

**ANNUAL ACTIVITIES REPORT
FOR THE PERIOD 2013**



'The Academy of Europe'
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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 2013)

President:	Professor Lars Walløe	Oslo (till 2014)
Vice President: Vice President:	Professor Sierd Cloetingh Professor Anne Buttimer	Amsterdam (till 2014) Dublin (till 2015)
Hon. Treasurer: (from January 2010)	Professor Sir Roger Elliott	Oxford (till 2015)
Foreign Secretary	Professor Jerzy Langer	Warsaw (co-opted) till 2014
Members	Professor Michel Che Professor Peter Emmer Professor Cinzia Ferrini Professor Andreu Mas Colell Professor Theo D'haen Professor Ole Petersen Professor Hermann Maurer	Paris (till end 2013) Leiden (till end 2013) Trieste (till end 2013) Barcelona (co-opted) till 2015 Leuven (co-opted) till 2015 Cardiff (co-opted) till 2015 Graz (co-opted) till end 2015

Advisory Council Members (independent elected members only):

Professor Susan Bassnett	Warwick (till end 2013)
Professor Cinzia Ferrini	Trieste (till end 2013)
Professor Balazs Gulyas	Stockholm (till AGM 2013 – eligible for re-appointment)

At the time of writing this report, the number of independent, elected members to Council was set at a maximum of 3. The Chairs of the Academic Sections are all *de facto* members of the Advisory Council. Periods of office of Section chairs are set out in the regulations. The list of Section chairs, as at 31 December 2013, is at annex 1a of this report. Three members of the advisory council are nominated as Trustees. Prof. Petersen serves as chair of the Nominations subcommittee. Prof D'Haen is the Editor-in-Chief of the European Review. Independent Members of the Nominations sub Committee are listed at Annex 1b

At the AGM held in September 2013, members approved the co-option of Professor Jerzy Langer until the AGM of 2014.

The composition of the Council at 31st December 2013 is at annex 1c.

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:	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.

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. Hub Manager : Dr Joaquim Bosch. Administrator: Ms Ariadne Barcelona

Auditors	Principal Bankers	Solicitors
Keith-Vaudrey & Co Chartered Accountants First Floor, 15 Young St. London W8 5EH	NatWest Bank Plc PO Box 2AG 63, Piccadilly London W1A 2AG	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/RegisterOfCharities/CharityFramework.aspx?RegisteredCharityNumber=1133902&SubsidiaryNumber=0)

[commission.gov.uk/Showcharity/RegisterOfCharities/CharityFramework.aspx?RegisteredCharityNumber=1133902&SubsidiaryNumber=0](http://www.charity-commission.gov.uk/Showcharity/RegisterOfCharities/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 operations sub committees that are described in annex 1. Elections and appointments to the Board and to the Council are set out in the regulations. These can be found on the corporate website at www.ae-info.org.

The officers of the Academia (President, Vice Presidents 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 2013

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 have 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 retiring at the end of the current period (Professors Che, Emmer and Ferrini). This work has been carried out against the ongoing background of continuing financial restrictions and a very difficult sponsorship environment. The Board are however pleased to see progress towards a stabilising of the financial position of the Academy through member contributions, new core support and continuing external sponsorship of projects and activities. The Board wish to highlight the successful continuation of the implementation of a Riksbankens Jubileumsfond five-year grant to secure a sustainable infrastructure and communications strategy that will improve the outreach and visibility of the Academia in the longer-term and to express specific thanks to Professor Hermann Maurer and 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, has worked closely with the Graz team and the London office on issues relating to new members and have undertaken the organisation of the 25th anniversary congress of the Academy, plus other new activities described in detail elsewhere in this report. Following the formal establishment of the second Regional Hub in Barcelona: the Hub have hosted two Board meetings, and a major public event, "The Barcelona Disputatio". Plans are in hand to organise and deliver the 2014 Disputation and also the 26th annual conference of the Academy and other activities. The Trustees continued to work to make the membership of the Academia Europaea more representative of the academic excellence that exists in the community of European scholars and over 260 scholars were invited to accept election to membership during the year. The Trustees also continued to support the development of the Young Academy of Europe. The Trustees continue to recognise the very difficult economic circumstances that are current. Both Hubs are fully financed with local support and will not be reliant on core financial support from central funds. Finally in this period negotiations were opened up for the development of a third regional Hub, to be based in Bergen, Norway with a focus on The Northern European Dimension and Arctic issues.

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

Public benefit statement

Over the year the Academia has published articles and papers available 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 Academic has maintained and enhanced its INFO-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 launched a series of summer schools targeted at young researcher education. A full description of all of the main activities is 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 third regional hub in Norway. The Young Academy of Europe, will continue to be developed specifically to provide a focus to engage with and support young researchers from across Europe, who are embarking on an academic and research career.

Activities during the period, 1 January 2013 – 31 December 2013

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. These are described in the following sections.

25th Annual Meeting of the Academia Europaea September 2013.

The 25th annual conference (September 11 -13, 2013) of the Academia Europaea was a major celebration of the founding of the AE back in 1988 and was held in Wroclaw, Poland, under the patronage of the Mayor and City of Wroclaw and the Ministry of Research of the Republic of Poland. The Trustees wish to thank Dr Rafal Dutkiewicz MAE Hon. and the city fathers for their support.

An Online report and photographs can be found at this link:

The proceedings started on 16 September with the Annual Business Meeting of AE members (see later report). This was followed in the late afternoon in the Aula Leopoldina and the University of Wroclaw, by the opening session and included speeches of welcome from; Professor Walløe, President of the Academia Europaea and the Mayor Dr Rafal Dutkiewicz; a presentation by Vice President Anne Buttmer MAE on the brief history of the Academia Europaea. A presentation of new members of the Academia (by Vice President Sierd Cloetingh); the award the Burgen Scholarships to young postdoctoral researchers working in Poland and a European Research Policy round table debate (see below). The Mayor then hosted a reception for all invited guests and members in the City Hall. Images from the whole event can be found at: http://www.ae-info.org/ae/Acad_Main/Plenary_Conferences/Wroclaw_2013



The 2013 Erasmus Medal was awarded to the distinguished international historian

Professor Norman Davies MAE



Norman Davies, born in 1939 in Bolton (Lancashire) was educated at Bolton School, Magdalen College, Oxford, the University of Sussex and at several continental universities including Grenoble, Perugia and Kraków. His formative years created a lifelong European outlook.

His special interest in Central and Eastern Europe was unusual among contemporaries. It started in 1958 when four school-leavers drove from Lancashire to Istanbul and back in an ex-US Army Jeep. It was consolidated by further adventurous travels: by intensive Russian courses and by post-doctoral study at the Jagiellonian University, where he obtained a Ph.D.

Unlike most academics, Norman Davies began his career as a school teacher. During a four-year spell, he worked at every level from primary to Sixth Form, at a girls' school and then at St. Paul's. These experiences honed his skills as a lecturer and educator, and primed the arts of simple narrative and clear analysis.

As a pupil of AJP Taylor and the nephew of a well-known Lancastrian sportsman and broadcaster, Davies was always familiar with the worlds of publishing and the media. He emerged as a historical author with *White Eagle, Red Star* (1972) which was written during a research fellowship at St. Antony's College. He found his way into radio and later TV via the BBC World Service to which he made contributions relative to current affairs in the Soviet Block.

Davies' academic career centred on the School of Slavonic Studies, University of London, where he was successively Lecturer, Reader and Professor. A quarter of a century in London was supplemented by regular assignments abroad at Columbia, McGill, Hokkaido, Stanford, Harvard, Adelaide and the ANU in Canberra. He was elected Fellow of the British Academy in 1997.

The stay at Stanford was particularly eventful. It started with the prospective offer of an endowed chair and ended when the offer was mysteriously cancelled before it could be formalised by Board of Trustees. Stanford's decision, which contradicted the unanimous recommendation of its own Search Committee, remained unsubstantiated for months, and since all grievance procedures were refused, became the subject of a lengthy but inconclusive law suit. It eventually emerged that an unnamed group of critics had taken offense at one chapter in Davies' prize-winning history of Poland, *God's Playground* (1981). Davies remembers the episode stoically - as evidence of academic small-mindedness and of fate awaiting anyone who confronts entrenched opinions and prejudices.

Nonetheless, the budding author surged ahead. After the collapse of Communism, *God's Playground* was adopted by Poland's Ministry of Education as compulsory reading for all history students in state schools and universities. Europe: A History (OUP, 1996) became a Number 1 best-seller in Britain and *The Isles: A History* (1999) confirmed Davies' reputation as an iconoclast. *Microcosm* (2000) written with Roger Moorhouse, presents the little known history of a Central European city, Wroclaw / Breslau; whilst *Rising '44* (2003) has eclipsed all previous studies of the Warsaw Rising. According to the author, *Europe At War* is bound to encounter turbulence. Over the years, Norman Davies has received many honours. He was awarded the CMG in 2001 for 'services to history', and has collected several Polish distinctions including the Order of Merit. He is an honorary citizen of several cities, including Wroclaw: and the holder of numerous honorary degrees, most recently a D. Litt from Sussex.

Though formally retired from his academic post in 1996, Norman Davies continues to write and publish. He lives in Oxford and Cracow with his wife Maria, and has two sons. From 2000 - 2006 he was a Supernumerary Fellow at Wolfson College, Oxford: and is now a Visiting Fellow at Clare Hall, Cambridge

Professor Davies delivered his 2013 **Erasmus Lecture “Centuries of Change: Wroclaw-Breslau-Vratislavia”**

<p>The 2013 Erasmus Lecture and Medal ceremony sponsored by The Heinz Nixdorf Foundation (see this link for further information http://www.heinz-nixdorf-stiftung.de/)</p>		<h2>Heinz Nixdorf Stiftung</h2>
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The **laudation** for Professor Davies was given by **Professor Peter Emmer MAE (Leiden)**, (Trustee and Chair of the History Section) . The lecture will be published in a future issue of The European Review.

For full information about the life and works of Professor Davies go to this link www.normandavies.com

The 2013 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 2013 scholars were:

Szymon DROBNIAK – EVOLUTIONARY BIOLOGY – Jagiellonian University in Kraków

I graduated in 2008, completing a 5 year interdisciplinary Studies of Mathematical and Nature Sciences. PhD. in the Institute of Environmental Sciences, completed with the defence of my thesis “Genetic correlations and evolutionary potential of quantitative traits in the blue tit (*Cyanistes caeruleus*)”

My scientific interests revolve around the interplay between genetic variance in environment and how both of these factors shape the evolution of traits in wild populations.

Jakub FICHNA - MEDICINE - Medical University of Lodz

Main scientific interests studies on the mechanisms underlying inflammatory conditions and functional diseases of the gastrointestinal tract, as well as the design and pharmacological characterization of new potential therapeutics. I have put much effort into popularization of science, in particular among younger generations, as well as into advisory activity on the situation of young scientists in Poland. In 2012 I became a member of the Young Academy of Scholars, Polish Academy of Sciences.

Filip GRANEK – MATERIALS ENGINEERING – Printed Electronics Laboratory at Wroclaw Research Centre EIT+

I obtained a Ph.D at the University of Freiburg, in the field of the advanced silicon solar cell concepts

I worked at the Energy Centre of the Netherlands (ECN) in Petten, the Netherlands and later at Fraunhofer Institute for Solar Energy Systems (ISE) in Freiburg, Germany and at the Australian National University ANU. currently leading research projects in the field of the processing and characterization of the novel solar cells, based on the organic and inorganic nanomaterials.

Ewelina KNAPSKA - NEUROBIOLOGY - Nencki Institute, Warsaw

PhD degree from the Nencki Institute of Experimental Biology PAS in Warsaw in 2006.

Research interests: The neural mechanisms of extinction and renewal of learned fears. functional interplay between the prefrontal cortex, hippocampus, and amygdala ; Socially transferred fear - the neural basis of empathy. I investigate neural representations of emotional states of interacting animals, and Neural mechanisms of impaired social behaviours

Artur KR EL – BIOCHEMISTRY - Faculty of Biotechnology University of Wrocław

D.Sc. in biological sciences (2011) from University of Wrocław.

Since 2012 he is the leader of the Laboratory of Chemical Biology. He is an author of 50 research papers. Research focuses his research on phenomena related to molecular mechanisms of metal ions homeostasis, pathology, and designed protein metal ion homeostasis. The main interest of his group is zinc ion fluxes sensing using chemical and genetically encoded fluorescent probes

Mikal NIKODEM - PHOTONICS - Wrocław Research Centre EIT+

MSc and PhD (2007 and 2010) from Wrocław University of Technology

Laser Spectroscopy Group leader in high-level research towards development of autonomous systems for chemical sensing, with a strong emphasis on real-world applications in environmental monitoring, bio-medical research, and industrial process control.

Marcin NOWOTNY – Biochemistry/Structural Biology International Institute of Molecular and Cell Biology in Warsaw

PhD studies at the Nencki Institute of Experimental Biology 1997

research on protein crystallography Especially proteins involved in the processing of the genetic information in the cell. Enzymes involved in the repair of the chemical modification of genomic DNA. Our recent work on DNA repair has been awarded several prizes, including the Polish Prime Minister's Award for Scientific Achievement. I was able assure funding through a number of prestigious grants: EMBO Installation Grant, Wellcome Trust International Senior Research Fellowship, ERC Starting Grant and HHMI Early Career Scientist Award.

