

ANNUAL TRUSTEE (activity) REPORT

without individual Knowledge Hub Reports

FOR 2022



'The Academy of Europe'

Registered office

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Company limited by guarantee and registered at Companies House. Registration number 07028223
Registered with the Charity Commission, registration number 1133902

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Reports of the activity of the AE Knowledge Hubs for 2021 are available. They are large files and are available to download from www.ae-info.org or, on request from the individual Hub offices, or online at the following URLs;

Barcelona Hub at:	https://aebarcelona.eu/
Bergen Hub at:	https://aebergen.w.uib.no/annual-reports/
Budapest Hub:	https://www.ae-info.org/ae/Acad_Main/Budapest_Knowledge_Hub
Cardiff Hub at:	http://aecardiffknowledgehub.wales/about-us/documents/
Munich Hub	NA
Tbilisi Hub at:	https://www.aetbilisihub.org
Wroclaw Hub at:	

SECTION 1: Governance

THE TRUSTEES OF THE ACADEMIA EUROPAEA

Board of TRUSTEES (at 31 December 2022)

Elected Officers (3)

President:	Professor Marja Makarow	Helsinki, (to end 2024, renewable)
Vice President:	Professor Don Dingwell	Munich, (to end 2025, renewable)
Hon. Treasurer:	Professor Oskar Mencer	Dubai (to end of 2022)
Co-opted Members:	Professor Ole Petersen Professor Eva Kondorosi Professor Don Dingwell Professor Poul Holm Professor Bjorn Wittrock Professor Eystein Jansen Professor Paolo Papale Professor Milena Zic-Fuchs	Cardiff (till end 2023) Budapest, (until end 2026) Munich, (until end 2022) Dublin, (to end 2025) Uppsala, (until end 2024) Bergen, (until end of 2024) Rome (until end of 2027) Zagreb (appointed from 1 st January 2023 to 2027)

An election for a Vice President (*officio*) and an honorary treasurer was held at the AGM in October 2022. Professor Don Dingwell (Munich) was elected as VP and Professor Stephen Evans (Cambridge), was elected as honorary treasurer, effective from 1st January 2023 to end of 2025 (renewable).

The list of Section chairs, as at 31 December 2022, is at annex 2 of this report. Professor Dingwell continued as a co-opted trustee and as Academic Director of the Munich Hub until the AGM of 2022, thereafter was an elected Vice President.

Class chairs are members of the board of trustees. At the end of 2022 they were;

Class A1 – Humanities and Arts – Chair Professor Poul Holm (Trustee), VP ex o
Class A2 – Social and Related Sciences – Chair Professor Bjorn Wittrock (Trustee) VP ex o
Class B – Exact Sciences – Professor Paolo Papale (Trustee), VP ex o
Class C – Life Sciences – Professor Eva Kondorosi (Trustee) VP ex o

Note, that in our Articles of Association, the Council is described as an advisory body to the trustees. Since the creation of the Class system, the single Council now effectively operates through the Class configurations. The Classes and their component Sections each CONSTITUTE ONE PART OF THE ADVISORY COUNCIL. The Class chairs are thus the *de facto* representatives of the Sections on the Board of trustees. The trustees did consult electronically throughout the year with their sectoral ‘Council members’ on specific issues, in the Class configuration. Class committees (comprising the Chairs of the Section committees) have been assigned responsibility for the management of the nominations and selection process for new members and they will over-time become responsible for delivery of activity programmes, as envisaged by the Strategic Plan 2019 – 2024. In view of this re-orientation of responsibility and the fact that the Classes now fulfil the role of the former plenary Council, but in a more efficient way, the trustees will review the Regulations to better reflect the new working structure.

During 2022 there was no activity assigned to the wholly owned subsidiary company in Bergen Norway, operating under the Bergen Knowledge Hub. The CEO appointed by the Board, was Professor Eystein Jansen (the current Bergen Hub Academic Director) and the other Director is the AE Executive Secretary – Dr David Coates.

London General Secretariat

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

The Executive Secretary is the Company Secretary, with responsibility for day-to-day operations of the AE and the London office; oversight of the regional hubs and the Bergen AE company and provides secretariat support to the Board and other sub-committees.

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

Regional Knowledge Hubs (at the 31st December 2022)

Barcelona Hub (<https://aebarcelona.eu/>)

Academic Director: Professor Ricard Guerrero
Hub manager: Ms Kimberley Katte
Communications: Mr Rubén Duro

Bergen Hub (<https://aebergen.w.uib.no/>)

Academic Director: Professor Eystein Jansen (trustee)
Hub manager: Ms Kristen Bakken
Communications: Mr Nils Olav Sæverås

Budapest Hub <https://mta.hu/aebudapest>

Academic Director: Professor Laszlo Lovasz
Hub Manager: Dr Gergely Bohm
Hub Officer: Nóra Deák:
Hub Communications Officer: Katalin Borvölgyi,

Cardiff Hub (www.aecardiffknowledgehub.wales/)

Academic Director: Professor Ole Petersen (trustee).
Hub Manager: Ms Louise Edwards
Communications officer: Alice Sadler
Executive Officer: Ms Juliet Davies
Research Officer: Rafael Carrascosa Marzo

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

Munich Hub.

