statement. The three elements (i,ii,iii) will in the following be referred to as MS1, MS2 and MS3.

Considering also food as energy (not only) the Hub’s focus is on ENERGY CULTURE. Survival and development in the surprisingly habitable Northern parts of Europe has since early times depended on energy although other words were used, the concept energy being coined in more recent centuries. Knowledge about and ability to use natural resources with wisdom, combined with awareness of the tracks of mankind in the landscape, are central in our times. Energy and power is a unifying element – our culture is an Energy Culture, also in our health services where beams of various kind for scanning and therapy are employed.

AE has become increasingly visible via its involvement in projects; an example is its role in the creation and operation of EASAC (European Academies’ Science Advisory Council) and its topical (Energy, Environment, Biosciences) Steering Panels. Members of the Hub have served/serve on these panels and in Council. This has with success linked Academia closer to Europe’s decision making. Europe is known for its BIG SCIENCE “factory” CERN, European scientists have, however, also joined up in smaller teams and created competitive

multinational intra-European collaborations with success on the catwalk of science. So also in the Northern Seas region. This has strengthened the European Idea, and ties between the nations, providing in a sense a science diplomacy. It has focused European technology investments, and development of conceptual tools has guided European research.

Academic research has the last few generations increasingly underpinned the successful development in this part of Europe, where The Nordic Model has been widely implemented (hence the name) and lessons learned, relevant for understanding Piketty's recent book *Capital in the Twenty-first Century*. Driven by findings of resources, in particular in the energy sector, also the Nordic welfare states now face changing times and new challenges, requiring ever more scientific insight. Members of YAE will find many important and interesting tasks lying ahead, keeping Europe competitive. The vision of the AEkhRB is to be mentor in this transformative venture.

Annual Report: 2014

The Hub office in the premises of Business Region Bergen (BRB) opened for Hub business *4 March 2014*, and operated regularly after the official *Hub inauguration 30 May 2014*.

22 January 2014: *Statutory Meeting* of the Bergen Hub Advisory Group (BHAG). The meeting constituted BHAG, which is composed of regional MAE and alternates (representing Sections A, B and C), a Nordic MAE, a Chairperson (MAE) representing the regional academic partners, and two from BRB representing City and County. In 2014 Prof. Jan S. Vaagen (MAE) has been the Hub's Academic Director (AD) and Prof. Laszlo P. Csernai (MAE) Project Coordinator (PC, Energy). Responsible for Administration: Manager – Ole Hope and Administrator (Business Coordinator) Vidar Totland, both BRB. Rector (UoB) Prof. Dag Rune Olsen (MAE) has chaired BHAG with Ole Hope as Vice-chair.

4 March 2014: The Hub office at BRB became open for business and visitors.

30 May 2014: ***Hub Inauguration Ceremony. The Regional contract Partners (AERB) are: BRB (Business Region Bergen with City and County Council behind), UoB (University of Bergen) and NHH (the Norwegian School of Economics).***

AE 26th Annual Conference in Barcelona, 16-18 July 2014. Vaagen (AD) and Csernai represented the Bergen Hub, and plans for 2015 were presented by AD at Council meeting and at the Annual Business Meeting on 16 July 2014. The Hub (Vaagen, Csernai) also met with the board of Section B3 for a joint venture discussion.

REGULAR EVENTS ORGANIZED BY AEkhRB

BHAG Meetings: The Hub's advisory group BHAG had 6 regular meetings in 2014.

TT – Hub Topical Talks **were given in nearly all BHAG meetings in 2014, from the “tentative” start up in March. These talks open for MAE, MYAE and Hub associates (not necessarily MAE), have been important for trying out project ideas, and for forming the Hub team. The talks were as follows:**

TT Bergen 26 March: **“Efforts and investments in the North/Arctic judged from arctic science insight”**, Prof. Ole Arve Misund (MAE, BHAG) UNIS.

TT Bergen 24 April: **“Heavy Ions in Cancer Therapy”**, Prof. Dieter Röhrich (MAE) UiB.

TT Bergen 26 June: **“UNESCO in BERGEN*.Chair to UiB? Role for the Hub?”**, Prof. Nils Georg Brekke UiB (*Cultural Heritage, Food Culture, Public Awareness).

TT Bergen 6 October: **“The Nordic Model”**, Profs. (UiB) Anne Lise Fimreite (Prorector UiB), and Stein Kuhnle (MAE).

PTT – Hub Public Topical Talks – often in joint venture with other organizations. An extended (two or more hours, more than 1 speaker) version of the regular (max 1 hour, normally 1 speaker) **Topical Talk(s) (TT)** * attended by MAE, YAE and Associates of the Hub, in conjunction with regular BHAG meetings. (*The 'Forum' for the TT, rooted in Bergen history, is referred to as QuodLibet-AE, ((ask) whatever you like), reflecting the open atmosphere.).

PTT Bergen 28 November “The Nordic Seas – gold mines for the future?” Arranged in collaboration with three Norwegian Academies; The Norwegian Academy of Science (DNVA), Norwegian Academy of Technical Sciences (NTVA), The Norwegian Scientific Academy for Polar Research (NVP), and further The University Centre in Svalbard (UNIS) , Havforskningsinstituttet (Institute of Marine Research), Fiskeriforum Vest (FFV) and University of Bergen (UiB).

THEMES AND PROJECTS

The **Workplan of AEkhRB** was divided into **Themes (T)** reflecting the mission statement, and related projects (**P**) running, or to be initiated. Milestones reached or to be reached will be reported later. Themes and projects have emerged from the 2014 activity, where suggestions were scrutinized by BHAG giving the list below, and a number of candidates for future consideration. A selection criterion at start up was links to ongoing BR activities, relations to the Hub Partners, i.e. mechanisms to help a fast start-up, while at the same time keeping in mind relevance for the wider Northern Seas region. Thus, contacts with AE Sections have been useful to guarantee interest for the projects. Feedback from the London office has also been very useful. The Hub has already been/become partner in joint ventures, also guest on Nordic visits, and a future role as mentor seems to be an appreciated and a realistic ambition.

The list of themes and projects may be ordered as follows, where [acronym] indicates collaborators:

T1 ENERGY AND SOCIETY – HISTORY and HERITAGE [HFK, UNESCO –UiB]

T1-P1 Energy in the development of Northern Seas

T1-P2 Energy, Environment and Cultural Heritage of Northern Seas

T1-P3 Exploration and harvesting in Northern Seas; Reconstructing a Viking Age Energy culture

T2 ENERGY AND FOOD PRODUCTION [UNIS]

T2-P1 CSHQ (Cold Seas – Hot Questions)

T3 ENERGY IN SCIENCE [BKK, UiB]

T3-P1 BEAM – Bergen Energy and Accelerator Museum, being upgraded to become candidate for European historical (Van de Graaff) laboratory and tailored for visitors.