Justyna OLKO - Mesoamerican ethnohistory, Nahuatl philology - University of Warsaw

Ph. D. in 2005 from the Faculty of History at the University of Warsaw

Now director of the Laboratory "Encounters between the Old and New Worlds" as well as a vice-dean at the Faculty of "Artes Liberales"

main research is to reconstruct and understand the nature, mechanisms and implications of cross-cultural transfers between Europeans and the native people of the Americas, focusing on the Nahuatl-speaking zone of central Mexico. I have several major grants for directing team projects including a Starting Grant of the European Research Council (2012, *Europe and America in Contact*); the first ERC grant in the humanities ever awarded to Poland),

Bartolomiej A. SKOWRON – Philosophy - University of Wrocław

PhD in Philosophy in 2012, fellow of the Academy of Young Scholars and Artists in 2012

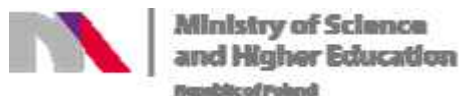
main contribution to philosophy is topo-ontology. Topo-ontology is a combination ontology (in terms of Polish philosopher J. Perzanowski) but formulated in topological terms. He is also the author of a theory of subjectivity. Subjectivity constantly constitutes itself in time through its acts and in its acts—in the face of values.

Agnieszka WACLAWIK - Biology - Institute of Animal Reproduction and Food Research of the Polish Academy of Sciences

PhD (in Biological Sciences) University of Warmia and Mazury, Olsztyn, Poland, a member of Academy of Young Scientists of the Polish Academy of Sciences

Research has been focused on understanding the maternal-embryo interactions during early pregnancy, especially the role of prostaglandin synthesis and prostaglandin receptors in this process. She has been working also on uterine receptivity markers in peri-implantation period.

The Trustees wish to thank all of the individual external sponsors of the 25th annual conference as follows:



The Ministry of Science and Higher Education, Republic of Poland (Honorary Patron of the conference)

City of Wrocław





Also:



The Volkswagen Stiftung



The Royal Swedish Academy of Antiquities and Letters



Dr Ralph Kohn



The Trustees wish particularly to thank the University authorities of Wroclaw, the City authorities and the Polish Ministry of Research: Professor Jerzy Langer, the staff of the Wroclaw Hub (Dr Ola Nowak and Mrs Kasia Majkowska) and of the city Convention Bureau (Ms Magdalena Piesacka), plus the many unpaid local volunteers who made the event so memorable.

25th anniversary conference programme sessions

Plenaries

1. Debates:

“The next 25 years: Grand Challenges for the knowledge sector in Europe” – opening high-level plenary debate

Speakers:

Helga Nowotny (ERC President); the *Lord (Martin) Rees*; *Andre Mischke* (President of the Young Academy of Europe); *Anne Glover* (Chief Scientific Adviser to the EU Commission President); *Hans Joachim Schellnhuber* (Potsdam Institute for Climate Impact Research)
(Chair: M. Kleiber)

The Euroean Challenge in Uncertain Futures – PLENARY DEBATE (partnered by City Handlowy)

Convenor: J. Straus

Speakers: **K. Konrad** (Munich); **J. Straus** (Munich); **P.Nijkamp** (Amsterdam); **S. Sołtysinski** (Warsaw); **A. Quadrio Curzio** (Roma), **J. Poot** (New Zealand)

Academic Integrity – PLENARY DEBATE

Convenor: P. Emmer (Leiden)

Speakers: **N. Foeger** (Vienna); **T. Schäfer** (Young Academy of Europe)

The Anthropocene: Future Challenges – PLENARY DEBATE

Convenor: D. Dingwell (Munich)

Speakers: **A. Berger** (Louvain) - climate modelling **M. Burton** (Pisa) - volcanic degassing **M. Edgeworth** (Leicester)- archaeological aspects **E. Ehlers** (Bonn) - human societal and cultural aspects **J. Chappellaz** (Grenoble) – Glaciology aspects

2. Plenary Lectures

“A short history of the AE”. by Professor Anne Buttimer, Vice President of the AE and Chair of the Social Sciences Section

ROBERT HUBER - *Beauty and fitness for purpose: architecture of proteins, the building blocks of life*

(Chair: O. Petersen)

SALVATORE SETTIS – *The Fate and Future of Classical Art in Modern Europe (and Beyond)*

(Chair: C. Ferrini)

WILHELM KRULL – *Towards a Culture of Creativity: Reflections on Europe’s Strive for Excellence in Research and Innovation*

(Chair : L. Walløe)

PIOTR SZTOMKPA – *Existential uncertainty as a growing challenge in contemporary society; its causes and possible remedies*

(Chair: A. Cavalli)

BERT SAKMANN – *Reconstruction in 3D of a sensory cortex at cellular resolution and definition of a connection unit*

(Chair: J. Otlewski)

MOSHE VARDI – *A logical revolution*

(Chair: H. Maurer)

TOMASZ DIETL – *Information devices: history and new concepts*

VINCENT COURTILOT – *On scientific discovery, consensus and debate: a personal experience*

JONATHAN ISRAEL – *Radical enlightenment: the rise of a new category in the Humanities*

3. Other sessions:

Past and future impacts of Informatics

Convenor: H. Maurer (Graz)

Speakers:

F. Zambonelli (Modena) – “Engineering Socio-technical Urban Superorganisms”

D. Fellner (Darmstadt) – “Digital Libraries”

G. Gottlob (Oxford) – “The DIADEM Project: Intelligent Extraction of Big Data from the Web”

J. Tiuryn (Warsaw) – “Does biology need informatics?”

The European Ideal as Challenge

Convenor: D. Tamm (Copenhagen)

Speakers:

P. Letto-Vanamo: "Europe and the Law"

D. Heirbaut: "Germany's Past, Europe's Future?"

D. Grimm: "Cooperation and Conflict - The Role of European and National Courts in the Process of Integration"

V. Trstenjak: "Union Citizenship and the Influence of the Court of Justice of the EU".

Understanding the Universe

Convenor: A. Mischke (Utrecht)

Speakers:

T. Kibble (London) - The Standard Model of Particle Physics

A. Nisati (Rome) - "Particle Physics and the Large Hadron Collider"

A. Kellerbauer (Heidelberg) – "Why antimatter matters"

M. Rees (Cambridge) – "New perspectives on the cosmos"

Paradigm shifts in the Social Sciences

Convenors: A. Buttimer (Dublin), A. Bailly (Geneva)

Speakers:

Y. H. Ferguson (Rutgers) – "Convergence and Fragmentation in the Study of Global Politics"

S. Oberg (Uppsala) – "The study of changing populations – future prospects in social science disciplines"

Y. Verhasselt (Brussels) – "Tendencies in social sciences"

A. Bailly (Geneva) – "Spatial imagery and regional science"

T. Baycan (Istanbul) - Scientific "Knowledge Commercialization and Valorization in Europe"

Polish Logic and Philosophy

Convenor: D. Føllesdal (Oslo)

Speakers:

J. Wole ski (Kraków) - Introductory Survey

K. Kijania-Placek (Kraków) - Twardowski's Theory of Presentations

G. Malinowski (Łódź) - Łukasiewicz's Logical Legacy

P. Simons (Dublin) - Łukasiewicz and the Several Senses of Possibility

R. Urbaniak (Gent/Gdańsk) - Lesniewski: Rethinking the Foundations of Mathematics

C. Cie li ski (Warsaw) - How Tarski Defined the Undefinable

L. Horsten (Bristol) - Tarski and Formal Theories of Truth

L. Pacholski (Wrocław) - Logic in Poland after 1945 - Decline or Collapse?

Young Academy Future Visions

Convenor: T. Schäfer (San Sebastian)

Speakers:

T. Kovackova (Brussels) - Early Stage Researchers - investing in the future

E. Jankowska (Wrocław) - Contemporary research in cardiovascular science: bridging disciplines, countries and generations

N. Zagar (Ljubljana) - Multiscale atmospheres of New Europe

Paradigm Shifts in the Humanities

Convenor: S. E. Larsen (Aarhus)

Speakers:

C. Ferrini (Trieste) – From disparagement to appreciation: Shifting paradigms and interdisciplinary openings in interpreting Hegel's Philosophy of Nature

M. Juvan (Ljubljana) – The Production of Nationscape through the Network of Literary Culture: Towards a GIS-based Analysis of Slovenian Literature

P. Vries (Vienna) – History in and for a globalising world

F-J. Ruggiu (Paris) – Pluridisciplinarity and the future of French history

V. Biti (Vienna) – The Repositioning of Theory in the Post-Theoretical Age

S. Onega (Zaragoza) - The Trauma Paradigm and the Literature of Trauma

Biodiversity; Exotic species and innovation

Convenor: Y. Le Maho (Strasbourg)

Speakers:

F. Ducancel (Saclay) – “Exploration of venom molecular diversity to identify new drug candidates”
P. Bulet (France) – “Host defence molecules as a new generation of therapeutics”
K. Bilikova & J. Simuth (Bratislava) – “honeybees and humans”
S. Blanc (Strasbourg): “Biomedical interest of hibernating animals.”
M. Hossaert-McKey (Montpellier): ““Bringing chemistry into ecology, a way to promote innovation”

New AE/YAE members Offered paper sessions

Session A: “Life and related sciences”

Co- Chair: O. Petersen & M. Yaniv

I. Cakmak Role of Agriculture in Fighting Micronutrient Malnutrition in Human Populations
C. M. Jonker The Pocket Negotiator: Solutions and challenges for developing a negotiation support system
L. Nagy Linking metabolism to the expression of the genome
A. Falus Hypermethylation of histidine decarboxylase gene induces tumor surveillance
S. Lavorel How knowledge on biodiversity and its impacts on ecosystem functioning can be applied to quantify benefits from ecosystems to society
G. Jaouen Medicinal Organometallic Chemistry: The Ferrocifen Family as Efficient and Selective Antitumor Compounds against Triple Negative Cancer Cells
G. Resnati Halogen Bonding: A New Paradigm in Recognition Phenomena
L. Hunyady Functional specificity of G protein-coupled receptor agonists: a new dimension of pharmacological specificity
D. A. Rusakov Signal formation in brain circuits with astroglia
V. Parpura Ca²⁺ sources for the exocytotic glutamate release from astrocytes
L. Kamerlin Catalytic Promiscuity in the Alkaline Phosphatase Superfamily as a Showcase for Chemistry-Driven Protein Evolution

Session B: “Information and Physical Sciences”

Co-Chair: G. Wustholz

E. Ozbay Plasmonics nanoparticle based nanobiosensors and nanophotodetectors
F. Wotawa The Falsification Principle in Software Engineering
B. Jacobs Next generation of electronic identity management
W. Imrich Algorithms, Product Graphs and Applications
J. D. Ferrer Conciliating privacy, security and functionality in the information society
H. Baayen In 140 ms from hogwash to nonsense, but only if you're lucky
N. M. Pugno Graphene and bio-inspiration
D. Meschede Bohr's atoms – 100 years after
B. Tanatar Density Modulated Phases in Bilayer Dipolar Gases
N-V. Zamfir Extreme Light Infrastructure - Nuclear Physics (ELI-NP) Status and Perspectives
K. V. Ragnarsdottir The 21st century – living within the Earth's boundaries

Session C: “Humanities and Social Sciences”

Co- Chair: Anne. Buttmer

F. James Humphry Davy at Work
J. K. Kozlowski Alternative, maritime route of the First Farmers to Europe
E. Witkowska-Zaremba Wrocław: The Late Mediaeval Crossroads of Musical Trends
J. Caldwell Notated Latin Poetry in the Middle Ages
V. von Rosen Pictorial Transfers in Early Modern Europe: the production of religious images by Netherlandish Caravaggisti in their native countries
M. Radovic-Markovic Development of entrepreneurial competences through e-learning: an evidence from Serbia and Turkey
C. Gianturco Exploring the past to enrich the future: the national edition of the music of alessandro stradella

The program, abstracts, biographical information for speakers and all other materials (including photographs) can be accessed from the AE website event archive (http://www.ae-info.org/ae/Acad_Main/Plenary_Conferences/Wroclaw_2013) and also from <http://ae2013wroclaw.com/>

Other Non-Hub events with Academia support and participation held during the year

HERCuLES group events

Academia Europaea & Wenner-Gren Foundations. "Bibliometrics: Use and Abuse in the Review of Research Performance" Thursday 23 - Saturday 25 May 2013 held at the Wenner-Gren Center, Stockholm, Sweden.

Convenor:

Wim Blockmans, Leiden, wimblockmans7@gmail.com

Organising Committee:

Erik De Corte, Leuven, erik.decorte@ppw.kuleuven.be

Lars Engwall, Uppsala, lars.engwall@fek.uu.se

Jan Reedijk, Leiden, reedijk@chem.leidenuniv.nl

Denis Weaire, Dublin, dweaire@tcd.ie

Background for the symposium

'We are deeply convinced that human ingenuity and creativity are beyond all conceivable quantitative measure. [...] The present hype of bibliometry made it plainly obvious that judging the quality of science publications and science projects by bibliometric measures alone is inadequate. [...] Start reading papers instead of merely rating them by counting citations!'