Academic Director: Professor Don Dingwell (trustee)
Hub manager: to be confirmed

Tbilisi Hub (<https://www.aetbilisihub.org/>)

Academic Director: Professor David Prangishvili
Hub Executive Director: Ms Sofia Kobakhidsze
Executive Officer: Ms Maia Matchavariani
Officer: Medea Abramishvili

Wroclaw Knowledge Hub ()

Academic Director: Professor Arkadius Wøjs
Hub manager: Ms Kasia Majkowska

Examiner of Accounts

Keith Vaudrey & Co Ltd.
Chartered Certified Accountants
51, Marloes Road
London W8 6LA

Principal Bankers

NatWest Bank Plc
250, Regent St.
London W1B 3BN

Solicitors

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

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

SECTION 2: The structure and mission of the Academia Europaea

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

The Company was also registered as a not-for-profit charity (registration number 1133902), see <https://register-of-charities.charitycommission.gov.uk/charity-search/-/charity-details/4048916>

From 1988 to incorporation in 2009, 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).

Governance and management

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

Members elect the officers of the Academia (President, Vice President(s) and Honorary Treasurer). Other trustees are co-opted directly by the Board. The AGM confirms these appointments in accordance with the regulations. The Vice Presidents (ex officio) are recommended by the President and appointed by the Board of Trustees for a period as defined in the Regulations.

Training and induction of new trustees

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

The mission of the Academia Europaea

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

The Academia will:

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

The Academia will endeavour to:

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

Charitable objectives:

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

SECTION 3: Trustees' report for the period ended 31 December 2022

The trustees would like to thank all of the organisations that have sustained the Academia through their generous general financial sponsorships in particular the authorities supporting the Academia Europaea Regional Knowledge Hubs and the German National Academy of Sciences (Leopoldina) - a Patron member of the Academia Europaea. The trustees also thank those other foundations and organisations that have contributed to the running of specific events and activities of the Academia during the period of this report. These organisations are identified in various places within this report and in the separate accounts and have been identified within 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 meeting of the trustees. The trustees wish to express their gratitude to the elected officers of the Academy for their additional work on behalf of the membership. In particular, to thank Ole Petersen, for his continuing service and for his representing the AE in external project boards and meetings, including in the Horizon Europe SAPEA and SAPEA plus project and Theo D'haen, who stepped down at the end of 2021 from his longstanding role as Editor-in-chief of our international journal – The European Review. The trustees were pleased to welcome a new Editor-in-Chief of the journal – Professor Alban Kellerbauer.

In 2022, the AE was able to return to a reasonable programme of real-time international events (conferences and workshops) and to maintain a programme of online activities (webinars and streamed events). Some of these are reported below and in more detail in the individual Hub annual reports. A number of COVID impacted activities were run in 2022. The Horizon 2020 funded SAPEA activity continued virtually (see later report). The European Review continued to be published and generated royalty income (see below).

As a result of the 2022 activity, the trustees can report that the annual accounts for 2022 show an unrestricted funds reserve carried forward to 2023 of £96,286

The trustees wish to record their thanks to the Technical University of Graz data centre staff for their dedicated I.T. and corporate web support and to Professor Balazs Gulyas for his management of the AE Erasmus Medal process. The Board would also like to thank Professor Gulyas for his work in establishing a new AE Class prize (for life sciences) – the Sydney Brenner Prize. The first prize will be awarded at the annual conference of 2023.

The trustees are pleased to report, that in 2022, our inter – organisational links were further strengthened with a number of European federation organisations (ALLEA, FEAM, EASAC and euroCASE). Cardiff and London worked on the AE participation in the European SAPEA (Plus) project. This work reached a successful conclusion the European Commission's approval of a new project, to be funded through the EU Horizon Europe framework and started in spring. Despite ongoing problems associated with BREXIT and the non-association of the UK to the EU Horizon programme, the AE will be a consortium member but will be funded through UK government sources (UKRI).

The President and other trustees engaged in a number of specific activities that responded to policy issues across Europe. A thematic transdisciplinary task force on Environmental sustainability has been established and its first substantive activity will take place in summer 2023. In addition, each of the seven Regional Knowledge Hubs. has its own distinct mission and identity that respond to local and regional priorities. The trustees recognise the immense support provided by the sponsors for these Hubs. None of the hubs receives core financing from the centre for their day-to-day operations. This model helps to increase local responsiveness.

The trustees are pleased to report a further widening of the membership of the Academia Europaea with the election in 2022 of 466 scholars across a four classes. The full 2022-election list is at annex 1. Member statistics can be found on the AE website at ae-info.org. There has been a gradual improvement in gender balance members and a reduction in regional disparity in terms of disciplines over the year. This is in line with the targets as described in the strategic plan. However, the trustees will further address these issues in 2023 with a review of membership election and assessment policy to better meet CoARA principles. The trustees also continued to support the further development of the Young Academy of Europe, in recognition of the AE mission to promote young researchers.

In recognition of the tragic situation that has unfolded in the Ukraine, the trustees have been pleased to allocate some funds to support bona fide academics who fled the Ukraine. Support was marshalled through three of our regional knowledge Hubs (Wroclaw, Budapest and Tbilisi). The AE provided funds to the Wroclaw Knowledge Hub who organised a local support grant scheme to enable refugee researchers to continue some of their work outside of the Ukraine. In addition, membership fees were waived for impacted scholars from the region.