UiB EIA Forvaltningsplan 10312 “Kjernefysisk Laboratorium”.

T3-P2 Exploring the shores of fundamental matter

T3-P3 Fluid calculation: From Fermi Sea to Northern Sea

T4 ENERGY AND HEALTH [UiB, Helse Bergen]

T4-P1 BEAMED – Linked to BEAM and the upcoming Bergen Particle Therapy centre and other present and future Northern Seas facilities. Promoting a joint venture culture between physical sciences/technology and medicine.

AD-Vaagen represented, based on invitation from the Bergen Project, the RB Hub in Uppsala Sweden, at a Workshop in the brand new *Skandionkliniken* for cancer therapy with proton beams.

T5 ENERGY AND POWER PRODUCTION [UiB, EnergyForum]

T5-P1 Competence transfer between fossil and non-fossil production

T5-P2 A (near) future for CCS and Mongstad?

T5-P3 HOPE – Hydro and Ocean Power and Energy (EASAC partner project?)

T6 THE NORDIC MODEL IN A CHANGING WORLD [UiB, NHH]

T6-P1 Assessing dependence of NORDIC MODEL on energy/technology resources

T7-P1 TASIII- Text, Action and Space (Literature) [UiB, AAU]

AD-Vaagen has had numerous meetings with collaborators and working teams linked to the projects, and participated in relevant conferences. Vaagen followed by Csernai have served as AE representatives on the **EASAC** Energy Panel, thus integrating the Hub energy work with the joint European work.

OUTREACH TOOLS: CONSENSUS and NorSAC

28 November: BHAG decided in its meeting to organize in the future **two new types of regular events:** **CONSENSUS** (annual, spring/early summer) – Public discussion (2 hours) in the spirit of the Nordic Model - analogue to Barcelona’s DISPUTATIO.

NorSAC (annual) – **Northern Seas Achievement Colloquium:** Colloquium (Symposium) to highlight Hub-mission related scientific achievement or achievement related to strengthening interplay between Northern Seas countries.

UPCOMING REGULAR EVENTS 2015

CONSENSUS2015 (June): Is the Nordic Model fading – Outdated? What do we learn from Piketty?

NorSAC2015 (July) Lessons from - Exploring the Shorelines of Fundamental Matter.

SPECIAL EVENTS 2014, also with the Hub as co-organizer

Hub Inauguration Ceremony 30 May, Bergen, Papers by L.Walløe, A.Buttimer, and J.S.Vaagen

Workshop on Law of the Sea, 25-27 June, Bergen, Norway

Energikonferansen 2014 5-6 August, Haugesund, Norway

International Workshop on Collectivity in RHIC (IWOC 2014), 14-20 September, Kolymbari, Greece

Symposium on “Text, Action and Space (TASIII)”, 12-15 December, Paris, France

Preparation for SPECIAL EVENTS 2015 (also with Hub as co-organizer/participant):

Arctic Frontiers: Climate and Energy, 18-23 January, Tromsø, Norway

YAE meeting in Bergen, 15-16 June, in conjunction with AE board meeting

EASAC/JRC Meeting on Nuclear Energy and Management of Spent Fuel, 17 June

AE Board Meeting and CONSENSUS 2015 in Bergen, 7-18 June

AE Ann. Conf. 2015, 7-11 September, Darmstadt “**Symbiosis/Synergy of Humans & Technology**”, Hub a possible co-organizer of Session

ENLIGHT2015 (Fall) Bergen on **Particle Therapy**

“Paths on the Seas; The routes to Discoveries”, Lisbon Fall 2015 (contribution)

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Prof. Jan S. Vaagen, Hub Academic Director

Vidar Totland, Hub Business Coordinator

2014 New members elected

Following two-days of deliberations by Section chairs and a formal decision by the Council on July16: the following new members were invited into membership and subsequently accepted during the course of the year.

Sect.		Full name	Country
A1		History & Archaeology (17)	
A1	1.	Álvarez Junco José	Spain
A1	2	Geoffrey Bailey	UK
A1	3	Gérard Bossuat	France
A1	4	ISABEL-MAURA BURDIEL	Spain
A1	5	Robin Dennell	UK
A1	6	Jos Gommans	Netherlands
A1	7	Slavko Kacunko	Denmark

Sect.		Full name	Country
A1	8	Margit Kern	Germany
A1	9	Marek Kornat	Poland
A1	10	Gabriele Lingelbach	Germany
A1	11	Elio Lo Cascio	Italy
A1	12	Paolo Malanima	Italy
A1	13	Giorgio Riello	UK
A1	14	Bogdan SZLACHTA	Poland
A1	15	Manon Van der Heijden	Netherlands
A1	16	Eric Vanhaute	Belgium
A1	17	James Walvin	UK
A10		Economics, Business & Management Sciences (5)	
A10	2	Richard Blundell	UK
A10	3	Vincent Crawford	UK
A10	4	Jan Eeckhout	UK
A10	5	Frederick van der Ploeg	UK
A2		Classics & Oriental Studies (12)	
A2	1	Øivind Andersen	Norway
A2	2	John Briscoe	UK
A2	5	Marcus Deufert	Germany
A2	6	Eleanor Dickey	UK
A2	7	Johannes Haubold	UK
A2	8	Geoffrey Khan	UK
A2	9	Paolo Liverani	Italy
A2	10	Gesine Manuwald	UK
A2	11	Timon Screech	UK
A2	12	Jakob Wisse	UK
A3		Linguistic Studies (17)	
A3	1	Isabelle BRIL	France
A3	3	Didier Demolin	France
A3	4	Konrad Ehlich	Germany
A3	5	András Kertész	Hungary
A3	6	Bernd Kortmann	Germany
A3	8	Shalom Lappin	UK
A3	9	Melanie Malzahn	Austria
A3	10	William McGregor	Denmark
A3	12	Stefan Müller	Germany
A3	14	Tobias Scheer	France
A3	15	Klaus von Heusinger	Germany
A3	17	Ulrike Zeshan	UK