Richard R. Ernst, 'The Follies of Citation Indices and Academic Ranking Lists', *CHIMIA* 64 (2010) 90.

When a Nobel Prize Laureate uses such strong language, the scientific community and science policy makers should pay attention. While private companies, publishing houses, consultancies and the boards of scientific institutions are organizing *perpetuum mobiles* of evaluations, the scientific community gets increasingly impatient with the heavy burden this whole evaluation carousel puts on *their* shoulders. While the investment in working time and money is evident, the effects are all but transparent and the methodological controversies are far from solved. The main objection surely is the reduction of evaluation to sheer metrics, as a proxy to the desire for a standardized evaluation of a great variety of achievements.

In 2011, the AE and the Wenner-Gren Foundations organized a symposium on 'The role of trust in higher education', in which 'the increasing call for accountability' was one of the four themes. The present proposal for a symposium delves further into the culture of accountability, and the techniques to establish indicators of quality on various levels, from the individual research paper to whole universities.

Measuring vs. Quality

In biosciences and most of the natural sciences, bibliometry is a well-established practice, widely accepted as a tool in the adjudication of scarce resources, on a personal and an institutional level. Just as one of the tools, certainly not the exclusive one, as it tends to become. It rests on the assumption that peer review is the best method of quality assessment, and that this is established by the reception of publications by the specialists, appearing in citations. Systemic errors and fallacies such as self-quotation, mutual referencing, and negative references may be filtered out, especially in domains with high numbers of researchers. Standardized publication cultures in international journals and a global scientific forum favour the applicability of citation indices. They can be practiced for the ranking of journals, as well as for that of research groups and individual researchers. Collective authorship however raises the question of each individual's role. Several fundamental questions remain to be discussed about the prevailing review systems.

1. The main surely is the tension between *inherently qualitative* characteristics such as originality and creativity, and quantification. In how far are the current peer review systems favouring fashionable and standard research, or able to recognize truly groundbreaking ideas?
2. Further, the current bibliometric systems are *not generally applicable*. Their use for large multidisciplinary organizations such as universities is therefore inadequate. Several disciplines, such as engineering, mathematics, most of the social sciences and humanities work with other publication cultures because of the different character of their societal mission, forum, and target groups. This implies a far greater variety of publication formats in patents, reports, national journals, books, and the use of a great number of national languages. In these disciplines. Anglophone researchers may even be uninformed about a considerable body of knowledge published since long in other languages.
3. Many *fallacies* of bibliometrics have been shown in publications. Different systems are circulating, of which the h-index is the most valid for the sciences. However, various tendencies of the joint actions of ambitious authors, profit-seeking publishing houses, specialized research bureaux, and science administrators lead to systemic distortions.
4. The pressure towards public accountability nevertheless leads to an *ever-increasing use* of various forms of peer review and rankings in order to determine quality. Given the amount of the publications under review, and the scope of evaluation committees on an institutional level, reviewers are materially unable to assess the quality of research directly, and have to base their judgements on external quantitative indicators. Numbers are taking the command. There is also evidence that institutions are involved in the politics of metrics.

5. The current system to publish as many as possible 'peer reviewed' articles in top-journals has strongly increased the publication pressure, and this can have an impact on the kind of research proposals that are submitted. Indeed, it can lead to the tendency from the side of the scholars to write and submit proposals that have the potential of resulting quickly in publishable papers without much consideration for innovation and creativity. The system does certainly not strongly encourage to go for open-ended and "risky" proposals.
6. Finally, it is important to discuss to what extent evaluations should be used. It is indeed the best system we have, but there is also the risk that the evaluations will hamper research rather than stimulate it and raise the quality. The reason is that the evaluation work takes time away from research. Some people argue that in the life of scholars today too much time is taken up by evaluating others and being evaluated by others.

The Critique in a Nutshell

- Researchers today face an overload of evaluation activities of all kinds,
- Time pressure that may jeopardize the quality of assessments,
- A heavy bias favouring the English-speaking world,
- A heavy bias disqualifying humanities and social sciences which do not fit in the system,
- An increasing imbalance between the costs of the evaluation system, the advancement of science, and the profits made by private companies on this basis.

The Trustees would like to thank Britt-Marie Sjöberg, Stockholm, Scientific Secretary of the Wenner-Gren Foundations, for again sponsoring and hosting an HERCuLES event.. The papers will be published in a future issue of the Wenner Gren International Series (by the Portland Press).

Sessions and Speakers

Keynote: Giuseppe Longo, Paris, Giuseppe.Longo@ens.fr ***Science in our relational humanity: critical insights and knowledge construction***

Session 1: Instruments of Measurement

Chair: Jan Reedijk, Leiden, reedijk@chem.leidenuniv.nl

Ton van Raan, Leiden, vanraan@cwts.leidenuniv.nl

Sense and Nonsense of Citation Analysis: Possibilities to Improve Impact Measurement

Discussant: Giuseppe Longo, Paris, Giuseppe.Longo@ens.fr

Jane Grimson, Dublin, jane.grimson@tcd.ie

Measuring research quality: not everything that can be counted counts; and not everything that counts can be counted

Discussant: Rickard Danell, Sociologist and Bibliometrist, Umeå, rickard.danell@soc.umu.se

Giovanni Abramo, Rome, giovanni.abramo@uniroma2.it ***Research Evaluation: Improvisation or Science?***

Discussant: Hans-Dieter Daniel, Social psychology, Higher Education Studies, ETH Zurich,

daniel@gess.ethz.ch

Session 2: Rankings

Chair: Denis Weaire, Dublin, dweaire@tcd.ie

Niamh Brennan, Dublin, niamh.brennan@tcd.ie ***The Dark Arts of Rankings***

Discussant: Eva E. Wille, Chemist, Vice President & Executive Director Wiley-VCH Verlag Weinheim, ewille@wiley-vch.de

Linda Wedlin, Uppsala, linda.wedlin@fek.uu.se ***Rankings of Modern Universities: How global comparisons matter***

Discussant: Marie Farge, Mathematician, Paris, farge@lmd.ens.fr

Michel Gevers, Louvain-la-Neuve, michel.gevers@uclouvain.be ***Scientific impact versus investments: a country by country analysis***

Discussant: Dan Brandström, political scientist and CEO of a major research foundation,

dan.brandstrom@telia.com

Session 3: Humanities and Social Sciences

Chair: Wim Blockmans, Leiden, wimblockmans7@gmail.com

Pol Ghesquière, Leuven, pol.ghesquiere@ppw.kuleuven.be ***The objectives and design of the Flemish Academic Bibliographic Database for the Social Sciences and Humanities***

Discussant: Kerstin Sahlin, Uppsala, Business Administration, former pro-VC Uppsala, Director Swedish Research Council, Kerstin.sahlin@fek.uu.se

Christine Musselin, Paris, c.musselin@cso.cnrs.fr ***The use of indicators in French universities***

Discussant: Bruce Henry Lambert, Prof. & Development Director, Localversity, bruce@reorient.com

Milena Žic Fuchs, Zagreb, mzicfuch@ffzg.hr ***Bibliometrics: Use and Abuse in the Humanities***

Discussant: Wim Blockmans, Leiden, wimblockmans7@gmail.com

Session 4: Journals, Editors and Publishers

Chair: Erik De Corte, Leuven, erik.decorte@ppw.kuleuven.be

Jan Reedijk, Leiden, reedijk@chem.leidenuniv.nl *The value and accuracy of key figures*

Discussant: Janusz Lipkowski, Physical chemistry at PAN, Warsaw, janusz.lipkowski@wp.pl

Nicola Gulley, Bristol, nicola.gulley@iop.org *Metrics and Evaluation: A publisher's perspective*

Discussant: Robert Kvavik, kvavik@umn.edu

Lars Engwall, Uppsala, lars.engwall@fek.uu.se *On the quality of quality assessments*

Discussant: Peter Goelitz, Editor-in-chief, Angewandte Chemie, pgoelitz@wiley-vch.de

Closing Session

Chair: Lars Engwall

Panel experts:

Stefano Fantoni, president of the Italian Research and Universities Evaluation Agency, Rome,

presidenza@anvur.org

Peter Goelitz, Editor-in-chief, Angewandte Chemie, pgoelitz@wiley-vch.de

Christine Musselin, Paris, c.musselin@cso.cnrs.fr

Nicola Gulley, Editorial Director of IOP Publishing, Bristol, nicola.gulley@iop.org

References

Adler, R., Ewing, J., Taylor, P., "Citation Statistics: A Report from the International Mathematical Union (IMU) in cooperation with the International Council of Industrial and Applied Mathematics (ICIAM) and the Institute of Mathematical Statistics (IMS)", for Joint Committee on Quantitative Assessment of Research, 2008.

Cavalli, Alessandro, ed., *Quality Assessment for Higher Education in Europe*. London, 2007.

Molinié, Antoinette & Bodenhausen, Geoffrey, "Bibliometrics as Weapons of Mass Citation", *Chimia* 2010, 64, pp. 78-89.

**In collaboration with Accademia Nazionale dei Lincei and with the support of the Compagnia di San Paolo: "Migration and Mobility in Science: Impacts on Cultures and the Profession in Institutions of Higher Education in Europe" . Thursday 14 - Saturday 16 November 2013
Accademia Nazionale dei Lincei, Palazzo Corsini, Rome**

Convenor:

Alessandro Cavalli, University of Pavia & Accademia Nazionale dei Lincei aless_cavalli@hotmail.com

Why this conference?

Mobility of academics has been 'frequent' and scientists considered themselves living in a cosmopolitan world already, when communication and travel across distance could not be realized at ease. Estimates are published according to which one tenth or even more of academics could be viewed as "foreign" or "mobile" according today's criteria. The development of the nation states in the 19th century created new, often severe barriers, even though the conditions for communication and travel improved. This notwithstanding, ideas moved quickly around the world, and at least in some discipline, search for the most advanced knowledge all over the world became a matter of procedure.

After World War II, international cooperation and mobility of academics spread more rapidly than ever before, even though this was not a regular trend and even though some barriers turned out to be persistent and some even grow. At the beginning of the 21st century, mobility and migration of scholars is held so high in esteem, that some ranking studies even count quotas of foreign scholars and students as indicators of quality per se.

Yet, there are indications that international cooperation and mobility in the academic world is not as undisputedly hailed as many policy statements in this domain suggest:

- First, even statistical information of international migration, mobility and cooperation is extremely poor if compared to the frequent praise and the wish to provide evidence, whereby wrong or poor data are employed.
- Major reporting systems on science by supra-national organizations, e.g. UNESCO, OECD and the European Commission, hardly address data of migration and mobility of higher education teachers, researchers or whatever terms of scholars are employed in this context.
- The discussion on brain gain, brain drain and brain circulation shows that free movement of scholars is in clear tension to the national prerogatives of science and innovation policies irrespective of the rhetoric of a globalised world.
- Some experts point out that physical migration and mobility of scholars is bound to loose relevance at age of virtual communication.

A closer view reveals that many questions in this domain have remained open and should be responded:

1. What do we actually know about the magnitude and the flows of migration and mobility? What are the most suitable terms and classification to increase the quality of information in this domain?
2. How does migration and mobility actually affect the scientific work of scholars and what does this mean for the overall quality and the relevance of systematic knowledge?
3. To what extent do specific conditions in the various countries and cultures – in Europe and beyond - affect the frequency as well as the value of migration and mobility?
4. Do we move toward a widening or closing gap of international activities between the various disciplines?
5. What are balances and imbalances of international cooperation and mobility in academia between countries, as addressed in the debates about brain drain, brain gain and brain circulation?
6. Where do EU research and higher education policies stimulate international cooperation and mobility unbounded, where is stimulation and encouragement targeted, selective and in some respective non-encouraging? And are there even barriers to cooperation, mobility and migration increasing? What are the rationales of the overall policies in this domain, and what are the consequences?
7. How can the overall cooperation, mobility and migration policies in the European academic and research world be viewed in a world-wide perspective: as selfish, protective, cosmopolitan, as benchmark for other regions of the world or what else?

Sessions and Speakers

Welcome Address

Lamberto Maffei, President Accademia Nazionale dei Lincei

Lars Walloe, President, Academia Europaea

Keynote

Ulrich Teichler, INCHER, Kassel University, teichler@incher.uni-kassel.de “**The State of Knowledge on Migration, Research Abroad and Mobility: What We Know and What We Do Not Know**”

Session 1: The effect of international cooperation and mobility: Impacts on academic work and quality

Chair: Erik De Corte, Catholic University Leuven, erik.decorte@ppw.kuleuven.be

Speakers:

Marijk van der Wende, Amsterdam University College, m.c.vanderwende@auc.nl **International academic mobility in Europe: Towards a Concentration of the Minds?**

Paula E. Stephan, Georgia State University, Atlanta, pstephan@gsu.edu **Mobile Scientists: Networks and Performance**

Discussant: Alessandro Rosina, Catholic University, Milan, alessandro.rosina@unicatt.it

Session 2: The cultural and institutional contexts of international cooperation and mobility

Chair: Giovanni Bignami, IUSS, Pavia e Istituto Nazionale di Astrofisica & Accademia Nazionale dei Lincei giovanni.bignami@gmail.com

Speakers:

Pierre Dubois, former professor, Université Paris-Est, Marne-la-Vallée, pg.dubois@orange.fr **International Academic Mobility: a lack of data in France in the context of unstable institutional and financial incentives**

Heike Jöns, Loughborough University, h.jons@lboro.ac.uk **Europe as a hub of transnational academic mobility: past, present, and future**

Discussant: Anne Buttimer, University College Dublin, anne.buttimer@ucd.ie

Session 3: Convergence or divergence of internationalisation across disciplines?