The AE has a membership of individuals that are drawn from the whole continent of Europe and Foreign members from beyond Europe. The majority of AE members are resident and working outside of the UK and the majority of these are based in EU member states. The trustees have concluded, that following the completion of the BREXIT process, the risks to the continuation of the Academia as a UK registered and domiciled charity should be reviewed. One significant driver will be to secure continued AE eligibility to be a beneficiary in future EU funded research collaboration programmes. The situation will be kept under review and any necessary steps will be taken to ensure a continuation. This may include any necessary changes in legal jurisdiction, if needed.

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

Public benefit statement

Over the year the Academia and the Regional Knowledge Hubs, have published articles and papers in academic journals; organised a number of virtual and physical academic meetings across the continent that are open to members, young scholars and to the interested public in all areas of operation. The Academia has provided prizes and awards to support and recognise excellent researchers in pursuit of their scholarship. To enhance the accessibility of the European scholarly community to the public, the Academia has maintained and enhanced its web portal and those of the regional knowledge hubs and has contributed to the betterment of European Policy through participation in provision of expert, impartial advice to authorities and governmental organisations and has supported the Young Academy of Europe. A full description of all of the main activities is included elsewhere in this report.

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

Future Plans

In the coming year (2023), the trustees will try to continue to deliver the mission of the Academia through the running of appropriate workshops, publications and related activities. The trustees will explore new opportunities, including an AE activity for

environmental sustainability, the establishing of a pilot 'Academia Europaea College of Excellence' and to support the expansion of outreach through the network of regional Hubs. We will explore alternative models of financing and support for provision of communications infrastructure. The Young Academy of Europe will continue to be supported, specifically to provide a focus to engage with and support young researchers from across the UK and Europe. The AE engagement in European Science policy advice will be strengthened through taking a lead on topics within the Science Advice Policy project SAPEA PLUS. The trustees will endeavour to find additional core funding and sponsorship sources for linked activity. The trustees will especially focus on ensuring that its UK based membership and researchers more generally can continue to be effectively linked with their European colleagues. As the post Brexit period extends to reflect the growth in the AE, resources will be allocated to recruit/and/or outsource a communications officer (part-time). Other support will be secured on an ad hoc basis, to meet workload demands, including by buying time of Hub staff, or through temporary recruitment.

SECTION 4: Centrally co-ordinated activities during the period, 1 January 2022 – 31 December 2022

The 33rd annual Building Bridges conference of members 20-21 October 2022

The conference of the Academia Europaea took place at the PRBB (Biomedical Park) in Barcelona.

This was a physical event with streaming

Sessions included:

On October 25th a dedicated one-day meeting for Class C members - Life Sciences

On October 26th Class sessions for Humanities, Social Sciences, and the Exact Sciences classes.

**Erasmus Medal award and AE-Heinz-Nixdorf Erasmus Lecture
Young Academy of Europe Andre Mischke Prize
Gold Award of the AE to Sierd Cloetingh**

On October 26th - plenary session

Opening remarks

Marja Makarow, President of Academia Europaea

Ricard Guerrero, Director of the Barcelona Knowledge Hub

Moniek Tromp, Chair of the Young Academy of Europe

Debate sessions on hot topics in science policy

Rapporteur: Nisha Gaiind, Bureau Chief - Europe, Nature

Panel - Science policy for the future

- **Robert-Jan Smits** (Chair), Eindhoven University of Technology
The European perspective
- **Andreu Mas-Colell**, Barcelona Institute of Science and Technology
Interplay between regional and European policies
- **Moniek Tromp**, Young Academy of Europe and University of Groningen
Next-generation science policy

Panel - Towards an inclusive and representative academic landscape

The panel will focus on discussing systemic actions for improving demographic, geographic, and ethnographic diversity at research and educational institutions, and identify best practices for an inclusive and representative academic landscape across Europe.

Linn Leppert (Chair), Young Academy of Europe and University of Twente

Steven Curry, Imperial College London, Practical steps toward diversity and inclusion in academia

Yvonne Galligan, Dublin Institute of Technology, Shaping gender equality in academia

Katalin Solymosi, Young Academy of Europe and ELTE Eötvös Loránd University, Diversity and inclusion in EU13 countries

Panel - Asking more from research:

Scientific and scholarly research results are a public good to be benefitted by society

Marja Makarow (Chair), Academia Europaea and University of Helsinki

Shankar Balasubramanian, University of Cambridge, Fast track DNA sequencing for vaccine development and cancer therapy

Helga Nowotny, Former President of the European Research Council, Social innovations

Debate sessions on hot topics in science continued on 27th October

Panel - Environment and sustainability

Poul Holm (Chair), Trinity College Dublin, Chair of Class A1 - Humanities

Verena Winiwarter, Austrian Academy of Sciences, Environment and sustainability - Current Situation and Possible Future Directions of the Academia Europaea

Peter Wagner, ICREA (Catalan Institute for Research and Advanced Studies); University of Barcelona; University of Central Asia, Climate change and the politics of the Great Acceleration

Jane Hill, University of York, Environment and sustainability – involvement of Academia Europaea in research challenges and opportunities

Frontiers of science - what's around the corner?

Chair: **Carl-Henrik Heldin**, Nobel Foundation.