Sect.		Full name	Country
A4.		<u>Literary & Theatrical Studies (27)</u>	
A4	1	Lucia Boldrini	UK
A4	2	Rosi Braidotti	The Netherlands
A4	3	Daniela Carpi	Italy
A4	4	Valentine Cunningham	UK
A4	5	Peter De Bolla	UK
A4	6	Lieven d'Hulst	Belgium
A4	7	Kirsten Drotner	Denmark
A4	8	Davor Dukic	Croatia
A4	9	Regenia Gagnier	UK
A4	10	Gabriella Giannachi	UK
A4	12	Achim Hölter	Austria
A4	13	Alfred Hornung	Germany
A4	15	Oliver Jahraus	Germany
A4	16	Albrecht Koschorke	Germany
A4	17	Vivian Liska	Belgium
A4	18	Mario Maffi	Italy
A4	19	Jean-Marc Moura	France
A4	20	John Neubauer	The Netherlands
A4	22	Carlos António Alves Dos Reis	Portugal
A4	23	Jean-Marie Schaeffer	France
A4	25	Anja Tippner	Germany
A4	27	Rüdiger Zymner	Germany
A5		<u>Musicology & History of Art & Architecture (15)</u>	
A5	1	Stephen Bann	UK
A5	2	Salwa El-Shawan Castelo-Branco	Portugal
A5	3	Sonia Cavicchioli	Italy
A5	4	Peter Gillgren	Sweden
A5	5	Nikša Gligo	Croatia
A5	6	Karin Gludovatz	Germany
A5	7	Pascal GRIENER	Switzerland
A5	9	Philippe MOREL	France
A5	10	Lynda Nead	UK
A5	11	Yves PAUWELS	France
A5	12	Ulrich Pfisterer	Germany
A5	13	Raphael ROSENBERG	Austria
A5	14	Victor Stoichita	Switzerland
A5	15	Joan Sureda	Spain
A6		<u>Philosophy, Theology & Religious Studies (6)</u>	
A6	1	Patrick Blackburn	Denmark
A6	2	Sten Ebbesen	Denmark
A6	3	Gerhard Heinzmann	France

Sect.		Full name	Country
A6	4	Hannes Leitgeb	Germany
A6	5	Øystein Linnebo	Norway
A6	6	Richard Sorabji	UK
A7		<u>Behavioural Sciences (12)</u>	
A7	1	Ton de Jong	The Netherlands
A7	2	Mara Dierssen	Spain
A7	3	Guillén Fernández	The Netherlands
A7	4	Charles Hulme	UK
A7	5	Ulman Lindenberger	Germany
A7	6	Simon Marginson	UK
A7	8	Antje Meyer	The Netherlands
A7	9	Michele Rostan	Italy
A7	10	Natalie Sebanz	Hungary
A7	12	Marijk Van der Wende	The Netherlands
A8		<u>Social Sciences (11)</u>	
A8	1	Jüri Allik	Estonia
A8	2	Torben Magnus Andersen	Denmark
A8	4	Michael Keating	UK
A8	5	Claude LACOUR	France
A8	6	Øyvind Østerud	Norway
A8	7	Sinisa Malesevic	Ireland
A8	8	Iver Neumann	UK
A8	9	Nicholas Rengger	UK
A8	10	David Sauri	Spain
A8	11	Michael Zürn	Germany
A9		<u>Law (4)</u>	
A9	1	Paul Oberhammer	Austria
A9	2	Vassilios SKOURIS	Luxembourg
A9	3	Manfred Stelzer	Austria
A9	4	Reinhard Zimmermann	Germany
B1		<u>Mathematics (13)</u>	c. Jurg Kramer
B1	1	Hélène Esnault	Germany
B1	2	Gerd Faltings	Germany
B1	3	Jean-Marc Fontaine	France
B1	4	Gerhard Huisken	Germany
B1	5	David Masser	Switzerland
B1	6	Dusa McDuff (FOREIGN)	United States
B1	7	Izak (Ieke) Moerdijk	The Netherlands

Sect.		Full name	Country
B1	8	János Pach	Switzerland
B1	9	Alfio Quarteroni	Switzerland
B1	10	Domokos Szász	Hungary
B1	11	Lucien Szpiro (FOREIGN)	United States
B1	12	Emmanuel Ullmo	France
B1	13	Claire Voisin	France
B2		Informatics (17)	
B2	1	Luca Aceto	Iceland
B2	2	Moncef Gabbouj	Finland
B2	3	Leslie Ann Goldberg	UK
B2	4	Michael (Mike) Hinchey	Ireland
B2	5	Edward Hirsch	Russia
B2	6	Janusz Kacprzyk	Poland
B2	7	Wolfgang Lehner	Germany
B2	8	Yuri Matiyasevich	Russia
B2	9	Miodrag Mihaljevic	Serbia
B2	10	Tova Milo	Israel
B2	11	Christine PAULIN-MOHRING	France
B2	12	Frank van Harmelen	The Netherlands
B2	13	Nikolai Konstantinovich Vereshchagin	Russia
B2	14	Victor Vianu	France
B2	15	Martin Vingron	Germany
B2	16	Gerhard Woeginger	The Netherlands
B2	17	Viktor Aleksandrovich Zinoviev	Russia
B3.		Physics & Engineering Sciences (39)	
B3	1	Karol Życzkowski	Poland
B3	2	Faïçal AZAIEZ	France
B3	3	Bernard Barbara	France
B3	4	Zdenek Bazant (FOREIGN)	United States
B3	5	Francesco Becattini	Italy
B3	6	Ivan Bozovic	Serbia
B3	7	Larissa V. BRAVINA	Norway
B3	8	Vladimír Bužek	Slovakia
B3	9	Guanrong Chen (FOREIGN)	Hong Kong
B3	10	LOUCAS CHRISTOPHOROU	Greece
B3	14	Ernesto Estrada	UK
B3	16	Herbert Gleiter	Germany
B3	17	László Gránásy	Hungary
B3	19	Gerhard A. Holzapfel	Austria
B3	20	Detlef Hommel	Poland
B3	21	Joseph Octave Indekeu	Belgium
B3	22	Tomáš Jungwirth	Czech Republic
B3	23	Katalin Kamarás	Hungary

Sect.		Full name	Country
B3	26	Terence G. Langdon	UK
B3	27	Elliott Hershel Lieb (FOREIGN)	United States
B3	29	Shoji Nagamiya (FOREIGN)	Japan
B3	31	Matjaž Perc	Slovenia
B3	32	Marek Potemski	France
B3	33	Alfredo Poves	Spain
B3	36	Ares Rosakis (FOREIGN)	United States
B3	37	Roland Sauerbrey	Germany
B3	38	Hans Stroehler	Germany
B3	39	Eric Suraud	France
B4		<u>Chemical Sciences (4)</u>	
B4	2	Francisco Lloret	Spain
B4	3	Paolo Samori	France
B4	4	Mikhail A. Vorotyntsev	Russia
B5		<u>Earth & Cosmic Sciences (10)</u>	
B5	1	Katharine Cashman	UK
B5	2	Massimo Cocco	Italy
B5	4	R Giles Harrison	UK
B5	5	Wolfgang Hillebrandt	Germany
B5	6	Joan Marti	Spain
B5	7	Herbert PALME	Germany
B5	8	Christoph REIGBER	Germany
B5	11	Manel Fernandez	Spain
C1		<u>Biochemistry & Molecular Biology (21)</u>	
C1	1	Lucia Banci	Italy
C1	2	Federico Bussolino	Italy
C1	3	ILAN CHET	Spain
C1	4	Elena Conti	Germany
C1	5	Pierre-Jean CORRINGER	France
C1	7	Olga Dontsova	Russia
C1	8	Rainer Friedrich	Switzerland
C1	9	Alexander Gabibov	Russia
C1	11	Anne Lesley Glover	UK
C1	12	Ulrike Kutay	Switzerland
C1	13	Susanne Mandrup	Denmark
C1	16	Nicolas Thomä	Switzerland
C1	17	Janet Thornton	UK
C1	18	Peter Tompa	Belgium
C1	19	Gabriel Waksman	UK
C1	21	Mihaela Zavolan	Switzerland