Chair: Jürgen Mittelstrass, University of Constance, juergen.mittelstrass@uni-konstanz.de

Speakers:

D'Maris Coffman, University of Cambridge, ddc22@cam.ac.uk **The Institutional Origins of Internationalisation: Contingency, Path Dependence, and Future Challenges**

Michele Rostan, University of Pavia, michele.rostan@unipv.it **The internationalisation of the academy: Convergence and divergence across disciplines**

Discussant: Roberto Moscati, University of Milan “Bicocca”

Session 4: The national prerogatives of internationalisation of academia: Brain drain, brain gain, brain circulation, or what else?

Chair: Adriano Zecchina, University of Turin & Accademia dei Lincei, Rome adriano.zecchina@unito.it

Speakers:

Peter Scott, Institute of Education, London, p.scott@ioe.ac.uk **Brain Drain, Brain Gain, Brain Circulation – or something else?**

Chiara Franzoni, Milan Polytechnic, chiara.franzoni@polimi.it **Scientists on the move: immigration, outmigration and return patterns across sixteen countries and their implications for the national science base**

Discussant: Antonio Golini, President National Statistical Institute & Accademia dei Lincei, antonio.golini@uniroma1.it

Session 5: Internationalisation of research: Does the EU promote cosmopolitanism, intra-European balance, extra-European “competition” or what?

Chair: Denis Weaire, Trinity College, Dublin, dweaire@tcd.ie

Speakers:

Sierd A. P. Cloetingh, Utrecht University, sierd.cloetingh@uu.nl **Internationalization of research: impact on earth sciences in Europe**

Adriano Zecchina, University of Turin & Accademia dei Lincei, Rome adriano.zecchina@unito.it **Scientific Mobility: impact of ERC projects**

Discussant: Lars Engwall, Stockholm, lars.engwall@fek.uu.se

Session 6: How are European higher education and research policies of internationalisation seen outside Europe?

Chair: Lars Walloe, President, Academia Europaea

Speakers:

Martin Finkelstein, Seton Hall University, New Jersey, martin.finkelstein@shu.edu **European Research and Science Policy: A View from North America**

Anthony R. Welch, University of Sydney, anthony.welch@sydney.edu.au **The Chinese Knowledge Diaspora: a growing worldwide phenomenon**

Discussant: Denis Weaire, Trinity College, Dublin, dweaire@tcd.ie

Concluding final remarks and discussion - Next Steps

Alberto Quadrio-Curzio, President of the Class of Moral Sciences and Vice President of the Accademia Nazionale dei Lincei

Proceedings will be published by The Portland Press

Klaus Tschira Stiftung
gemeinnützige GmbH



Academia Europaea & Klaus Tschira Stiftung gGmbH, TOPO-EUROPE 2020'. Thursday 6 - Saturday 8 June 2013, at the Studio Villa Bosch, Heidelberg, Germany

Convenor: Professor Sierd Cloetingh MAE (Vice PRESIDENT OF THE Academia Europaea); Sean Willett, Geologisches Institut, ETH Zürich

Orientation session: Sierd Cloetingh: **Purpose of the meeting, the state of TOPO-EUROPE, future perspectives**

Montserrat Torne: **European research strategies for TOPO-EUROPE 2020**

Session 1: Funding mechanisms for collaborative research on the European Level

Anna-Maria Johansson: **Research opportunities in Horizon 2020**

Sierd Cloetingh and Sean Willett: **TOPO-EUROPE: Towards the science plan and the roadmap**

Sean Willett and Sierd Cloetingh: **Current and future TOPO-EUROPE Networking activities**

Montserrat Torne and Sierd Cloetingh: **Brief discussion on the implementation strategy**

Synergy with other initiatives

Session 2: Recent scientific advances and targets of opportunity

Hans-Peter Bunge: **Mantle dynamics, surface change predictions**

Jeannot Trampert: **High-resolution imaging of the Earth's interior**

Manel Fernandez: **From topography to LAB**

Evgenii Burov: **Challenges in numerical modeling of coupled deep-Earth and surface processes**

Claudio Faccenna: **Multiscale convection and dynamic topography: example from the Tehyan belt**

Francois Roure: **Basin and margin exploration and its role in constraining geodynamics**

Todd Ehlers: **Remote Sensing Techniques for Quantifying Earth Surface Change and Tectonics**

Niels Hovius: **Seismic detection of surface mass transport**
Andreas Mulch: **Geochemical tools for past and present surface processes**
Sean Willett: **Inferring tectonics from topography**
Sierd Cloetingh and Sean Willett: **Introduction and Status of TOPO-EUROPE Science Plan**

Session 3: Plenary session on Science Plan, Part II: Fields of Interest and Targets of Opportunity

Chapter I: Challenges for deep Earth research

Part I: Resolving deep Earth structure. Moderators: Trampert and Ritter

Part II: Mantle dynamics and topography. Moderators: Bunge and Spakman

Chapter II: Lithosphere dynamics and topography. Moderators: Fernandez, Huisman and Thybo

Chapter III: The sedimentary basin perspective. Moderators: Roure and Cloetingh

Chapter IV: Surface mass transport.

Part I: Geochemical signatures. Moderators: Mulch and van der Beek

Part II: Geophysical and geomorphological signatures. Moderator: Schlunegger

Chapter V: TOPO-EUROPE science base for energy resources. Moderators: Roure and Cloetingh

Chapter VI: TOPO-EUROPE science for natural hazards. Moderators: Hovius and Spakman

Chapter VII: Identifying gaps. An integrative (holistic) approach. Moderators: Willett, Artemieva and Wortel

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 Initiative for Science in Europe (ISE), and with many Charitable Foundations and 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 for representing the Academia at a wide range of events.

The President and other members of the Board of Trustees, represented the Academia at meetings with a number of European Academies and with the senior management of a number of European Institutions. Individual meetings were held with our main sponsors, 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.

European research policy and advice

European Science Advisory Council (EASAC). In 2013 Professor Brian Heap MAE, (former Trustee) was Chair of the EASAC Council. He was the official Academia Europaea representative (supplemented by the President) on the EASAC Council. This organisation, formed by European Academies, and supported by the Academia Europaea is now providing EU institutions and other pan-national bodies with fully independent advice on the scientific aspects of public policy. Professor Walloe attended as an observer.



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 Professor Heap and of other of our participating members in the activities of the EASAC. [<http://www.easac.eu/>].

The 21st "Russia Prizes" Scheme 2013.

Professor V.P Skulachev MAE (President of the Russian Club of AE members) reports that: the 21st contest of AE Russian Prizes for young scientists, was successfully completed. Laureates received diplomas, medals and money (\$ 1,000 each) at the celebration ceremony on 23 December. The ceremony took place in the White-Yellow 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 \$ 10,000 and \$ 10,000, respectively. This money was distributed amongst 20 laureates. Additional expenses (\$3,000) for organization of the contest, was provided by Robusbuisinessbank. Reports about the events were published in newspapers "Poisk" and "Moscow University".

The AE-Russia Prizes laureates, were greeted by the members of the "Russia Club" of AE members and the sponsors

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.

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.

The award consists of a medal, a certificate and a cash award of US\$1000.

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.

List of 2013 laureates:

Physics:

Evgeny S. Gorbovskoy, 1986, Sternberg Astronomical Institute of Moscow State University, «Research of prompt optical emission of gamma-ray burst and discovery optical transients on the robot telescopes MASTER»

Andrey V. Grabovsky, 1981, Budker Institute of Nuclear Physics, Novosibirsk, «Description of semi hard processes in high energy physics»

Yulia I. Isakova, 1988, Tomsk Polytechnic University, «Generation of high-power ion beams in diodes with self-magnetic insulation»

Chemistry:

Sergey A. Adonin, 1987, Nikolaev Institute of Inorganic Chemistry SB RAS, «Complexes of polyoxotungstates with noble metals »

Pavel V. Gushchin, 1985, Saint Petersburg State University, «1,3,5-Triazapentadiene-based Platinum Group Metal Complexes Exhibiting Useful Photophysical and Solvate-Forming Properties»

Ekaterina D. Grayfer, 1985, Nikolaev Institute of Inorganic Chemistry SB RAS, «Highly exfoliated graphite, graphene, their derivatives and related layered materials»

Oleg A. Drozhzhin, 1983, Chemistry department of M.V.Lomonosov Moscow State University, «Materials for electrochemical energy sources: solid oxide fuel cells and Li-ion batteries»

Yulia V. Nelyubina, 1986, A.N. Nesmeyanov Institute of Organoelement Compounds RAS, «Polymorphism and Z²>1 phenomena in molecular crystals: topological analysis of electron density function as a tool in examining intermolecular interactions »

Earth sciences:

Julia A. Nefedyeva, 1982, OOO "Specialized Company "KREAL", «Comprehensive experimental study of changes of acoustic, electric and thermal properties of freezing soils under the influence of the oil pollution and its transformation»

Biology:

Olga A. Akimova, 1980, Biology department of M.V.Lomonosov Moscow State University, «Death of epithelial and endothelial cells triggered by cardiotonic steroids: identification of Na⁺,K⁺-independent p38MAPK-mediated signalling»

Olga M. Alekhina, 1980, Institute of Protein Research RAS, «Kinetic parameters of the initiation of translation in eukaryotic systems»

Yulia S. Bartuli, 1984, Institute of Chemical Biology and Fundamental Medicine SB RAS, «Fragments of rpS15e and eRF1 that neighbour mRNA codon at the 80S ribosomal A site»

Nadezhda E. Vorobyeva, 1983, Institute of Gene Biology RAS, « Role of the SWI/SNF chromatin remodelling complex in transcription regulation of the genes in Drosophila melanogaster»

Alexander S. Malogolovkin, 1983, National Research Institute of Veterinary Virology and Microbiology RAAS, «Molecular characterization of African swine fever virus»

Ilya A. Osterman, 1987, Department of Chemistry, Moscow State University, « Regulation of translation in bacteria by structure of 5'-UTR: fundamental researches and practical applications»

Olga S. Ostroumova, 1981, Institute of Cytology RAS, «The role of the dipole potential of membranes in the regulation of the channel forming activity of antimicrobial agents and toxins»

Anton O. Chugunov, 1981, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry RAS, «Computer modelling of structure and function of biomembranes and membrane proteins »

Alexey M. Shibeko, 1983, Center for Theoretical Problems of Physicochemical Pharmacology RAS, «Investigation of regulation of initial stages of blood coagulation»

Humanities:

Maksim U. Barbashin, 1981, Institute of Sociology RAS, Rostov-on-Don, « Institutions and Ethno-genesis: Institutional Reproduction of Ethnic Identity in Local Communities»

Bela M. Biragova, 1986, North-Ossetian State University, «Mass media and global ethnocultural interaction»

New Initiatives Fund: No activity for 2013

Other Projects

Work continued with phase 4 of the "Virtual Academy" project that is funded out of a five-year grant from the Riksbankens Jubileumsfond (The Royal Bank of Sweden Tercentenary Fund). The project is 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 will become the definitive information point on individual members of the Academy and provide access to interested public surfers. The management of the content of this site will be under the control of the Graz team (Dana Kaiser) and the AE Wroclaw Knowledge Hub team.



The 'Riksbankens' project also includes significant themes on a modern context for the issues surrounding multicultural Europe, through a "Dialogue of European Cultures" and plans to strengthen the position and role of the Humanities in pan European scholarship and policy. Activities (Turkey in Europe II; Regimes of Memory II, Humanities in Europe; Humanities in a global context – an AE-China Dialogue meeting and Barcelona Disputatio 2014) will be developed and supported from the grant in the last year of the project programme.

Publications 2013

In 2013 the following publications were released all funded by the Riksbankens grant: “Turkey in Europe” – **European Review VOL. 21 No 3 July 2013** and “Regimes of Memory” – **European Review VOL 21 no. 4 October 2013**.

Report of the activity of the AE Knowledge Hubs

Wroclaw

The Wroclaw Hub is now fully active for over two years, with a full time staff and a few students from the University of Wroclaw as interns. It was a very busy year for the Hub. In 2013 we arranged a number of wide scope high-quality international activities. These included: organization of three lectures, very first seminar about Early Modern Print Culture in Europe and 25th Annual Conference of Academia Europaea. Also we officially launched promo movie (which was produced in 2012), produced Planner Guide of Wroclaw.

During 2013 we also supported All European Academies (ALLEA) and Young Academy of Europe (YAE).