Laudation and presentation of the Erasmus Medal to Philippe Aghion

By **Andreu Mas-Colell**

Philippe Aghion, College de France, INSEAD, and London School of Economics

Academia Europaea Heinz Nixdorf Erasmus Lecture 2021, “The promise of the creative destruction paradigm”

Kirsten Drotner, University of Southern Denmark

Jean-Marie Tarascon, College de France, Smarter batteries via the help of sensing and self-healing functionalities

Laudation and presentation of the 2022 ‘André Mischke YAE Prize for Science and Policy’ by Gemma Modinos, Outgoing Chair of the Young Academy of Europe

Gergely Toldi, University of Auckland, New Zealand, Hungarian Young Academy and Academia Europaea Budapest Knowledge Hub. Young Academy of Europe Prize Lecture 2022

Early career academic clinicians at the intersection of medicine, research and policy - lessons learned from the COVID pandemic

Laudation and presentation of the Academia Europaea Gold Award to Sierd Cloetingh by Robert-Jan Smits
Sierd Cloetingh, Utrecht University, **Academia Europaea Gold Award Lecture 2022 - Bottom-up probing System Earth: a journey in deep time and space.**

The Academia Europaea Erasmus Medal



The 2021 Academia Europaea Erasmus Medal was awarded to the renowned international Economist Philippe AGHION, College de France/INSEAD

The 2022 Heinz-Nixdorf Erasmus Lecture was delivered and streamed to AE members during the Barcelona conference.

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



Erasmus Lecture title: “The Promise of the Creative Destruction Paradigm”

ABSTRACT:

The presentation will show how the Schumpeterian paradigm can help: (i) elucidate enigmas in economic history such as the growth take-off in the 19th century, the decline in productivity growth since the 2000s, the middle income trap, and the rise in inequality; (ii) question policy ideas such as taxing robots to prevent mass unemployment, or protectionism in response to the China import shock, or negative growth to fight global warming; (iii) rethink the future of capitalism to make it both innovative and inclusive.

Bio for Philippe Aghion

Philippe Aghion is a professor at leading institutions in business and economics, including the Collège de France, at the London School of Economics, and the INSEAD Business School, and he is also an invited professor at the Paris School of Economics. Previously, he was the Robert C. Waggoner Professor of Economics at Harvard University, Professor at University College London, Official Fellow at Nuffield College, Oxford, and Assistant Professor at Massachusetts Institute of Technology (MIT). He graduated from the École Normale Supérieure de Cachan (ENS Cachan, Mathematics Section), has a Diplôme d'études approfondies (DEA) in Mathematical Economics from University of Paris 1 Pantheon-Sorbonne, and a Ph.D. from Harvard University (1987).

AFFILIATION: College de France and INSEAD, Paris

LINK TO WEBPAGE: See: https://www.ae-info.org/ae/Member/Aghion_Philippe

Citation:

Throughout his professional life, Professor Philippe Aghion has been affiliated with top academic institutions in Europe and the United States in business and economics. His current appointments include the Collège de France, the London School of Economics, and the INSEAD Business School; he is also an Invited Professor at the Paris School of Economics. He was a Professor at Harvard University, the University College London, Official Fellow at Nuffield College, Oxford, and Assistant Professor at the Massachusetts Institute of Technology. Graduated from the École Normale Supérieure de Cachan, he has a Diplôme d'études approfondies in Mathematical Economics from University of Paris 1 Pantheon-Sorbonne, and a Ph.D. from Harvard University.

He is a truly global giant in his academic field with a strong European basis and worldwide recognition due to an enormous amount of publications in top scientific journals, through widely recognized books and many influential societal policy debates. As one of the world's leading theorists, in his publications he collaborates intensively with the best empirical researchers to deal with pressing challenges of high policy relevance to obtain the strong attention not only from the academic community but also among policymakers and in the wider public.

His major ground-breaking research relates to the economics of growth and contract theory, where he developed with Peter Howitt, Rachel Griffith and others the Schumpeterian Growth paradigm by reviving Schumpeter with sound theoretical considerations and by providing testable implications. Famous books with P. Howitt include Endogenous Growth Theory (MIT Press, 1998) and The Economics of Growth (MIT Press, 2009), and with Rachel Griffith Competition and Growth (MIT Press, 2006). His research is updated in The Power of Creative Destruction (Harvard University Press, 2021; together with Céline Antonin and Simon Bunel) where he discusses strategies to tame capitalism to ensure future innovations and wellbeing. Based on his outstanding reputation, Philippe Aghion has already received a number of awards including the Yrjo Jahnsson Award of the best European economist under age 45 (2001), the John Von Neumann Award (2009), and the BBVA "Frontier of Knowledge Award" (2020 with Peter Howitt).

The committee feel justifiably pleased to award the Academia Europaea Erasmus Medal to Professor Aghion, who continues to demonstrate the very best achievements in scholarship and excellence in his field.