Sect.	Full name	Country
C2	Cell Biology (11)	
C2	1 Silvia Arber	Switzerland
C2	2 Daniela Corda	Italy
C2	3 Elaine Dzierzak	UK
C2	4 Anthony A. Hyman	Germany
C2	5 PHILIP INGHAM (FOREIGN)	Singapore
C2	6 Thomas Lecuit	France
C2	7 Alberto Luini	Italy
C2	8 Jan-Michael Peters	Austria
C2	9 Valeria POLI	Italy
C2	10 Giulio Superti-Fur	Austria
C2	11 Nektarios Tavernarakis	Greece
C3	Physiology & Medicine (15)	
C3	1 Amparo Acker-Palmer	Germany
C3	2 Timothy Bliss	UK
C3	6 Johannes Jansen	The Netherlands
C3	7 Rohini Kuner	Germany
C3	10 Milos Pekny	Sweden
C3	11 Pasko Rakic (FOREIGN)	United States
C3	12 Jan Paul Vandenbroucke	The Netherlands
C3	13 Joannes (Han) van Krieken	The Netherlands
C3	14 Peter Wells	UK
C4	Organismic & Evolutionary Biology (10)	
C4	1 Jérôme CHAVE	France
C4	2 Franck Courchamp	France
C4	3 Dianne Edwards	UK
C4	4 Xavier LE ROUX	France
C4	5 Lluís Quintana-Murci	France
C4	7 Pierre TABERLET	France
C4	8 Christophe Thébaud	France
C4	9 Wilfried THUILLER	France
C5	Applied & Translational Biology (0)	
C5	1 Mondher Bouzayen	France
C5	3 David Eckersall	UK
C5	5 Mikko Petteri Heino	Norway
C5	6 Felicity Huntingford	UK
C5	7 Peter A. Lakatos	Hungary
C5	8 Peter Neumann	Switzerland
C5	9 Nick Talbot	UK
C5	10 Petra Susan Huppi	Switzerland

Council agreed to continue the refine the online system for nominations. The work was under the developmental control of Professor Maurer MAE – Trustee (Technical University of Graz).

Publications

The Academia's quarterly journal the European Review, is published by the Cambridge University Press and is distributed online to all members of the Academia and to other subscribers. The Review has included papers presented at several of the events described in the 2013 report, including the 2013 Erasmus Lecture (Wroclaw). The circulation of the journal showed a small increase in institutional subscriptions. There was an increase in the number of 'focus' sections within the journal and an **Open Access** supplement "Basic Ideas in Science: The Concept of Law in Science" was published (Vol 22 Suppl. 1, May 4 This had been sponsored by the Klaus Tschira Stiftung. The Journal received an improved impact factor from Thomson-Reuters. The Board of trustees would like to thank Prof Theo D'Haen (Leuven) for his work as Editor-in-Chief of the Review.

An AE HERCuLES group - Wenner Gren Foundations volume was published in the Wenner Gren International Series (number 87) – "Bibliometrics: Use and Abuse in the Review of research Performance" – Edited by Professors Wim Blockmans MAE, Lars Engwall MAE and Denis Weaire MAE and published by The Portland Press (ISBN 978-1-85578-195-5). The papers are available online and **free access** at www.portlandpress.com/pp/books The Trustees would like to thank the Trustees of the Wenner Gren Foundatons (Stockholm) for their continued support of the HERCuLES group events.

Communications

During the year an A-Z membership directory for 2014 was published in time for the Barcelona AGM, new communication leaflets were printed and exhibition materials created and made available online and through E-newsletters to members. The corporate web site www.ae-info.org was further refined and developed including accommodating the Wroclaw Hub webpages. General but increased frequencies of mailings to members were delivered, including specific Section and Hub mailings. The Wroclaw and Barcelona Hubs also managed their own website content (http://www.ae-info.org/ae/Acad_Main/Wroclaw_Knowledge_Hub and (<http://barcelona.acadeuro.org/>) and the Bergen Hub established its own website. The Young Academy of Europe website at <http://yacadeuro.org/> was linked and maintained by the YAE.

As a subscribing member of the European Academies Science Advisory Council (EASAC) , the AE has continued to publicise the expert reviews and reports of that body to appropriate sections of the membership and through the Electronic newsletters and links on our website.

During the year, officers and Board members establish a regular discussion forums with other European organisations, notably ALLEA (All European Academies) , FEAM, EUROCase and EASAC for the development of future collaborative projects and coordinated policy advice activities.

The Trustees, Council and their subcommittees

During 2014, the Board of Trustees met on; 9 January (Barcelona), 14 April (Wroclaw), 16 July (Barcelona), 17 November (London). All meetings were quorate. The Council met in Barcelona on 16 July. The Council's Nominations Subcommittee met on 14-15 July also at Barcelona.

Annual Business Meeting 2014

The 2014 AGM took place at the Institut d'Estudis Catalans, Barcelona, on 16 July, 2014. The President was in the Chair for the last time. There were 60 members present. The minutes of the 2013 AGM were approved and signed. In accordance with the regulations: Members present elected Professor Sierd Cloetingh to the Presidency for a three-year term. The members noted the retirement during the year of co-opted Trustees, Professors Langer and Mas Colell. Professors Dingwell and Larsen were appointed as Trustees by the Council with effect from January 2014 and for a three-year term. The members received reports from the Treasurer and approved motions to appoint the auditors. Members also adopted the 2012 activities report and noted the audited annual accounts. The AGM approved a motion to set the 2014 member fees at 120 Euros per member and to continue with the current policy of exemptions. The AGM received reports from the Chair of the Nominations sub Committee (Prof. Petersen who also described the proposed creation of four Academic Classes and set out the timetable and outline operations for the nominations system under the new structure.; Editor-in-chief of the European Review (Prof. D'Haen), Academic Director (elect) of the Barcelona Hub (Prof. Guerrero) and the manager of the Wroclaw Hub (Dr Nowak). Professor Vaagen presented information about the third Hub

approved for Bergen. Professor Gyulas reported that the Council had agreed to award the 2015 Erasmus Medal to Prof. Edith Hall (Literature and Theatrical Studies). Dr Andre Mischke (President of the Young Academy of Europe) gave a short report as did Prof. dr Dieter Fellner who introduced the 2015 Annual conference to be held at the Fraunhofer Institute in Darmstadt (September 2015).