25th Annual AE Conference

On **16-19 September 2013** the annual anniversary, international academic conference, titled „**European Science and scholarship looking ahead - challenges of the next 25 years**” was held in Wroclaw. 2013 marked a key anniversary – as it was the 25th annual conference of the Academia Europaea. The event brought together approximately three hundred and fifty scholars; two of who were Noble Prize laureates, as well as laureates of other major international academic awards (for example: Lasker Award, Turing Award, Abel Award or Gödel Prize).

The conference program was designed to create a platform for opinion exchange for the significant European scholars representing all academic fields. The discussions concerned the condition of contemporary science and education, as well as attempted to clarify key topics and European science agenda challenges that are to be tackled in the future. The possibility of establishing sustainable research programs was also being discussed. The conference itself as well as the European and Polish scholars’ ‘elite’ contribution presented a unique opportunity for science promotion within the Polish scientific environment. Furthermore, it was a special chance to introduce the distinguished personas of the Polish scientific community on an international arena and to demonstrate that the future success of Poland and development of science are strongly interconnected, particularly among the younger generation of scholars.



The conference gathered more than 350 participants, with approximately one third coming from within Poland. The lectures were held by internationally renowned scientists, such as Nobel Prize winners: **Robert Huber** (chemistry) and **Bert Sakmann** (Physiology or Medicine), laureates of the Gödel Prize: **Moshe Y. Vardi**, **T. Kibble** – co-discoverers of the „God particle”, **Martin Rees** - astronomer, **Salvatore Settis** –Italian archeologist; laureate of the Gambirinus-Mazzotti Award, **Jonathan Israel** – notable historian of the Age of Enlightenment, **Hans Joachim Schellnhuber** – leading figure in global climate change research, Helga Nowotny

– sociologist, Head of the European Research Council, Anne Glover – main scientific adviser to the European Commission, two distinguished scholars from Poland – sociologist **Piotr Sztompka** and physicist **Tomasz Dietl**, and last but not least **Norman Davies** – one of the most renowned historians of our days – laureate of this year's 'Erasmus Medal', the highest scientific distinction of the Academia Europaea.



During the official Opening Ceremony, the diplomas were handed over to 10 outstanding young Polish scholars who received the **2013 Burgen Scholarships** of the AE. The awardees had an opportunity to say a few words of introduction and share their lists of accomplishments with invited guests during the Gala Dinner. The Mayor of Wrocław, **Rafał Dutkiewicz**, and the President of Academia Europaea, Lars Walloe, greeted honorable guests at the Town Hall during the Welcome Reception. The Official Gala took place at the Wrocław Congress Center the following day. During the dinner, the Burgen Scholars, as well as AE President **Lars Walloe**, First AE President, **Sir Arnold Burgen**, and the representative of the French Academy of Sciences, Prof. **Yvon Le Maho** and representative of the Royal Society of London - Professor **Lord Rees of Ludlow** (former President of the Royal Society), delivered their speeches of congratulation to the AE. The Wrocław multimedia fountain display was a highlight of the evening.

The substantive part of the conference was prepared by AE Program Committee members. All the logistics was smoothly taken care of by the team of Academia Europaea Wrocław Knowledge Hub, kindly assisted by the Convention Bureau – Wrocław (working on behalf of the City of Wrocław) and the Head office of the AE in London.

Additional events and meetings during AE Conference

Several additional events and meetings took place concurrently with the anniversary conference. These included: **Board Meeting of All European Academies (ALLEA)**, **Board Meeting with Annual Conference of the Young Academy of Europe (YAE)**, accompanying exhibition of young artists "**Areas under Curves**" and "**Early Modern Print Culture in Central Europe Seminar**".

"Areas under Curves" Exhibition

The exhibition presented four artists related to the **Academy of Young Scholars and Artists** and employed at the Eugeniusz Geppert Academy of Art and Design.



The Academy of Young Scholars and Artists is a platform for interdisciplinary, free and intense intellectual exchange. The first in Poland, the Academy was launched in 2010. The Academy provides space for its members representing various fields to realize the ancient ideal of the unity of learning. Members of the Academy were actively involved not only in the exhibition, but also in the Annual Meeting of the Academia Europaea. They participated in the conference as individual session speakers (**Ewa Jankowska**) and Burgen Scholars (**Adam Kręćiel** and **Bartłomiej Skowron**). More information at: www.akademia.wroc.pl

“Early Modern Print Culture in Central Europe” Seminar

The **Wrocław Seminars** is an initiative of **Academia Europaea, University of Wrocław** and **Riksbankens Jubileumsfond** appointed as a three-year project including three international seminars. This whole project is intended mainly for young researchers (before the doctorate or right after it) from Central and Eastern Europe. AE Board wants to transform this initiative into multiannual program aiming at the development of scientific and research bridges between Western Europe and Central and Eastern Europe.

The first seminar Early Modern Print Culture In Central Europe took place at the same time as 25th Conference of Academia Europaea from **16 to 18 September 2013**, at the Faculty of Philology, University of Wrocław. Support and substantial assistance of the Dean of Faculty Prof. **Marcin Cieński** and professor of the Netherlands Philology Prof. **Stefan Kiedroń** were of invaluable help.

The program of the seminar was designed to enable a development of a platform to exchange opinions between experienced scientists from Europe and USA and young researchers mainly from Central and Eastern European countries who are at the beginning of their academic careers. The seminar gathered more than 50 persons, with 24 presenting their papers. Such great personalities as Prof. **Jonathan Israel** – great historian of the Age of Enlightenment or Prof. **Andrzej Borowski** from the Jagiellonian University, Prof. **Bela Mester** from the Budapest University and Prof. **Anne-Marie Rimm** from the Uppsala University participated in the seminar.



The seminar's Scientific Committee decided on connecting the event with the annual conference of Academia Europaea taking place in Wrocław at the same time. This decision gave young scholars from Central and Eastern Europe the unique chance to participate in such an important European scientific conference as AE

Committee decided the annual Europaea taking time. This decision Central and Eastern Europe participate in such an event as AE

The International Seminar Early Modern Print Culture In Central Europe will be implemented in Wrocław for several years as the project named The Wrocław Seminars. The project has established foundations for integration of various scientific communities, especially for developing bridges connecting scholars from Central and Eastern Europe with those from Western Europe. Financial support of the conference by Riksbankens

Jubileumsfond funds contributed to accomplishment of assumed goals and affected positively internationalization and development of research and development potential in Poland. Full information is also available at: www.acadeuro.wroclaw.pl

Visiting Lectures

As in 2012, the Wrocław Hub arranged a series of lectures for local students. The purpose of these visits is to bring distinguished researchers to Wrocław in order to enhance the quality of higher education and supplement various faculties of the University.



The first visiting lecture was held at Wrocław University of Environmental and Life Sciences and led by Professor Lars Walløe, the president of Academia Europaea. In this lecture, Professor Lars Walløe talked about “**Epidemics of the bubonic plague, their causes and consequences for European history in the late medieval and early modern period**”.

In addition, Academia Europaea Knowledge Hub –Wrocław invited two AE members to make a contribution to “Summer School on Democracy: How old and new democracies cope with the economic crisis” organized by the University of Wrocław in cooperation with the University of Koblenz - Landau, Université libre de Bruxelles, the Babes-Bolyai University and the University of Bucharest. Professor **Pieter Emmer**, the Board Member of the AE shared his view on the impact of decolonisation on European politics between 1945 and 1975. Professor **Klaus von Beyme**, one of the most important representatives of comparative political science, gave a lecture about transformations of politics and economics in Eastern Europe. All lectures were streamed live.

Students interships and bilateral agreements

Thanks to two **bilateral agreements** signed between the Academia Europaea, Jan Nowak-Jeziora ski College Foundation of Eastern Europe in Wrocław and the University of Wrocław the Wrocław Hub is open for MA students. In 2013 four students were pursuing their traineeships at AE Office: **Anna Malanda** (MA Student from the Faculty of English, University of Wrocław), **Patrick Kozakiewicz** (Dual MA Student of Political Science Department, University of Wrocław), **Patrycja Pi tkiewicz** (MA Student from the Faculty of Romance Philology, University of Wrocław) and **Mateusz Ball** (MA Student of Political Science Department, University of Wrocław). Internship basic duties, among other things, were: familiarization of the structure and operations within the AE, editing the AE website (text structure, text selection, editing, formatting) and working with Wiki syntax, helping with co-organising lectures and conferences, translation, verification, writing and proofreading of documents and texts.

In addition, all parties of the agreements decided to make a commitment to the development and maintenance of long-term cooperation in the areas of higher/further education, science and promotion of scholarships. Cooperation between the parties is executed through programs of mutually agreed activities: co-organisation of international scientific conferences, seminars and summer schools, exchange of experiences in the field of education and training programs to adapt to the needs of the labour market, internationalisation of scholars from Wrocław with Academia Europaea members.

Daily work

Simultaneously to already mentioned activities the Academia Europaea Knowledge Hub – Wrocław:

- supports Graz Information Centre in updating www.ae-info.org website and profiles,
- supports Nomination Process in preparing and sending welcome packs to new members of Academia Europaea (elected in Bergen and in Wrocław),
- organizes Board Meetings in Wrocław (June and September 2013),
- produced and officially launched promo movie planner guide of Wrocław,
- refreshed promotional materials of the Academia Europaea (leaflets, folders, roll-ups, brochures, Directory 2012 and 2013, etc.).

Dr Ola Nowak

Barcelona

In 2011, the Government of the Generalitat de Catalunya, the Barcelona City Council and the Obra Social "la Caixa", on one side, and the Academia Europaea on the other, agreed to initiate bilateral cooperation leading to the establishment of an office of the Academia Europaea based in and operating in Barcelona. The offer was made by a letter from the Minister of Economy and Knowledge of the Government of Catalonia to the Academia Europaea Board of Trustees, dated 10 December 2011.

On 13 April 2012, the Generalitat de Catalunya, the Barcelona City Council and the Obra Social "la Caixa", on one side, and the Academia Europaea on the other, signed a letter of intent to work to secure proper and agreed facilities and conditions, so as to enable and sustain the creation of a viable Knowledge Hub of the Academia Europaea in Barcelona.

Following this letter, the Fundació Catalana per a la Recerca i la Innovació (FCRi) was asked by the three sponsoring institutions (the Generalitat de Catalunya, the Barcelona City Council and the Obra Social "la Caixa") to act on their behalf to establish and sustain the Barcelona Knowledge Hub (BKH) of the Academia Europaea (AE).

On 14 December 2012, the FCRi and the AE signed a collaboration agreement with the aim to create a hub in Barcelona as the AE branch for Southern Europe and the Mediterranean area, fostering scientific knowledge and research, as well as activities in the field of the social sciences and the humanities. This agreement stated that the FCRi would assume the daily operating costs and the running expenses of the BKH. This agreement is valid for a period of 3 years and it can be automatically extended for an extra period of 2 years.

On 20 December 2012, the FCRi and the IEC signed a collaboration agreement to enable the hub to be located in the main venue of the Institut d'Estudis Catalans (IEC).

On 10 April 2013, the FCRi and the Barcelona City Council signed the collaboration agreement covering 2013.

Activities 2013

2.1 Office

In January 2013, the Barcelona Knowledge Hub (BKH) started its activities with the following structure: an Academic Director, office personnel and an Advisory Committee.

Professor Genoveva Martí, MAE and ICREA researcher at the Department of Logic, History and Philosophy of Science of the University of Barcelona, has been the Academic Director since January 2013.

Ariadna Barcelona along with Nicole Skinner (from January to August) and Joaquim Bosch (from September to December) have been the office personnel in 2013. In September, and responding to the increase of activities of the BKH, the role of the office personnel was redefined and Ariadna Barcelona assumed higher responsibilities than before (administrative) and Joaquim Bosch joined as Executive Director.

The Advisory Committee is composed of the following three AE members: Ricard Guerrero, Scientific Secretary of the Institut d'Estudis Catalans (IEC), Jordi Galí, director of the Centre de Recerca en Economia Internacional (CREi), and Ramon Gomis, director of the August Pi i Sunyer Biomedical Research Institute (IDIBAPS).

During its very first year of existence, the BKH has adopted a corporative logo as a modification of the institutional logo of the Academia Europaea, where the legend "Barcelona Knowledge Hub" has been added.

English has been adopted as the official language of the BKH, and therefore it is the language of all events organized by the BKH, though the BKH may also take part or collaborate in the organisation of events in other languages.



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

2.2 Website

The personnel of the BKH in collaboration with the FCRi Department of Informatics have launched the website of the BKH¹.

The website is kept up to date also by the BKH personnel with the support of the FCRi Department of Informatics.

2.3 Barcelona Disputatio

On November 27, the Saló de Cent of the Barcelona City Council hosted the Disputatio “Social and State-of-the-art medicine” with philosopher Thomas Pogge, President of the Health Impact Fund, and neuroscientist Mara Dierssen, group leader at the Centre for Genomic Regulation.

The event, organised along with the Barcelona City Council, was inspired in medieval *disputationes*, a formalized method of debate designed to uncover and establish truths in theology and in sciences. It was celebrated on the occasion of the 750 anniversary of the Disputatio of Barcelona, held in 1263 before King James I of Aragon, which was one of the inter-faith *disputationes* that took place between Christian and Jewish theologians.