Other Bios:

CV: https://scholar.harvard.edu/files/aghion/files/cv_aug2021.pdf

Publications: <https://scholar.harvard.edu/aghion/publications>

The Erasmus lecture is sponsored by the



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

Presentation of the Academia Europaea Gold Award to Professor Sierd Cloetingh. On 27 October, 2022 – Barcelona



Citation:

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

The Board of trustees of the Academia Europaea are pleased to be able to recognize the substantial and sustained contribution that Sierd Cloetingh has made to the life of



the Academia Europaea throughout his membership. We are pleased to recognize and to mark with this award, the significant impact he has had on the development of the wider European collaborative science and innovation landscape, through his positions in the ERC (as a Vice president), COST (as a President) and other European and international level representative bodies and organizations, including those relating to his fields of expertise. His wisdom and influence have made substantial contributions to the development of the ERC and to COST and have contributed positively to the overall landscape of collaborations across our continent. He can be said to have been a true pioneer for our development of the European Research Area concept. Following his election to the Academia Europaea in 1993, Sierd quickly established and then maintained a close and active engagement in all aspects of the Academy. He has, at various times, served as a Council member, as a Trustee, as a section chair (for Earth and Cosmic Sciences) and recently, as our President. He has been instrumental in the establishment of the Young Academy of Europe and has overseen the development of the AE network of Regional Knowledge Hubs. These centres are now playing an important part in promoting the widening of participation in European Sciences for scholars from the less favoured regions. Sierd has always promoted the visibility of the Academia, not least through his recent Presidency on the Board of the EU Horizon project 'SAPEA', where the AE has plays a significant role. The outstanding, selfless and continuous high-level of service that Sierd has given to the Academia Europaea over almost 30 years, is perhaps unequalled. The Gold award of our Academy is therefore a fitting mark of our recognition of this service.

Lecture title: "Science, Scientific Publishing and Scientific Advice for Policy: 50 years of personal experiences"

ABSTRACT: Integrated studies of the full Earth system across space and timescales are rapidly advancing, such as exemplified by the recent conception of the International Union of Geosciences' (IUGS) first big science program on Deep-time Digital Earth (Oberhaensli, 2020, J.Geol.Soc.India). Probably one of the important developments in Solid-Earth science over the past decade has been the recognition of the importance of linking deep Earth dynamic processes with surface and near-surface geologic processes (e.g., Cloetingh et al. 2007, GPC; Cloetingh et al., 2013, Gondwana Res.; Cloetingh et al., 2020, Encycl Solid Earth Geoph.). Deep Earth research, encompassing fields such as seismology and mantle geodynamics, has traditionally operated distinctly from fields focusing on dynamics near the Earth's surface, such as sedimentary geology, geomorphology, and climate/paleoclimate. However, as realized by the International Lithosphere Program (ILP), these endeavours have in common the study of Earth's topography and the prediction of its origin and rates of change. Observations from surface studies, such as basin stratigraphy, geomorphology of landscapes, changes in surface elevation, and changes in sea level (Cloetingh and Haq, 2015, Science), provide some of the principal constraints on geodynamic and tectonic models. Conversely, deep geodynamic processes give rise to topography, thereby modifying regional climate, erosion, and sediment generation that are the basis of surface geology. The lithosphere, due to its stratified rheological structure, acts as a non-linear "filter" for deeper sources, attenuating long deformation wavelength and creating new, shorter wavelength deformation; giving a surface response more complex than that of the mantle source (Cloetingh et al., 2021, GCubed; Koptev et al., 2021, GJI).

It is the surface manifestations of these deep geodynamic processes modified by mantle-lithosphere interactions that have significant societal impact by (1) creating natural hazards, such as earthquakes and mass movements, and (2) controlling the distribution of natural resources including fossil fuels and geothermal energy (Cloetingh et al., 2010, ESR; Limberger et al., 2018, Renew & Sust Energy Rev). The relevance of research conducted in both the deep Earth and surface regimes is thus strongly enhanced through a focus on their interaction. Research on enhanced geothermal systems has developed as a vigorous focus for networking European Earth science research institutions and provides a fine example of connecting basic research in coupled deep Earth and surface processes with societal relevance in the present era of energy transition to a more sustainable world.

TOPO-EUROPE integrates European research facilities (e.g. the European Plate Observing System EPOS) and know-how essential to advance the understanding of the role of topography in Earth System Dynamics. The principal objective of the network, initiated within the Earth and Cosmic Science section of Academia Europaea, is twofold. Namely, to integrate national research programs into a common European network and, furthermore, to integrate activities among TOPO-EUROPE institutes and participants. Key objectives are to provide an interdisciplinary forum to share knowledge and information in the field of the neo-tectonic and topographic evolution of Europe, to promote and encourage multidisciplinary research on a truly European scale, to increase mobility of scientists and to train young scientists.

The overview presented here demonstrates the opportunities for a further understanding of the full Earth system across space and timescales.

BIOGRAPHICAL NOTE:

Sierd Cloetingh is Utrecht University Distinguished Professor. His research field is Earth Sciences. He published 383 papers in international peer-reviewed journals (Scopus: 17,945 citations, h-index 74) and has been promotor of close to 80 PhD students of 18 different nationalities.

Currently he serves as Chair Regional Coordinating Committee Europe of the International Lithosphere Program. Past functions include President of the Academia Europaea, Member and Chair of the Board of SAPEA (Scientific Advice for Policy by European Academies), President of the Association for European Cooperation in Science & Technology (COST), Membership of the Scientific Council (2009-2015) and Vice-President of the European Research Council (ERC), President of the European Geophysical Society (1998-2000), President of the International Lithosphere Program (ILP, 2004-2017), Distinguished Professor of the Royal Netherlands Academy for Arts and Sciences (KNAW, 2006-2015), Editor-in-Chief of the international journal "Global and Planetary Change" and Chairman of the TOPO-EUROPE collaborative research program.