Section reports

In 2007, Council adopted a policy setting out the procedures for the governance and management of Sections and their committees. All Section chairs are expected to provide a short report to the Annual Business meeting of member and for inclusion into the annual report. The following Sections have submitted a report for 2014:

Law Section

"The Section Committee was in contact by correspondence and has successfully nominated four new members. Based on the experience with the workshop held at the Annual Meeting in Wroclaw, where excellent lectures were presented but the attendance, especially from the Law Section, was very modest, the Committee refrained from organizing a workshop at the Barcelona Conference.

Following the Barcelona Conference, the Chair has directly contacted Prof. Fellner, co-organizer of the Annual Meeting in Darmstadt in 2015 with the idea to have a panel in the plenary dealing with various aspects of stem cell research and the exploitation of its results. In the meantime the panel composed of Prof. Zimmermann (science), Prof. Rehmann-Sutter (ethics) and Prof. Taupitz (regulatory issues) has been established. The Chair will moderate the panel and also cover the IP issue.

Because the term of the Chair will end in September 2015, the Committee Members have been invited to submit suggestions for the new Chair.

It should be added that the Chair has also been active as the Chair of the Permanent Working Group on Intellectual Property of ALLEA in which various issues of interest for the AE have been discussed and some statements released."

Joseph Straus
Chair Law Section

Linguistic Studies

The Section, and especially the Section Committee, were active in proposing nominations of new members. Seventeen nominations were received from members of the Section and backed up by a second nominator, whereas those proposed only by one nominator were not further considered. All the seventeen nominees were considered of good quality and supported by the Section Committee whose members graded and ranked them. Twelve of them have been elected at the Annual meeting of the AE in Barcelona in July 2014. The five who were not elected were considered as having a grade too low and therefore not placed at a sufficiently high rung in the final ranking order to be retained.

The Section Chair and several members of the Section, in collaboration with the Wroclaw hub of the AE, have planned a workshop in 2014 on "Language endangerment and revitalization" which will be held from 17-19 September 2015 in Poznan, as a satellite meeting of the 45th Poznan Linguistic Meeting. Several members of the Section will attend the meeting.

The Chair of the Section and another member of the Section have also attended the joint meeting organized by the Humanities sections of the AE and National Tsing Hua University in China. The meeting, on the cooperation between Europe and China in the domain of Humanities and Social Sciences, but also on cultural differences between China and the West, took place in Beijing (NTHU university) on 15-17 May 2014.

Finally, new members were elected in 2014 to the section committee and approved by the presidency of AE: Katarzyna Dziubalska-Kolaczyk (Poland) and Pier Marco Bertinetto (Italy). Moreover, Pier Marco Bertinetto has been appointed Vice-Chair of the Section.

Alain Peyraube, Chair of the Section Committee

Social Sciences

Professor Anne Buttimer, chair of the Section in 2014, as Board member was appointed to a Sub-Committee, chaired by Ole Petersen, charged with a critical examination of the current procedure on nominations. Among the committee's recommendations was the proposal to group existing sections into classes (1) Humanities, (2) Social Sciences, (3) Physical/Exact Sciences and (4) Life Sciences and medicine. Our Section is thus

grouped with A7 Behavioural Sciences, A9 Law and A 10 Economics, Business and Management Sciences. The “class” structure was designed to enable members to examine gaps and possible overlaps in disciplinary representation and also to explore alternative procedures for the final scrutiny of nominations. At a recent Board meeting, Anne was appointed as Interim Chair of the Social Sciences Class.

The Section published in 2014 its Newsletter N°6 giving information on the April Board Meeting and on the programme for the Annual Barcelona Conference. A special session was organized on July 18, late afternoon, at the Institut d’Estudios Catalans on “International Migration and Social Integration” chaired by Professor Stüre Öberg and on “New Regionalism: Frontiers for New Generation in a Global World” chaired by Professor Antoine Bailly.

Ten new members were elected in the Section, Juri Allik (Psychology, Estonia), Torben Anderson (Economics, Denmark), Michael Keating (Politics, Scotland), Claude Lacour (Economics, France), Sinisa Malesevic (Sociology, Ireland), Iver Newmann (International Relations, Norway), Oyvind Osterud (Political Science, Norway), Nicholas Rengger (International Relations, Scotland) , David Sauri, Michael Zurm.(Governance, Germany)

On the occasion of the Barcelona conference, too, Anne organized and chaired a meeting with Section Chairs. Nineteen out of the twenty chairs attended and discussions were lively. Among recommendations to the Board was a strong case for Sections to be more centrally involved in the programmes of annual meetings, the need for Section agenda to involve more than simply the recruitment of new members, and the need to offer precise guidelines to new members about their potential contributions to the Academia.

The Section again hosted, jointly with the Austrian Academy of Sciences, another conference on “Turkey and Europe: Cultural Aspects” held in Maria Plain, Austria on September 24-26 2014, organized by Professor Stagl. Papers are currently being edited for publication in European Review. We have also decided to join the project entitled “Otherness: Coping with Human Diversity” proposed by Professor Ferrini, with a major theme “Construction and Reconstruction of Identities and Territorialities” with specific contributions to be shared during the 2015 Annual conference in Darmstadt. A follow up of these themes is proposed for the Darmstadt 2015 Annual Conference.

From January 2015 the new chair is Professor Antoine Bailly, a geographer from Switzerland.

Physics and Engineering (P&E) Section

1- Section members nominated 39 new members by April 30, 2014. The Section Committee ranked these nominations at its meeting at the Institut de Physique Nucléaire in Orsay (IPNO), Paris on Monday, 12 May 2014. Of the 39 candidates two were female. In its meeting on 15 July in Barcelona, the membership Selection Committee selected 28 candidates (Physics, Engineering and Foreign members) out of the total of 39. Both female candidates were elected. Unfortunately, very few female candidates are nominated every year for the P&E Section.

During the meeting of the Section Committee at IPNO, several other issues of importance to the P&E Section and AE were discussed following the completion of the ranking of the candidates. Most of the time was devoted to discussing the information supplied by Jan S. Vaagen, the newly appointed Academic Director of the AE Bergen Knowledge Hub and member of our Section Committee, in a memo to our Section. The structure of the Bergen Hub is completed and three sections were set up, with Section C dealing with energy and environment issues being coordinated by Laszlo Csernai, past chair of P&E Section. Sections in AE can prepare for collaborations with the Hub; in particular, our P&E Section can collaborate with Section C of the Bergen Hub on energy and environmental topics useful not only for future joint work with the Bergen Hub but also for ongoing work in EASAC.