Thomas Pogge



Mara Dierssen

The 2013 Barcelona Disputatio was structured in three blocks, the first two being presentations by the speakers and the third one questions addressed by the audience and answers by the speakers.

The Barcelona *disputationes* are intended to become the annual BKH flagship activity. A website has specifically been established for the Barcelona Disputatio², which includes historical references to medieval *disputationes*.

¹ <http://barcelona.acadeuro.org>

² <http://www.barcelonadisputatio.com>

The website currently includes a photo gallery, a video with the full Disputatio and a 7 minute video with highlights of the event.

The BKH and the Disputatio websites, as well as the youtube channel of the Barcelona City Council, offered the possibility to follow the event on line via streaming. So far, the videos of this event have had nearly 400 visits.

Over two hundred people attended the Saló de Cent. The Board was chaired by the Mayor of Barcelona, Xavier Trias, who was accompanied by the President of the Academia Europaea, Lars Walløe, the Minister of Economy and Knowledge of the Catalan Government, Andreu Mas-Colell, the Vice President of the Academia Europaea, Anne Buttimer, and the Academic Director of the Barcelona Knowledge Hub, Genoveva Martí.



Speakers and Board of the Barcelona Disputatio 2013. From left to right: Genoveva Martí (Academic Director of the Barcelona Knowledge Hub), Lars Walløe (President of the Academia Europaea), Xavier Trias (Mayor of Barcelona), Mara Dierssen (group leader at the Centre for Genomic Regulation, speaker), Thomas Pogge (President of the Health Impact Fund, speaker), Anne Buttimer (Vice President of the Academia Europaea) and Andreu Mas-Colell (Minister of Economy and Knowledge of the Catalan Government).

2.4 Homo Scientificus Europaeus

On November 8, the Ateneu Barcelonès hosted the debate “Homo scientificus europaeus. The search for a sustainable future for European science”, organised by Ateneu Barcelonès, Euroscience and the Obra Social “la Caixa”. The Barcelona Knowledge Hub took part in this debate, held in Barcelona.

The debate dealt with the critical situation R&D is going through in certain countries in Southern Europe. AE members José Mariano Gago (International Risk Governance Council) and Federico Mayor Zaragoza (former Director-General of UNESCO), with a recorded speech, took part in this event, along with Gilles Mirambeau and Peter Tindemans (Euroscience), Amaya Montoro (CSIC, Spain), Varvara Trachana (University of Thessaly, Greece), Francesco Sylos (CNR, Italy) and José Manuel Fernández (Precarios, Spain).

The languages of the event were English and Spanish.

2.5 AE 26th Annual Conference

The event that has probably demanded more dedication throughout 2013—and that will certainly concentrate most of the work in 2014—is the organisation of the 26th Annual Conference of the AE, which will take place in Barcelona in July 2014.

In 2013, an Organising Committee and a Programme Committee were established. The Organising Committee is chaired by the Academic Director of the BKH, Genoveva Martí. The Programme Committee is composed of 18 members of the Academia Europaea plus a member of the Young Academy of Europe.

The Conference will deal with realities, dilemmas and opportunities for the new generation from a multidisciplinary approach. The scientific programme will be structured in three blocks: Medical and Health Breakthroughs, Social Issues and Opportunities i Environment and Sustainability.

The Conference will take place from the 16th to the 18th of July at the Institut d'Estudis Catalans and CosmoCaixa.

2.6 Networking

The Barcelona Knowledge Hub has contacted academic research institutions from Southern Europe and the Mediterranean.

Contacts have been established with the Institute on Globalization, Culture and Mobility of the United Nations University (UNU-GCM), established in Barcelona; the Young Academy of Europe; the Ateneu Barcelonès; and the geophysics project Topo-Europe.

Dr Joaquim Bosch Barcelona Knowledge Hub, March 2014

2013 New members elected

Following two-days of deliberations by Section chairs and a formal decision by the Council on 16 September. The following new members were invited and subsequently accepted election to membership of the Academia Europaea.

Full name (NR) = No response	Country
History & Archaeology (28)	c. Renate Pieper (2016/2019)
James Stephen AMELANG	Spain
Graeme William Walter BARKER	United Kingdom
Michael BORGOLTE	Germany
Bruce Mortimer Stanley CAMBELL	United Kingdom
Karine CHEMLA	France
Roumen DASKALOV	Bulgaria
Nicholas DE LANGE	United Kingdom
Max ENGAMMARE	Switzerland
Maribel FIERRO	Spain
Pál FODOR	Hungary
Mercedes GARCIA-ARENAL	Spain
Hans-Werner GOETZ	Germany
Christopher Stuart HENSHILWOOD	Norway
Siegfried HUIGEN	Poland
Mario INFELISE	Italy
Maciej JANOWSKI	Poland
Martin JONES	United Kingdom
Wolfgang KAISER	France
Carlos MARTÍNEZ-SHAW	Spain
David John MATTINGLY	United Kingdom
Walter POHL	Austria
Jörg RÜPKE	Germany
Stephen SHENNAN	United Kingdom
Ryszard STEMPLOWSKI	Poland
Peter STROHSCHNEIDER (NR)	Germany
John TOLAN	France
Marco H.D. VAN LEEUWEN	Netherlands
Bartolomé YUN CASALILLA	Italy
Classics & Oriental Studies (14)	c. Harm Pinkster (2016)
Judit ÁROKAY (from 2012)	Hungary
Colette BODELOT	France
Douglas CAIRNS	United Kingdom
Craig CLUNAS	United Kingdom
Emily GOWERS	United Kingdom
Richard Lawrence HUNTER	United Kingdom

Full name	(NR) = No response	Country
Michael KINSKI		Germany
Eun-Jeung LEE		Germany
Alexander LUBOTSKY		Netherlands
Dagmar MUCHNOVA		Czech Republic
Gianpiero ROSATI		Italy
Ineke SLUITER		Netherlands
Catherine VIRLOUVET		Italy
Urs Matthias ZACHMANN		United Kingdom
Linguistic Studies (14)		c. Wolfgang Dressler (2015)
Emanuele BANFI		Italy
Brita BERGMAN		Sweden
James BLEVINS		United Kingdom
Milena ŽIC FUCHS		Croatia
István KENESEI		Hungary
Andrej KIBRIK		Russian Federation
Asifa MAJID		Netherlands
Ingo PLAG		Germany
Angela RALLI		Greece
Bo Rune Ingemar RALPH		Sweden
Nikolaus RITT		Austria
Susan ROTHSTEIN		Israel
Bonifacas STUNDŽIA		Lithuania
Nigel VINCENT		United Kingdom
Literary & Theatrical Studies (19); Foreign 3;		c. Svend Erik Larsen (2015)
Jonathan BATE	(NR)	United Kingdom
Rachel BOWLBY		United Kingdom
Geert BUELENS		Netherlands
Véronique GÉLY		France
Edith HALL	(NR)	United Kingdom
Ute HEIDMANN	(NR)	Switzerland
Lisa JARDINE		United Kingdom
Julián Heffernan JIMENÉZ		Spain
Zhang LONGXI (FOREIGN)		China
Igor MAVER		Slovenia
Martin MIDDEKE		Germany
Franco MORETTI (FOREIGN)	(NR)	United States
Lars Boje MORTENSEN		Denmark
Christopher PRENDERGAST		United Kingdom
Martin PUTNA	(NR)	Czech Republic
Naomi SEGAL		United Kingdom
Ning WANG (FOREIGN)		China
Robert K. WENINGER		United Kingdom
Bertrand WESTPHAL		France
Musicology & History of Art & Architecture (13); Foreign 1		c. Philippe Vendrix (2013/16)
Gianmario BORIO		Italy
David Joseph BURN		Belgium
Krista DE JONGE		Belgium
Tiago DE OLIVIERA PINTO		Germany

Full name	(NR) = No response	Country
Dinko FABRIS		Italy
Iain FENLON		United Kingdom
Christian Thomas LEITMEIR		United Kingdom
Birgit LODES		Austria
Emilio ROS-FABREGAS		Spain
Emanuele SENICI		Italy
Martin STOKES		United Kingdom
Janka SZENDREY	(NR)	Hungary
Henri Thomas ZERNER [FOREIGN]		USA
Philosophy, Theology & Religious Studies (14)		c. Simo Knuuttila (2015)
Guenter ABEL		Germany
Gustaf ARRHENIUS		Sweden
Joël BIARD		France
Manuel GARCÍA-CARPINTERO		Spain
Jean GAYON		France
Kathrin GLÜER-PAGIN		Sweden
Jaakko HINTIKKA	(NR)	Finland
Edward Jonathan LOWE	(NR)	United Kingdom
Diego MARCONI		Italy
Michael QUANTE		Germany
John TASIOULAS		United Kingdom
Ellen VAN WOLDE		Netherlands
Timothy WILLIAMSON		United Kingdom
Jan WOLE SKI		Poland
Behavioural Sciences (7)		c. Peter Scott (2016/2019)
Eveline A. CRONE		Netherlands
Valéria CSÉPE		Hungary
Fillip DOCHY		Belgium
Anna Liisa KELTIKANGAS-JÄRVINEN		Finland
Patrick Michael Anthony RABBITT		United Kingdom
Ursula Marie STAUDINGER		Germany
Social Sciences (11); Foreign 2		c. Anne Buttimer (2015)
Christoph BRUMANN		Germany
Yale Hicks FERGUSON (FOREIGN)		United States
Salvador GINER		Spain
Haim GOREN		Israel
András Kőrösényi		Hungary
Peter KURRILD-KLITGAARD		Denmark
Ian O'DONNELL		Ireland
Adam ROBERTS		United Kingdom
Allen J. SCOTT (FOREIGN)		United States
Martin SöKEFELD		Germany
Leo J. G. VAN WISSEN		Netherlands
Law (4)		c. Joseph Straus (2015)
José A. GOMEZ SEGADE		Spain
Arthur HARTKAMP		Netherlands
Louis VOGEL		France
Verica TRSTENJAK		Austria

Full name	(NR) = No response	Country
Economics, Business & Management Sciences (9); Foreign 1		c. P. Nijkamp (2016)
Salvador BARBERA		Spain
Amelie CONSTANT (FOREIGN)		United States
László CSABA		Hungary
Christian DUSTMANN		United Kingdom
Kai A. KONRAD		Germany
Francesko LIPPI		Italy
Kjetil STORESLETTEN		Norway
Thierry Andre Louis VERDIER		France
Friederike WALL		Austria
Mathematics (12); Foreign 1		c. Juerg kramer (2016/19)
Luigi AMBROSIO		Italy
Enrico ARBARELLO		Italy
Jean-Pierre DEMAILLY		France
Heinz ENGL		Austria
Gérard LAUMON		France
János PINTZ		Hungary
Imre Z. RUZSA		Hungary
Peter SARNAK (FOREIGN)		United States
Stanislav SMIRNOV		Switzerland
Vera SOS (Pálné Turán)		Hungary
Alex James WILKIE		United Kingdom
Informatics (31); Foreign 2		c. Hermann Maurer (2015)
Henri BAL		Netherlands
Wolf-Tilo BALKE		Germany
Marie-Paule CANI		France
Jordi CORTADELLA		Spain
Nachum DERSHOWITZ		Israel
Schahram DUSTDAR		Austria
Anja FELDMANN		Germany
Anthony FINKELSTEIN		United Kingdom
Jan FLUSSER		Czech Republic
Carlo GHEZZI		Italy
Martin Charles GOLUMBIC		Israel
Orna GRUMBERG		Israel
Monica HENZINGER		Austria
Holger HERMANN		Germany
Christian Søndergaard JENSEN		Denmark
Marek M. KARPINSKI		Germany
Joost-Pieter KATOEN		Germany
Anne-Marie KERMARREC		France
Wolfgang MAASS		Austria
Gerald Quentin MAGUIRE		Sweden
Friedemann MATTERN		Switzerland
Bart PRENEEL		Belgium
Thomas W. REPS (FOREIGN)		United States
Ulrike SATTLER		United Kingdom
Dieter SCHMALSTIEG		Austria