Sierd Cloetingh received honorary doctorates from five European universities and numerous medals and awards. He is member of the Royal Netherlands Academy of Sciences, the Royal Norwegian Academy, the Royal Danish Academy, the German National Academy for Technical Sciences (acatech), the Heidelberg Academy, the Bavarian Academy of Sciences and honorary member of the Hungarian Academy of Sciences. He was distinguished in 2005 as Chevalier de Legion d'Honneur and in 2014 as Knight of the Royal Order of the Netherlands Lion for his contributions to science and European scientific cooperation in research and education.

Robert-Jan Smits MAE (Hon.) will give the laudation.

He is the President of Eindhoven University of Technology and a former Director General of DG Research and Innovation of the European Commission.

2022 Class meetings

As a part of the annual conferences programme, the four Classes each held a virtual Class event to welcome the new members elected in 2021 (and 2022 – Class C only).

The four Classes each followed a similar format. This included A presentation and welcome to the AE by the President. Individual profile presentations by new members and a keynote lecture.

Keynote speakers were:

Classes A1 Humanities - John Tolan. Religious diversity and cultural transmission in Europe

A2 Social and Societal Sciences - Philippe Aghion Creative destruction and the quest for greener and more inclusive growth

Class B Exact Sciences – Ricardo Baeza-Yates. Responsible A.I: Challenges and recommendations

Class C Life Sciences – October 25th session. Speakers representing new members of 2021/22 included:

C4: Jaume Bertranpetit. The information hidden in the human genome: from the history of populations to adaptation and disease

C2: Manuel Serrano. Cellular senescence and reprogramming provide new insights into the process of ageing

C1: Iva Tolić. Mechanobiology of mitosis

C5: Rebecca Fitzgerald, From population to personalised prevention of cancer: lessons from the oesophagus

Dirk Inza; Gene editing for crop improvement: the quest for a science based policymaking (video)

Jozsef Haller. Abnormal aggression models and the neurobiology of violence

Ray Dixon. The nitrogen crisis in agriculture and potential solutions using biological nitrogen fixation

Andras Baldi, from local ecosystem to food security

Peter Hegyi. Data analysis in healthcare and artificial intelligence in medicine

The Board of trustees wish to thank the staff of the Bergen Hub, the Cardiff Hub and the Wroclaw Hub for assistance in preparing the new member slides.

Reports from the Class Chairs

Class A1 – Humanities – Chair Professor Poul Holm (Dublin)

Class A2 – Social and Societal Sciences – Chair Professor Bjorn Wittrock (Uppsala)

In 2022, the reorganisation of the structure of sections of Class A 2 was finalised. Already in 2021, the Class had a record number of nominations of candidates for membership. In 2022, the Class received an even larger number of nominations. In various ways, members of the Class contributed to the Academy as a whole. One example of this was the Task force for environment, climate and sustainability that been established the previous year at the proposal of the Chairs of Classes A 1 and A 2. In 2022, the Chair of section A 12 (Peter Wagner, Social Change and Social Thought) played a key role in reviewing activities in the Academy at large of relevance to the focus of the Task force. The Chairs of sections 10 (Maria Paradiso, The Human Mind and its Complexities) and 11 (Nina Dethloff, Law) served as a member of the Governing Board of the International Science Council and as Deputy Chair of the Scientific Commission of the German Science and Humanities Council (WR) respectively, while another member of the Law section committee, Nili Cohen, Past President of the Israel Academy of Sciences and Humanities, served on the Award committee of the President of Israel. The Chair of the Class was a member of the planning committee for the AE Annual Conference. He was also an advisor to the committee that prepared a reorganisation of the AE Barcelona Knowledge Hub. Outside of the Academy, he served as Chair of the Jury for the Social Sciences and Humanities of the Fallings Walls Awards.

Class B – Exact Sciences – Chair Professor Paolo Papale (Rome)

Class C – Life Sciences - Chair Professor Eva Kondorosi (Budapest)

SECTION 5: Academia Europaea outreach.

The Academia Europaea Regional Knowledge Hubs

Each Hub operates as an independent entity with local hosts and sponsors. Each Hub organises and delivers their own programmes of activity and assists the London HQ, where needed. The Hubs each have a complimentary thematic mission that provides a wide-range of activities delivering a wider public benefit that is in line with our charitable objectives. These activities are described in the individual Hub reports (see annexes).

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

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



SAPEA: Science Advice for Policy by European Academies

- Spanning the disciplines of engineering, humanities, medicine, natural sciences and social sciences, **SAPEA** brings together the outstanding knowledge and expertise of Fellows from over 100 Academies, Young Academies and Learned Societies in more than 40 countries across Europe
- SAPEA is part of the [European Scientific Advice Mechanism \(SAM\)](#) which provides independent, interdisciplinary and evidence-based scientific advice on policy issues to the European Commission, working closely with the [SAM High Level Group of Scientific Advisors](#)
- The project is funded through a grant from the EU’s Horizon 2020 programme. It runs from November 2016- to the end of April 2022.



= country with at least one Academy

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

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

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

AE engagement in SAPEA Plus and providing expertise to public institutions and administrations at European Level

The Horizon2020 funded project contract with the European Commission started at the end of 2016 and has been extended to 2022.