2- Two of the P&E Section Committee members Joerg Aichelin and Pavel Exner, whose first term would end in 2014, were re-elected by the P&E Section Committee after its meeting in Orsay. Pavel Exner remains as Section Vice-chair. Furthermore, the Section elected two new Section Committee members in October 2014: Maciej Ogorzałek (Poland) and Minh Quang Tran (Switzerland). The elections of Ogorzałek and Tran were approved by the AE Council.

3- An informal meeting of the Physics and Engineering Section was organised in conjunction with the AE Annual Conference in Barcelona, Spain. Because of the very small number that was expected to arrive on Monday, 14 July it was decided to have a dinner together on Monday evening and have informal discussions. Jan S. Vaagen informed those present during the dinner about the developments with the AE Bergen Knowledge Hub and discussed possible collaborations between the Hub and our Section.

Musin N. Harakeh (Chair)

Literary and Theatrical Studies

1) Scholarly work:

- i) The section has introduced a new instrument to support members engaged in a variety of projects: networks, research projects, conferences etc. The Chair will, in consultation with the Committee, issue a letter of endorsement to the project if found qualified after application. This does not imply financial support, but the right to use the AE logo (via David Coates), to announce to the membership via the webeditor in Graz, to appear on the AE website and the website of the relevant Hub, and refer to the AE in application for funding. Cooperation with one of the Hubs is encouraged. Four such endorsement has been issued to Profs. Fludernik (Freiburg), Segal (London), Onega (Zaragoza) and Lombardo (Geneva) with Prof. Sætre (Bergen).
- ii) Eight members of the section have contributed with a joined paper to the special issue of Humanities on the future of humanities, edited by Prof. Ferrini (Trieste)
- iii) The section organized, again, a panel at the annual conference in Barcelona, this time on "Theater, Film and the Political", July 18 2014

2) Section:

- i) On its meeting in Jan 2014 the AE Board accepted the proposal for a new section on "Film, Visual Media and Media Studies". Because of the ongoing on a general reorganization of AE the work was postponed. With the new class structure in place, the work has begun, led by Prof. Drotner (Odense), with the first nominations brought forward within the present round and with final approval in Darmstadt.
- ii) The Chair has circulated 4 news letters to all sections members.
- iii) The section had 22 new members in the nomination round of 2014.
- iv) In 2014 Prof. Edith Hall (London) from our section was selected as the Erasmus medalist for 2015.

3) Committee:

- i) The Committee has met twice, in Berlin Jan 2014 and in Barcelona July 2014.
- ii) The term has ended for two members, Profs. D'haen (Leuven) and Mathews (London). New members are Profs. Onega (Zaragoza) and Boldrini (London)

4) Other Commitments:

- i) The section chair, Prof. Larsen, served as member of the task force, chaired by Prof. Petersen, serves as the new interim class chair of the Class of Arts & Letters, as member of the Board of Trustees, as member of the Hercules Group and as member of the advisory group of the Bergen Hub.

Svend Erik Larsen (Chair)

Informatics

The 2014 AE Erasmus Medal was awarded to prof. Kurt Mehlhorn, a member of the Informatics Section and the chair of the Informatics Section presented the laudatio for that occasion.

16 new members were elected, and all of them accepted membership of the Informatics Section.

Three members passed away: Jacques Arsac, Ivan Stojmenovic, and Wilfried Brauer.

Per the end of 2014 the Informatics Section had 218 members and 9 former members.

During the AGM in Barcelona We had a session devoted to informatics chaired by Carlo Ghezzi consisting of two parts: NEFI (new frontiers in informatics) with presentations by: Jordi Cortadella, Carme Torras, Mario Perez Jimenez, Martin Golumbic, and Pere Brunet, and subsequently a session on big data, data science, and data analytics with presentations by Ricardo Baeza-Yates, Veljko Milutinovic, Arnolds Smeulders, and Hermann Maurer.

During 2014 the Section Committee consisted of: Jan Bergstra (chair), Dieter Fellner, Carlo Ghezzi, Hermann Maurer, Paul Spirakis, and Reinhard Wilhelm.

Jan Bergstra

Applied and Translational Biology Section

1- This section is one of the most recently established, and the list of membership is therefore low. By end of 2014 the section consists of 16 members and over 30% are women.

2- Section members and AE members nominated 9 new members by May 31 2014, some were carried forward candidates from the 2013 (Wroclaw) nominations cycle. The ranking was done during e-mail correspondence. All except one went through.

3- Anne Gro Veia Salvanes (Norway) was elected as new Section Committee Head at the Council meeting in Barcelona.

4- A seminar of the Applied and Translational Biology meeting was organized at the Bergen HUB together with the University in Bergen and the Norwegian Academy of Science and Letters, by Ole Arve Misund and Anne Gro Veia Salvanes on Friday 28th November from 15:00 to 18:00. The theme was “The Nordic Seas – gold mines for the Future” and the meeting concluded with a visit to the “Cold water – Hot issues” exhibition at the Bryggen Museum, Bergen (see: <http://www.regionbergen.no/page/3/activity/312/-the-nordic-seas-gold-mines-for-the-future->). The exhibition was developed for the celebration of Norway's 200 years of independence. Unfortunately, the attendance was lower (20-30 people) than expected due to many other competing events in town.

Anne Gro Salvanes

Section of Biochemistry and Molecular Biology

1. Statutory Participation in Selection of new AE Members
2. Participation of a Chairman in Erasmus Award Committee
3. Help to Joseph Straus (Law Section) in identification of speakers and organization of the 2015 AE Meeting session on Medical, Ethical and Legal Issues associated with the use of Stem Cells

Witold Filipowicz

Statement of Trustees' Responsibilities

The Trustees (who are also the directors of The Academia Europaea 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
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charitable company will continue in operation.

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 audit information of which the charitable company's auditor is unaware; and
- the trustees have taken all steps that they ought to have taken to make themselves aware of any relevant audit information and to establish that the auditor 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 are satisfied that systems are in place to mitigate our exposure to these risks. However, the situation will be kept under constant review.