Full name	(NR) = No response	Country
Thomas Georg Wilhelm SCHWENTICK		Germany
Siegfried SELBERHERR		Austria
Roman SŁOWI SKI		Poland
Arnold SMEULDERS		Netherlands
Dorothea Maria Anna WAGNER		Germany
Mihalis YANNAKAKIS (FOREIGN)		United States
Physics & Engineering Sciences (15); Foreign 3		c. Muhsin Harakeh (2015/2018)
Ergin ATALAR		Turkey
Adrian BEJAN (FOREIGN)		United States
Alberto CARPINTERI		Italy
Francesco IACHELLO (FOREIGN)		United States
Mikhail KATSNELSON		Netherlands
Paul Frederick LINDEN		United Kingdom
Javier LLORCA		Spain
Renate LOLL		Netherlands
Gerardus J. Maria MEIJER		Germany
Vincent POOR (FOREIGN)		United States
Theo RASING		Netherlands
Achim RICHTER		Germany
Dirk RISCHKE		Germany
Gabor STEPAN		Hungary
Peter ZOLLER		Austria
Chemical Sciences (17); Foreign 1		c. Michel Che (2013)
Robert BURCH		United Kingdom
Enric CANADELL		Spain
Charles Richard Arthur CATLOW		United Kingdom
Bernadette CHARLEUX		France
Serge Alain COSNIER		France
Peter Philip EDWARDS		United Kingdom
Lyndon EMSLEY		France
Daniel FRENKEL		United Kingdom
Kenneth David Maclean HARRIS		United Kingdom
Craig HILL (FOREIGN)		United States
Alexander Viktorovich KABANOV		Russian Federation
Jacob KLEIN		Israel
Ludwik LEIBLER		France
Gerardus Johannes Maria MEIJER	(NR)	Netherlands
Ronny NEUMANN		Israel
Roeland NOLTE		Netherlands
Adriano ZECCHINA		Italy
Earth & Cosmic Sciences (8); Foreign 1		c. Donald Dingwell (2014)
Gilberto ARTIOLI		Italy
Gordon E. Jr. BROWN (FOREIGN)		United States
Giulio DI TORO		Italy
Elisabetta ERBA		Italy
Heino FALCKE		Netherlands
Alberto FRANCESCHINI		Italy
Pilar RUIZ-LAPUENTE		Spain
Alexander SOBOLEV		France

Full name	(NR) = No response	Country
Biochemistry & Molecular Biology (20)		c. Witold Filipowicz (2016/2019)
Wendy BICKMORE		United Kingdom
Eric GILSON		France
Rudolf GROSSCHEDL		Germany
Kristian HELIN		Denmark
Nouria HERNANDEZ		Switzerland
Caroline HILL		United Kingdom
Anne HOUDUSSE		France
Marcelle KAUFMAN		Belgium
Ulo LANGEL		Sweden
Martin LOHSE		Germany
Fatima MECHTA-GRIGORIOU		France
Ferdinando PALMIERI		Italy
Annalisa PASTORE		United Kingdom
Jose Luis RIECHMANN-FERNANDEZ		Spain
Sebastian SUERBAUM		Germany
Iannis TAILANIDIS		Greece
Boris TURK		Slovenia
András VÁRADI		Hungary
László VIGH		Hungary
José M. VELPUESTA		Spain
Karen VOUSDEN	(NR)	United Kingdom
Cell Biology (8)		c. Margaret Buckingham (2013)
Carmen BIRCHMEIER		Germany
Thomas BRAUN		Germany
Sirpa JALKANEN		Finland
Michael JETTEN		Netherlands
Peter LANSDORP		Netherlands
Jacques NEEFJES		Netherlands
Claudio Daniel STERN		United Kingdom
Physiology & Medicine (16)		c. Dimitri Rusakov (2016/2019)
Jan Albrecht		Poland
Gyorgy BAGDY		Hungary
Peter BOYLE		France
Elias CAMPO-GUERRI		Spain
Nicolas DEMAUREX		Switzerland
Christian GIAUME		France
Michael Thomas HENEKA		Germany
Stephen Townley HOLGATE		United Kingdom
István KATONA		Hungary
Ole KIEHN		Sweden
Stephane OLIET		France
David Barry SATTELLE		United Kingdom
Jan A.M. SMEITINK		Netherlands
Colin William TAYLOR		United Kingdom
Rufin VOGELS		Belgium

Full name	(NR) = No response	Country
Cisca WIJMENGA		Netherlands
Kurt ZATLOUKAL		Austria
Organismic & Evolutionary Biology (2)		c. Yvon Le Maho (2015)
Denis ALLEMAND		Monaco
Michel LOREAU		France
Applied & Translational Biology		c. D i á n a Bánáti (2015/2018)

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) and was funded out of the Riksbankens “Virtual Academy” Programme grant.

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 above, including from the 2012 annual meeting in Bergen. 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 “Reason and Unreason in 21st Century Science” was published (Vol 21 Suppl. 1, July 2013. This had been sponsored by the Royal Swedish Academy of Antiquities and Letters and the Calouste Gulbenkian Foundation. The Journal received its first impact factor from Thomson-Reuters. Top citations were dominated from Volume 18.

An AE HERCuLES group - Wenner Gren Foundations volume was published in the Wenner Gren International Series (number 86) – “Trust in Universities” – Edited by Professors Lars Engwall MAE and Peter Scott (MAE) and published by The Portland Press (ISBN 978-1-85578-194-8). The papers are available online and **free access** at www.portlandpress.com/pp/books

Communications

During the year an A-Z membership directory for 2013 was published , new communication leaflets printed and exhibition materials created and made available online and through E-newsletters to members. The corporate web site www.acadeuro.org was migrated to www.ae-info.org to consolidate external visibility. General mailings to members were kept under control, with increased use of emailing and E-zine newsletters. The Wroclaw and Barcelona Hubs also managed their own local websites (http://www.ae-info.org/ae/Acad_Main/Wroclaw_Knowledge_Hub and (<http://barcelona.acadeuro.org/>) a link was established to the Young Academy of Europe website at <http://yacadeuro.org/>

Two major developments were ongoing as a result of project grant funding from the **Riksbankens Jubileumsfond**: The Board approved the final development of phase V of the new Information and public relations web portal



Officers of the Academy was developed.

As a subscribing member of the European Academies Science Advisory Council, 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) for the development of future collaborative projects and activities. AE also re-established observer status with the Initiative for Science in Europe organisation.

The Trustees, Council and their subcommittees

The Board of Trustees met on 29 April (Munich), 24 June (Wroclaw), 16 September. All meetings were quorate. The Council met in Wroclaw on 16 September 2013. The Council’s Nominations Subcommittee met on 14-15 September also at Wroclaw.

Annual Business Meeting 2013

Took place at the Aula Leopoldina of the University of Wroclaw on 16 September 2013. The President was in the Chair. There were sixty-two members in attendance. The minutes of the 2012 AGM were approved and signed. In accordance with the regulations: Members present elected Professor Marie Farge (Physics) and Professor Laszlo Csernai (Physics) to the Council for a three year term, as independent members. Professors Ferrini and Bassnet duly retired from Council. Professor Gulyas was re-appointed to Council for a final term. The members received reports from the Treasurer and approved motions to appoint the auditors. Members also adopted the 2012 activities report and the audited annual accounts. The President launched the call for nominations for candidates as President. The election will be held in 2014. 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); Editor-in-chief of the European Review (Prof. D'Haen), Academic Director of the Barcelona Hub (Prof. Marti) and manager of the Wroclaw Hub (Dr Nowak). Professor Heap (retiring chair of EASAC) gave a short report. Prof. Ferrini reported that the Council had agreed to award the 2014 Erasmus Medal to Prof.dr Kurt Mehlhorn (Informatics). Prof. Vaagen (Physics), Bergen) gave a short overview of a proposal to be tabled for the Trustees, to establish a third regional Hub of the Academia Europaea at Bergen. The 2014 AGM will take place at Barcelona on 16 July, 2014.

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 submitted a report:

Law Section

In 2013 the Law Section Committee met twice, once in Munich and once during the Wroclaw Annual Conference.

The main activity of the Committee was focused on organizing, on the one hand, a workshop of the Law Section at the Wroclaw Conference, and on the other, in organizing, respectively co-organizing with the Section of [Economics, Business and Management Sciences](#) a panel discussion in the plenary session of the Wroclaw Conference.

As far as the workshop is concerned, it was titled "*European Ideal as Challenge*" and took place on Tuesday, September 17, 2013 in the afternoon. In this workshop, chaired by Professor Ditlev Tamm, Copenhagen, Prof. Dirk Heirbaut, Ghent, gave a talk on "Germany's Past Europe's Future?", Prof. Dieter Grimm, Berlin, a talk on "Cooperation and Conflict – The Role of European and National Courts in the Process of Integration", Prof. Pia Letto-Vanamo, Helsinki, on "Europe and the Law", and Prof. Verica Trstenjak, Vienna, on "Union Citizenship and the Influence of the Court of Justice of the EU". All lectures were of highest quality and very well received by the audience. However, the audience was modest in numbers, as it was, in general, the attendance of Wroclaw Conference by Members of the Law Section.

The panel discussion in the plenary session, co-organized with the Section of [Economics, Business and Management Sciences](#), was under the motto "*The European Challenge in Uncertain Futures*". In this plenary debate Prof. Kai Konrad, Munich/Berlin, addressed the issue of "The European Debt Crisis, its Development and Possible Structures", Prof. Alberto Quadrio Curzio, Rome, spoke on "A New Path to Sustainable Growth for EMU and EU", Prof. Jacques Poot, Hamilton, New Zealand, on "Migration and Global Economic Welfare", Prof. Stanislaw Soltysinski, Poznan/Warsaw, on "Prospects of Reforms in the Aftermath of the Financial Crisis"; and the Chair, Joseph Straus, on "The Threat of Globalization and Europe's Clouded Relationship With Technology and Intellectual Property". The plenary debate was chaired by the Chair of the Section of [Economics, Business and Management](#), Prof. Peter Nijkamp, Amsterdam. The entire debate was very well received and has clearly shown that, in view of the modest attendance of Members of the Law Section, more generally tailored debates addressing topical issues of high interest to the contemporary society, in which Law Section members actively participate, seems to be best suited to attract interest of all members, and therefore should be included into the plenary sessions of annual conferences.

It should be added that in Wroclaw four new AE Members were admitted, namely, José A. Gomez Segade, Spain, Arthur Hartkamp, Netherlands, Louis Vogel, France and Verica Trstenjak, Austria.

Munich, March 10, 2014

Joseph Straus,
Chair, Law Section

Linguistic Studies

The Section and especially the Section Committee were active in proposing nominations of new members. 15 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 15 nominees were supported by the Section Committee. All but one, i.e. 14 were elected in Wrocław.

The Section Chair and several members planned a workshop on "threatened languages" for the annual meeting of the Academia Europaea in Wrocław, including also the participation of Polish non-members. Since, unfortunately, nobody of the proponents was able to find financial support for the invited speakers, this workshop plan had to be given up.

After the death of the Section Committee member Anna Siewierska. Maria Koptjevskaja-Tamm (Stockholm) was elected member of the Section Committee and approved by the presidency of Academia Europaea.

For health reasons, the Section Chair was impeded in participating in the Wrocław meeting and since his conditions did not improve enough, he resigned from his chair towards the end of the year. The Section Committee then elected with unanimity the fellow committee member Alain Peyraube (Paris) as candidate for the chairmanship, who was then nominated Section Chair by the presidency of Academia Europaea. The new chairman started immediately proceedings for the new nominations.

Wolfgang U. Dressler, Chair of the Section Committee for most of 2013

Alain Peyraube, Chair from 21 November 2013

Social Sciences

Eleven new members joined the Social Sciences Section in 2013 and 2 Section Newsletters were published, one in July (Social Sciences Section Update/Reminder) and in October (Newsletter N°5).

Anne Buttimer, Section chair, was elected vice-president of the Academia, and gave at the opening ceremony of the Wrocław Annual Conference, a presentation on a "Short History of the Academia Europaea". It was followed by a Social Sciences Session on " Paradigm Changes in the Social Sciences, Prospects for the next 25 years ", organized by Anne Buttimer and Antoine Bailly, with 4 presentations.

Anne Buttimer and Justin Stagl were the editors in 2013 of a special issue of the Academia Journal, European Review, containing essays based on presentations made at the conference on "Turkey and Europe: Mobility, Creativity and Trajectories", jointly sponsored by Academia Europaea and the Austrian Academy of Science in October 2012.

The Section is also preparing the Barcelona Annual Conference with a Session organized by Stüre Öberg and Antoine Bailly on "Internal Migration and Integration" and "New Regionalism, Frontiers for New Generations in a Global World"

Antoine Bailly (for Anne Buttimer)

Physics and Engineering (P&E) Section

1- Section members nominated 37 new members by May 31, 2012. Another nomination arrived post-deadline. The Section Committee ranked these nominations at its meeting at the Laboratoire de Météorologie Dynamique, Ecole Normale Supérieure (ENS), Paris on Monday, 10 June 2013. One last deferred and carried forward candidate from the 2012 (Bergen) nominations cycle was later also ranked. Our final nomination list had 39 candidates of which two were women. The membership Selection Committee selected 15 candidates (Physics, Engineering and Foreign members) out of the total of 39. Only one of the women went through. The fraction of women in the P&E Section is still very small.

During this meeting several other issues of importance to the Section and AE were discussed or presented: i) criteria for nomination and acceptance of candidates, ii) Open-Access (OA) Publications and their importance for all researchers in all fields of learning, iii) plans to establish an AE Knowledge Hub in Bergen, iv) preliminary plans to establish a particle-therapy centre in Bergen following the successful workshop organised by the P&E Section on "Heavy Ions in Science and Health", and the work of EASAC (the European Academies' Science Advisory Council) which concentrates on the topics of energy, environment and health.

2- Karlheinz Langanke (Germany) was elected as new Section Committee member at the Paris AE P&E Section Committee meeting. At the same meeting, the Section Committee members elected a new section Vice-chair, Pavel Exner. Furthermore, the Section elected two new Section Committee members in September: Tamás Csörg (Hungary) and Sydney Galès (France). All these elections were approved by the AE Council.