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

In 2022, the Cardiff Hub team managed the Academia Europaea activity within the SAPEA consortium project and is the AE lead in the successor SAPEA Plus project. AE Cardiff has undertaken literature reviews on behalf of the consortium and on behalf of the European Commission.

Full information for the project and its outputs, can be found via the official SAPEA website (<https://www.sapea.info/>) and through both the ae-info website [http://www.ae-info.org/ae/Acad_Main/Activities/SAPEA] and the Cardiff Hub website [<http://aecardiffknowledgehub.wales/>]

Our intention throughout the SAPEA project is to work with and through the regional knowledge Hubs and with the Young Academy of Europe to ensure maximum opportunity for involvement of our members. We will also establish an outreach forum of other pan-European organisations to improve linkages and engagement of non-core partner expertise and seek to engage (through our Cardiff Hub) scholars (members and non-members) as experts from the UK and Ireland.

- **European Science Advisory Council (EASAC).**

Formed by a number of European Academies and supported by the Academia Europaea provides EU institutions and other pan-national bodies with fully independent advice on the scientific aspects of public policy.

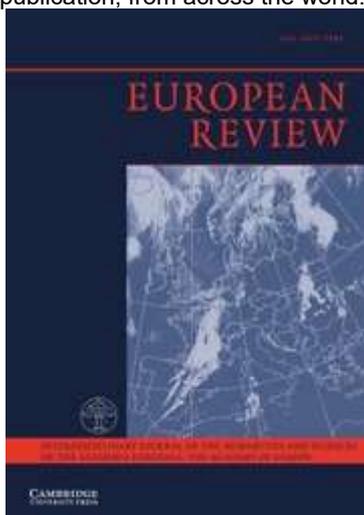
The Academia was a founding member of this Council and collaborates with our sister Academies in making available our members' expertise where needed, for the many study groups that are established. The Academia provides a financial contribution to the running of the secretariat of EASAC. The Academia covers the costs of participation of the AE Council member and AE experts participating in specific study panels [<http://www.easac.eu/>]. The AE supports a number of members, who provide their individual expertise to EASAC studies and/or are engaged in the standing committees of EASAC. Professor Don Dingwell (trustee and VP ex o) is the AE delegate to the EASAC governing Council. The list of publications and reports can be found via the website above.



AE Publications

The Academia Europaea in conjunction with Cambridge University Press publishes an international peer reviewed journal.

The European Review 2022 (volume 30). The Editor-in-chief – Professor Alban Kellerbauer (Nuclear Physics, Joint Research Centre, Karlsruhe, Germany). The journal has seen a significant increase in uncommissioned papers submitted for review and publication, from across the world.



In 2022, the European Review (ERW) volume 30 had six issues. AE members had free access to the online version of the journal and to the archive. The Editor-in-chief renewed the editorial Board to include members of the Young Academy of Europe.

An open access supplement was published on Iconoclasm: [European Review, Volume 30, Supplement S1, November 2022, pp. f1 - f3](#)
DOI: <https://doi.org/10.1017/S1062798722000473>

ERW at Cambridge Core: <https://www.cambridge.org/core/journals/european-review>

Biology Direct: a publication (now affiliated with the AE) at the initiative of Professor Alex Verkhatsky (Chair of Class C – Life Sciences). Published by Springer Nature - <https://biologydirect.biomedcentral.com/>

AE 'in-house' Publications.

In addition to regular e-newsletters produced by the centre and all of the Regional Knowledge Hubs, The AE published a number of statements on policy issues and issues relating to the status of members in a number of European countries. These are archived on our website (www.ae-info.org).

No annual member directory was issued in 2022.

The AE maintained its corporate website and all Regional Knowledge Hubs maintain their own websites that reflect their own, independent programmes of activity.

SECTION 6: Events provided with AE sponsorship through the Hubert Curien Fund, or with AE patronage in 2022, or externally sponsored

Eighteen Europe-wide events were supported during the year. See: https://www.ae-info.org/ae/Acad_Main/Past_Events/2011-present Highlighted are:

- 21-23 October a colloquium on the life and work of a Romanian scholar and writer, Ioan Petru Culianu (1950-1991)
- ESOF2022 session: The Chair: Fact or Fiction? Addressing the challenges faced by women leaders in academia (Cardiff Hub webinar)
- International Year of Basic Sciences for Sustainable Development (AE is a signatory)
- Coalition on Reforming Research Assessment (AE is a signatory)

The 2022 Curien Fund supported the following member initiated proposals.

The Regional Knowledge Hubs organised a number of online events and webinars under the AE banner throughout 2021. These are reported as appropriate in each individual Hub annual report.

The AE HERCuLES group (Higher Education, Research and Culture in European Societies) chaired by Professor Lars Engwall (Uppsala), held a COVID postponed symposium on “**The Internationalization of Higher Education Institutions**”, May 4-6, 2022, At Uppsala University. Åke Wiberg Foundation and the Department of Education, Uppsala University sponsored the event. The Board of trustees wish to express their thanks to Professor Engwall and the sponsors for managing this event through the complexities of the COVID period.

SECTION 7: Corporate, Hubs and membership

2022 New members elected

On June 8th, the trustees approved the recommendation of the Classes and elected new members as follows: Class A1 (Humanities) – 91 new members; Class A2 (Social and societal sciences) – 70 new members; Class B (Natural Sciences) – 111 new members and Class C (Life Sciences) – 198 new members. A full list of 2022 new members, allocated by Class and Section is at Annex 1.