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 period 1 January 2014 - 31 December 2014. 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

Reserves Policy

The total funds for the nine months ended 31 December 2014 was 154,491 Pounds [YE 31 December 2013, 84,261], out of which the restricted funds was 59,892 Pounds (31 December 2013, 54,841] and the accumulated fund was 94,599 pounds [31 December 2013, 29,780]. 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

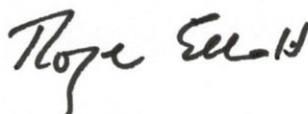
Income and expenditure for the period ended 31 December 2014

The year was one of more progress towards stability. Overall finances were more positive especially with respect to membership donations and income from Hubs. Reserves are not yet at the recommended level. The Charity operates at an effective zero balance budget. Members' subscription income was up on the forecast at (net) £152.5K. Sponsorship continued to be successful. The second year of the Riksbankens Jubileumsfond senior summer schools in the Humanities (also operated out of Wroclaw) and the continuing sponsorship of HERCULES events in Higher Education by the Wenner Gren Foundations. The Board continued to recognise the difficulty in obtaining core financial support from public and many private institutions. However, during the year, negotiations for a third regional hub in Bergen were completed and resulted in the first annual contribution of 50K Euros, in addition to the 50K Euros from the Barcelona Hub sponsors and the final year of the 20K Euro cost offset facility provided by Wroclaw.

Signed on 17 June 2015 at Bergen



Sierd Cloetingh, President



Roger Elliott, Treasurer

Annex 1a Trustees, Council, Nominations sub Committee and Section Committee composition as at 31st December 2013

At the present time: 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 (elected by the Council) and a number of co-opted (by the Board) members. The Regulations are used to determine numbers and balance up to the limit of 15. The current formula is: President, two vice presidents (approved by AGM in 2012); Treasurer. Three members from the Council. A maximum of 4 co-opted members. We currently have 4 co-opted members.

Board members serve for a period set out in the regulations (which can be changed only by an AGM). This currently is 3+3 years for elected officers and a single 3 years period for members appointed from the Council. Co-Opted members are re-appointed (annually of for a period) subject to approval by the AGM.

Members of the Board of Trustees (at 31 December 2014)

The President – Prof. Lars Walloe (until July 2014) – Prof. Sierd Cloetingh (Utrecht) from July 2014

The Treasurer – Prof. Roger Elliott (Cambridge)

The Vice President – Prof. Sierd Cloetingh (Utrecht) – until July 2014

The Vice President – Prof. Anne Buttimer (Dublin)

Ole Petersen, (UK) (Chair of the Nominations committee – co-opted); Theo D'Haen, (B) (Editor-in-chief – European Review – co-opted); Jerzy Langer, (PL) (co-opted) – until April 2014 ; Andreu Mas-Colell (ESP) (co-opted) – until July 2014, Professor Hermann Maurer (co-opted), Svend Erik Larsen (DK) (from Council – Humanities and Social Sciences), Don Dingwell (D) (from Council – Sciences), Balazs Gulyas (HUN) (from Council – independent)

Academia Europaea - Composition of the Advisory Council (at 31 December 2014)

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) on Council. 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>				
<u>Vice-President(s)*</u>				
<u>Treasurer*</u>				

Independent Council Members elected by AGM

Laszlo Csernai, Bergen	B3	Sept 2013	2016	
Marie Farge, Paris	B3	Sept 2013	2016	
Balazs Gulyas, Stockholm*,	C3	Sept 2010	2013	2016

Plus all the Chairs of Sections (as follows).

Academia Europaea Section Committees Chairpersons and Committee Members¹ 14 January 2015

CLASS A1

A1 History & Archaeology

Chairperson²: Renate Pieper (2016/2019)⁴

Renate.pieper@uni-graz.at

Dept. History. Karl-Franzens University, Atteggasse 8, 8010 Graz, Austria

Committee³: Graeme Barker (first term ends AGM 2016), Pieter Emmer (first term ends AGM 2016), Nicholas Canny (First term ends AGM 2016), Michael North (first term ends AGM 2016), Ryszard Stemplowski (first term ends AGM 2016)

A2 Classics & Oriental Studies

Chairperson: Harm Pinkster (2016)

h.pinkster@uva.nl

* Members of the Board (of Management)

Herengracht 102G, 1015 BS Amsterdam, THE NETHERLANDS

Committee: Carmela Baffioni, Irene de Jong, I. Hijya-Kirschner, Tonio Hölscher, Juha Janhunen, Barbara Kellner-Heinkele (to AGM 2014), Heikki Solin

A3 Linguistic Studies

Chairperson: Alain Peyraube (Nov. 2013/ AGM. 2016)

peyraube@ehess.fr

Ecole des Hautes Etudes en Sciences Sociales, 54 Bvd. Raspail , 75006, Paris

Committee: Bernard Comrie (till AGM 2017), Maria Koptjevskaja –Tamm (first term ends AGM 2016), Greville Corbett (till AGM 2017), Wolfgang Dressler (till AGM 2016), Pier Marco Bertinetto (first term ends AGM 2017), Katarzyna Dzoibalska-Kolaczyk (first term till AGM 2017)

A4 Literary & Theatrical Studies

Chairperson: Svend Erik Larsen (2015)

litsel@dac.au.dk

<http://au.dk/litsel@hum>

Institute of Aesthetic Studies, Dept. of Comparative Literature, Aarhus University, Langelandsgade 139, DK 8000 Aarhus C, Denmark

Committee: Vladimir Biti, César Dominguez, Ottmar Ette, Marko Juvan (to end 2017), Lucia Baldini (to end 2017, renewable), Susana Onega (to end 2017, renewable)

A5 Musicology & History of Art & Architecture

Chairperson: Philippe Vendrix (2016)

vendrix@univ-tours.fr

11, Rue de Parçay, 37100, Tours, FRANCE

Committee: David Hiley (till December 2017), Christian Leitmeir, Laurenz Lütteken, Lynda Nead, Raphael Rosenberg, Victor Stoichita, Valeska von Rosen (all till December 2017, renewable)

A6 Philosophy, Theology & Religious Studies

Chairperson: Simo Knuuttila (2015)

simo.knuuttila@helsinki.fi

University of Helsinki, Dept. of Systematic Theology, PO Box 33 - Aleksanterinkatu 7, Helsinki 14, FINLAND

Committee: Tim Crane (Chair elect from AGM 2015) , Christophe Marksches, Onora O'Neill

CLASS A2

A7 Behavioural Sciences

Chairperson: Peter Scott (2016/2019):

p.scott@ioe.ac.uk

University of London, Institute of Education. 20, Bedford Way, London. WC1H 0AL

Committee: Uta Frith, Terrie Moffit, Kurt Pawlik, Ulrich Teichler, Johan P. Mackenbach, Archana Singh-Manoux,

A8 Social Sciences

Chairperson: Antoine Bailly (to end 2017, renewable) (Prof. Anne Butimer retired at the end of 2014)

Antoine.Bailly@unige.ch

Rue de la Tour 51, 1867 Ollon, Switzerland

Committee: Alesandro Cavalli, Yale Ferguson, Sture Oberg, Justin Stagl, Yola Verhasselt Maria Paradiso (until Dec 2017, renewable), Maria Dolores Garcia-Ramon (Until Dec. 2017 renewable), Alun Jones (until Dec 2017, renewable)

A9 Law

Chairperson: Joseph Straus (2015)

j.straus@ip.mpg.de

Max Planck Institute for Intellectual Property and Competition Law, Marstallplatz 1, Munich, D-80539, GERMANY

Committee: Dagmar Coester-Waltjen, William Cornish, Attila Harmathy, Eivind Smith, Ditlev Tamm, Verica Trstenjak, Alain Strowel

A10 Economics, Business and Management Sciences

Chairperson: Klaus Zimmermann (Nov 2014/Nov 2017)

zimmermann@iza.org

Director of IZA, Schaumburg-Lippe-Str. 5-9, 53113 Bonn, Germany

Committee: Gianmarco Ottaviano, Jeroen van den Bergh,

CLASS B

B1 Mathematics

Chairperson: Jürg Kramer (to 2016 - renewable):

Dept. Mathematics. Humboldt University, Unter den Linden 6, 10099 Berlin.