3- The P&E Section helped the Young Academy with the organisation of a parallel session at the AE Annual General Conference (AGC) that was held in Wrocław, Poland in the period 17-19 September 2013. The parallel session on Subatomic Physics had the title: "Understanding the Universe" and dealt with the theory

developments and the progress in the ongoing experimental programme at LHC/CERN. This was a very successful workshop also in the light of the Nobel Prize last year for the discovery of the Higgs particle.

4- A meeting of the Physics and Engineering Section was organised on Sunday, 15 September from 15:00 to 16:30, i.e. preceding the AE formal activities and AGC. Unfortunately, the attendance was very low because most of the Section members arrived either late on Sunday or on Monday, 16 September.

Musin N. Harakeh (Chair)

Behavioural Sciences Section

The Section has established its new Section Committee for the period of 2013 to 2015 and the Council has approved the new Section Chair, Peter Scott (Institute of Education University of London), and Deputy Chair, Ulrich Teichler (University of Kassel), replacing Johannes Siegrist and Töres Theorell. Members of the Section were informed about these changes in a joint letter from the outgoing and incoming Section Chairs in March 2013.

The Section was active in proposing nominations of new members. Nine nominations were received from members of the Section and eight were supported by the Section Committee. Six were finally agreed, although one subsequently declined the invitation to become a member of the Academia.

The new Section Chair and Vice-Chair participated in the Annual Meeting in Wroclaw and related meetings and discussed options of future activities, in particular with regard to the Barcelona Hub and the Annual Meeting of the Academia in Barcelona in July 2014.

Ulrich Teichler and Peter Scott were also contributors to a conference on academic migration and mobility in Europe, and the impact on universities, organised by the Academia with the support of the Accademia Nazionale dei Lincei in Rome in November 2013. The proceedings of the conference will be published as a book by the Portland Press in 2014.

Peter Scott (Chair)

Literary and Theatrical Studies

The section had new elections of Committee members. Re-elected are: Timothy Mathews and Theo D'haen. New is Marko Juvan, Ljubljana.

The section proposed c. 25 new members. The Committee made a ranking and forwarded those worthy of election or further discussion to the Nomination Committee. All above the bar were elected. The Committee met in Copenhagen in January. Minutes were sent to the AE secretariat, and during the Wroclaw conference in September.

The section organized a panel on the Future of Humanities during the 25 years anniversary conference in Wroclaw in September 2013.

Several members published in EurRev.

The section chair continues until 2016.

The section chair was elected to the Hercules group and participated in the meeting in Rome, November 2013.

The Committee endorsed a joined project/seminar on Symmetry in the Sciences, planned for 2016 by organized by Monika Fludernik, from our section (A4) with the section for mathematics and other members from the sciences.

The section chair has been elected to the board of trustees as the representative of the HSS sections (A1-A10).

Svend Erik Larsen (Chair)

Economics, Business and Management Sciences

The section of Economics, Business and Management Sciences has continued its efforts to revitalize its ageing profile. Over the past two years a real jump in membership has taken place, with many more members of younger age.

This should ensure a more dynamic section in the future. The activity rate of the Section is gradually but slowly rising. At the annual conference in Wroclaw (September 2013) a joint meeting with the Law Section was organized on European opportunities, which was well attended. At the same conference, also a joint meeting was organized with the Social Science Section.

Peter Nijkamp (Chair)

Mathematics

1) The section chair was handed over in September 2013 from Gisbert Wüstholtz (ETH Zürich) to Jürg Kramer (Humboldt-Universität zu Berlin)

2) In the past year the following new members have been elected to the Section "Mathematics":

Luigi Ambrosio (SNS Pisa)
Enrico Arbarello (U La Sapienza)
Jean-Pierre Demailly (U Grenoble I)
Heinz Engl (U Vienna)
Gerard Laumon (U Paris-Sud)
Janos Pintz (Hungarian Academy of Sciences)
Imre Ruzsa (Hungarian Academy of Sciences)
Peter Sarnak (IAS Princeton)
Stanislav Smirnov (U Geneva)
Vera Sos (Hungarian Academy of Sciences)
Alex James Wilkie (U Manchester)

Jürg Kramer (Chair)

History and Archaeology

"In 2013 the History and Archaeology Section" proposed ... colleagues as new members of the Academia Europaea, of whom .. were elected as such (you have the exact numbers). During the annual meeting of the Academia Europaea, members of the History and Archaeology Section contributed to several activities. Prof. Norman Davies gave a lecture on the history of Breslau/Wroclaw after receiving the Erasmus Medal. Pieter Emmer, chair, presided over a round table discussion regarding academic fraud. In addition, the Section participated in the Seminar on Early Print Culture, held during the Annual Meeting in Wroclaw, in which a sizeable number of postdoctoral students participated, mainly from Central and Eastern Europe.

The new Chair of the Section, Prof. Renate Pieper, was in attendance and one of the members of the Section, Prof. Jonathan Israel (Institute for Advanced Studies, Princeton) contributed to both the seminar and to the programme of the annual meeting. And last, but not least, the Section Committee was renewed and is now headed by Prof. Renate Pieper (Dept of History, University of Graz, Austria), 2016-2019 . Members are: 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)."

Pieter Emmer (past Chair)

Philosophy, Theology and Religious Studies

Academia Europaea: Philosophy, Theology and Religious Studies Section Report 2013

Seventeen nominations of new members were made and fourteen were agreed at the board meeting in Wroclaw, 16 September 2013. A special session on Polish Logic and Philosophy was organized by Professor Dagfinn Føllesdal at the Academia Europaea 25th anniversary conference in Wroclaw on 19 September 2013 (described elsewhere in this report).

Simo Knuutila

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.

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:

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

- o there is no relevant audit information of which the charitable company's auditor is unaware; and
- o 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.

Financial Report

The Trustees confirm that suitable accounting policies have been used and applied consistently and that reasonable and prudent judgments and estimates have been made in the preparation of the financial statements for the period 1 January 2013 - 31 December 2013. 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

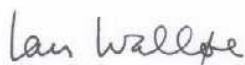
The total funds for the nine months ended 31 December 2013 was 84,621 Pounds [YE 31 December 2012, 77,890], out of which the restricted funds was 54,841 Pounds (31 December 2012,43,636] and the accumulated fund was 29,780 pounds [31 December 2012, 34,254]. It is the policy of the Trustees to maintain 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 2013

The year was one of slow progress towards stability. Although, overall finances are still precarious and reserves substantially below the recommended level. The Charity operates at an effective zero balance budget. Members' subscription income was slightly down on the forecast at (net) £122,060 and also marginally down on 2012. This

was probably due to a reduction in the number of new members elected in 2013 who had paid an inaugural subscription before the end of the year, plus a small reduction in existing members paying. It remains a stubborn problem that roughly only one third of members actually make a financial contribution. On the positive side 2013 saw a large number of successful bids to external sponsors for events and activities. Notably a significant sponsorship income to support the 25th anniversary conference in Wroclaw; a new three year grant from the Riksbankens Jubileumsfond to establish a series of senior summer schools in the Humanities (also operated out of Wroclaw) and the continuing sponsorship of HERCULES events in Higher Education by the Compagnia di San Paolo and 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 this will result in an annual contribution of 50K Euros from 2014 onwards, in addition to the 50K Euros from the Barcelona Hub sponsors and the 20K Euro cost offset facility provided by Wroclaw. It is expected that 2014 will show a continuation towards financial stability and with some return to towards achieving a reasonable reserve position.

Signed on 23 April 2014 by:



Lars Walløe President On behalf of the Trustees



Roger Elliott Honorary 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 or for a period) subject to approval by the AGM.

Members of the Board of Trustees (at 31 December 2013)

The President – Prof Lars Walloe (Oslo)

The Treasurer – Professor Roger Elliott (Cambridge)

The Vice President – Professor Sierd Cloetingh (Amsterdam)

The Vice President – Professor Anne Buttimer (Dublin)

Ole Petersen, (UK) (Chair of the Nominations committee); Theo D'Haen, (B) (Editor-in-chief – European Review); Cinzia Ferrini, ITA (retiring); Michel Che, F (retiring) (Chair of the Chemistry Section); Peter Emmer, NL (former Chair of the History Section) Retiring; Jerzy Langer, (PL) (co-opted); Andreu Mas-Colell (ESP) (Co-opted), Professor Hermann Maurer (co-opted).

Academia Europaea - Composition of the Advisory Council (at 31 December 2013)

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 (Board members) are *de facto* members of the Advisory Council.

	Sectn.	First appoint.	Reappoint	Retire	D.o.b
<u>President*</u> Lars Walløe, Oslo	C4	Sept. 2008	2011	2014	20/05/38
<u>Vice-President(s)*</u> Sierd Cloetingh, Amsterdam	B5	Sept. 2008	2011	2014	20/08/50
Anne Buttimer	A8	Sept 2012	2015		
<u>Treasurer*</u> Roger Elliott, Oxford	B3	Jan. 2010	2012	2015	
<u>Independent Council Members elected by AGM</u>					
Susan Bassnett, Warwick, UK	A4	Sept 2007	2010	2013	na
Cinzia Ferrini, Trieste, ITA*	A6	Sept 2007	2010	2013	30/06/56
Balazs Gyulas, Stockholm, SE	C3	Sept 2010	2013	2016	

* Members of the Board (of Management)

Plus all the Chairs of Sections (as follows)

Academia Europaea Section Committees Chairpersons and Committee Members¹

A1 History & Archaeology

Chairperson²: Renate Pieper (2016/2019) ⁴

Renate.pieper@uni-graz.at

Dept. History. Karl-Franzens University, Attemgasse 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

Herengracht 102G, 1015 BS Amsterdam, THE NETHERLANDS

Committee: Carmela Baffioni, Irene de Jong, I. Hijiya-Kirschner, Tonio Hölscher, Juha Janhunen, Barbara Kellner-Heinkele, 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 2014), Ferenc Kiefer (till AGM 2014), Maria Koptjevskaja –Tamm (first term ends AGM 2016), Greville Corbett (till AGM 2014), Wolfgang Dressler (till 2016)

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, Theo D'Haen (to 2016), César Dominguez, Ottmar Ette, Timothy Matthews (to 2016)

A5 Musicology & History of Art & Architecture

Chairperson: Philippe Vendrix (2016)

vendrix@univ-tours.fr

11, Rue de Parçay, 37100, Tours, FRANCE

Committee: Rudolf Flotzinger, David Hiley, Ulrich Konrad, Heinrich Schwab, Roger Stalley, Henri Vanhulst

A6 Philosophy, Theology & Religious Studies

Chairperson: Simo Knuutila (2015)

simo.knuutila@helsinki.fi

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

Committee: Tim Crane, Christophe Marksches, Onora O'Neill

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: Anne Buttimer (2015)

anne.buttimer@ucd.ie

University College Dublin, Dept. Geography, Belfield, Dublin 4, IRELAND

Committee: Antoine Bailly, Alesandro Cavalli, Yale Ferguson, Sture Oberg, Justin Stagl, Yola Verhasselt

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, Walter van Gerven

A10 Economics, Business and Management Sciences

Chairperson: Peter Nijkamp (2015)

p.nijkamp@vu.nl

Faculty of Economics, Dept. of Spatial Economics, Free University, De Boelelaan 1105, Amsterdam 1081 HV, THE NETHERLANDS

Committee: Gianmarco Ottaviano, Jeroen van den Bergh, Klaus Zimmermann

B1 Mathematics

Chairperson: Jürg Kramer (2016/2019):

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

Kramer@math.hu-berlin.de

Committee: Jean-Michel Bismuth [to Sept. 2016], Helmut Hofer [to Sept 2016], Nigel Hitchin [retires 2014], Philippe Michel [to 2016], Umberto Zannier [to Sept 2016]

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: Krzysztof Apt (first term end Dec 2013), 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 (2015/2018)

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

Committee: Jörg Aichelin, Vladimir Fortov, Anke Kaysser-Pyzalla, Jan Vaagen, Sept. 2013 - Sept. 2016 - Pavel Exner (Vice Chair), Tamás Csörgö, Sydney Galès, and Karlheinz Langanke

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)

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

B5 Earth and Cosmic Sciences

Chairperson: Donald Dingwell (2014)

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

Committee: Enric Banda, André Berger, Sierd Cloetingh, Paul Crutzen, Camiel de Loore, Jean Dercourt, Jean-Claude Duplessy, Kerstin Fredga

C1 Biochemistry and Molecular Biology

Chairperson: Witold Filipowicz (2016/2019):

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Friedrich Meischer Institute for Biomedical Research. Maulbeerestrasse 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 (2016/2019)

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

Committee: Alfonso Araque, Leszek Kaczmarek, Bernd Nilius, Marie Roncarolo, Robert Zorec, Alex Verkhratsky (from 2013) Vladimir Parpura (from 2014), Riita Salmelin (from 2014)

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, Gotthilf Hempel, Carlos Herrera, Lars Walloe

C5 Translational and Applied Biology

Chairperson: Diána Bánáti (2015/2018)

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Executive Director, ILSI Europe a.i.s.b.l, Avenue E. Mounier 83, Box 6, B-1200 Brussels, BELGIUM

Committee: Peter Raspor, Anne Gro Veia Salvanes, 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 2013

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)