Kramer@math.hu-berlin.de

Committee: Jean-Michel Bismut [to Sept. 2016], Helmut Hofer [to Sept 2016], Nigel Hitchin [retires 2017], Philippe Michel [to 2016], Umberto Zannier [to Sept 2016], Alfio Quarteroni [to Dec. 2017, renewable]

B2 Informatics

Chairperson: Jan Bergstra (Oct 2013/Sept 2016)

(Informatics Institute): Science Park 904, 1098 XH, Amsterdam, The Netherlands

j.a.bergstra@uva.nl

Committee: Hermann Maurer (to AGM 2014), Dieter Fellner (first term ends AGM 2015), Paul Spirakis (to 2017), Reinhard Wilhelm (to AGM 2016), Carlo Ghezzi (to 2017)

B3 Physics and Engineering Sciences

Chairperson: Muhsin Harakeh (until AGM 2015, renewable)

m.n.harakeh@kvi.nl

Rijksuniversiteit Groningen, Kernfysisch Versneller Instituut, Zernikelaan 25, 9747 AA Groningen, THE NETHERLANDS

Committee: Jörg Aichelin (until AGM 2014, renewable), Jan Vaagen, (until AGM. 2016), Pavel Exner -Vice Chair (until AGM 2015, renewable) , Tamás Csörgö (until AGM 2016, renewable), Sydney Galès (until AGM 2016, renewable), Karlheinz Langanke (until AGM 2016, renewable); Maciej Ogorzalek (first term till AGM 2017), Minh Quang Tran (first term till AGM 2017)

B4 Chemical Sciences

Chairperson : Lynn Gladden (UK). Department of Chemical Engineering and Biotechnology

University of Cambridge, New Museums Site, Pembroke Street, Cambridge, CB2 3RA, UK (2014 – 2016)

lfg1@cam.ac.uk

Committee: . From Jan 2014 - Jean-Marie Andre, Carmen Claver, Janine Cossy, Konstantin Hadjiivanov , Graham Hutchings , Joachim Sauer , Malgorzata Witko, Michel Che

B5 Earth and Cosmic Sciences

Chairperson: Donald Dingwell (2014)

dingwell@lmu.de

University of Munich, Earth Sciences, Theresienstr. 41/111, 80333 München, GERMANY

Committee: Enric Banda, André Berger, Sierd Cloetingh, Paul Crutzen, Camiel de Loore, , Jean-Claude Duplessy, Tuija Pulkkinen (till March 2018r), John Ludden (till March 2018 r), Hans Thybo (till March 2018r)

CLASS C

C1 Biochemistry and Molecular Biology

Chairperson: Witold Filipowicz (2016/2019):

filipowi@fmi.ch

Friedrich Meischer Institute for Biomedical Research. Maulbeerstrasse 66, CH-4.58 Basel

Committee: Anton Berns, Nicholas Hastie, Maurizio Brunori, Esteban Domingo and Daniella Rhodes, Moshe Yaniv (all from Sept. 2013)

C2 Cell Biology

Chairperson: Margaret Buckingham (2013)

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Institut Pasteur, Dept. Biologie du Développement, CNRS URA2578, 25 rue du Dr Roux, Paris Cedex 75724, FRANCE

Committee: Francesco Blasi, Meinrad Busslinger, Ingrid Grummt, Carl-Henrik Heldin

C3 Physiology and Medicine

Chairperson: Dmitri Rusakov (till AGM 2016/renewable)

d.rusakov@ucl.ac.uk

UCL Institute of Neurology, Queens Square. London. WC1N 3BG

Committee: Alfonso Araque (till AGM 2015, renewable), Leszek Kaczmarek (till AGM 2015), Bernd Nilius (till AGM 2015), Marina Bentivoglio (till AGM 2017, renewable), Robert Zorec (till AGM 2015, renewable), Alex Verkhatsky (till AGM 2016, renewable) Vladimir Parpura (till AGM 2017, renewable), Riita Salmelin (till AGM 2017, renewable), Cisca Wijmenga (till AGM 2016, renewable)

C4 Organismic and Evolutionary Biology

Chairperson: Yvon Le Maho (2015)

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Institut Pluridisciplinaire Hubert Curien, Département Ecologie, Physiologie et Ethologie,
23 rue Becquerel, F-67087 Strasbourg Cedex 2, FRANCE

Committee: Roy Anderson, Lars Walloe, Pat Monaghan (from April 2014), Ricardo Guerrero (from April 2014)

C5 Translational and Applied Biology

Chairperson: Anne Gro Salvanes (2017/2020) [Diana Banati retired at end of 2014]

Anne.salvanes@bio.uib.no

Dept Biology, PO Box 7833, 5020 Bergen. Norway

Committee: Peter Raspor, Marianne Thoresen

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)

Annex 1b Members of the Nominations sub-committee at 31st December 2014

The committee is responsible for the independent scrutiny of candidates put forward for election to the Academy. The committee considers recommendations made by section committees and prepares a list of candidates for Council. Elections by the Council are held annually. Section chairs and the Nominations committee meet in plenary once a year, where they discuss all candidates' suitability. A final list is then put to the Council for approval. Newly elected candidates are personally invited to accept membership. Only after a candidate has accepted the offer of membership, are scholars then admitted to the convocation of the Academy.

Election is entirely based upon an individual scholars record and international standing judged according to the criteria set out in the nominations procedures. There are no geographical, political, gender or other quotas, nor is there a fixed number of possible members. Slightly different criteria are used to judge between categories of membership

Ole Petersen – Liverpool (Medicine & Physiology) – chair

Jürgen Mittelstrass - Konstanz (Philosophy)

Barbara Wright – Dublin (Literary & Theatrical Studies)

Marie Lise-Chanin - Paris (Physics & Engineering)

John Bergsagel - Copenhagen (Musicology)

Observer: Sierd Cloetingh – Amsterdam (Earth & Cosmic Sciences)