The Class chairs responsible for oversight of the nominations process in 2022 were:

Class A1 – Humanities and Arts – Sections A1-A6 [Chair Professor Poul Holm (Trustee)]
Class A2 – Social and related sciences – Sections A7 – A10 [Chair Prof Bjorn Wittrock (Trustee)]
Class B – Exact and Natural Sciences – Sections B1 –B5 [Professor Paolo Papale (Trustee)]
Class C – Life Sciences – Sections C1 – C5 [Professor Eva Kondorosi (Trustee)]

Communications

The Hubs and HQ issued regular electronic newsletters throughout the year. A letter from the President was issued to all members on a quarterly basis. The Graz Data centre maintained the ae-info.org website and both Graz and Wroclaw ensured that member data was updated, including for the new members elected in 2022. All new members were notified of the AE GDPR policy and members were asked to opt-in to that policy at the time of their election.

Governance meetings held in 2022

The Trustees, Council and their subcommittees

The Board of Trustees met to transact business virtually on five occasions throughout the year and in a physical Board meeting on 25th October. The October meeting was a joint meeting with the members of the AE Independent Advisory Group. All meetings were quorate. Minutes were filed.

A physical/virtual hybrid AGM took place on 27th October in Barcelona.

Individual (virtual) Class meetings (of Section chairs) took place to decide on recommendations for election of new members.

34th Annual Business Meeting 2022 (AGM) – Barcelona 27th October held at 09:00am – 11:00am (CET)

This was a hybrid meeting. The President Marja Makarow chaired the AGM. There were forty-eight physical delegates and forty-six virtual delegates present

A number of electronic member-wide ballots had taken place in advance of the AGM (4 – 8 October). The results were reported to all members at the AGM.

Motion to adopt the examined accounts for the year ending 31 December 2021 - adopted
Motion to adopt the trustees (activity report) for the year ending 31 December 2021 - adopted
Motion to re-appoint the auditors (examiners) - approved
Motion to set the level of membership fees for the year 2023 - approved

Large majorities had approved all motions.

At the AGM, the President welcomed all participants she thanked the local organisers (Professor Ricard Guerrero) then reported on activities carried out in the previous year and some of the highlights of 2021. The members present adopted the draft agenda. The President then reported on the results of the online ballots that had been taken before the AGM. The Minutes of the AGM of 2021 were approved and the Chair signed the note. Special thanks were recorded for Professor Lars Engwall who had chaired the AE HERCuLES group and thanks were recorded to sponsors – the Wenner Gren Foundations (Sweden) and the Heinz-Nixdorf Foundation (for the Erasmus prize). The President reported on the successful transition of the AE policy advice activity from SAPEA to SAPEA Plus, managed by the Cardiff Hub.

The Honorary Treasurer (Dr Oskar Mencer) summarised the financial position as set out in the accounts for 2021 and additionally gave indications of the current year. He reported that the financial position of the AE was stable and had in fact continued to benefit to a limited extent (financially) from the lockdowns and slow recovery caused by the COVID-19 Pandemic of normal activities. He highlighted the reliance of the AE on member donations for all areas of activity and reminded members that annual contributions were a vital part of their acceptance as members. He pointed out that there were still a significant number who did not contribute at all. He also raised the issue of the very small base of external financial support from non-member organisations.

Elections of Officers and appointments of trustees

Vice President

A note of thanks was recorded for the service of Professor Genoveva Marti (Barcelona), who had stepped down as Vice President (officio). A call for nominations for candidates for the vacant position of VP had been published to all members. Only the Board had proposed a single candidate. In line with the statutes, members present and voting carried out a ballot. Professor Don Dingwell (Munich) was duly elected as Vice President with a term of three years (in the first instance) from January 2023.

Honorary Treasurer

A call for nominations for the position of Treasurer had been published to all members from 1st July – 31st August 2022. By the closing date, there had been only one nomination. In line with statutes, a ballot by those members present and voting was held. Professor Stephen Evans (Cambridge, UK) was duly elected to serve as treasurer from 1st January 2023 for an initial period of three years.

Appointments and co-options to the Board of trustees

A. A document had been tabled that set out the terms of service for those trustees that had been co-opted. Members present approved a proposal to renew the co-option for a fixed term for the following trustees:

- Professor Poul HOLM (Dublin) – Class chair (A1) Humanities – to 31st December 2025
- Professor Bjorn WITTROCK (Uppsala) – Class chair (A2) – Social and Societal Sciences – to 31st December 2024
- Professor Paolo PAPALE (Rome) – Class chair (B) – Exact Sciences – to 31st December 2027
- Professor Eva KONDOROSI (Budapest) – Class chair (C) - Life Sciences – to 31st December 2026

B. Members present also approved a proposal to continue the co-option of the following trustees on a renewable basis. As follows:

Professor Ole PETERSEN (Academic Director of the Cardiff Knowledge Hub) – to 31st December 2023
Professor Eystein JANSEN (Academic Director of the Bergen Knowledge Hub) – to 31st December 2024
Professor Milena ZIC-FUCHS – to 31st December 2025

Other reports

Professor Petersen (Academic Director of the Cardiff Hub), reported on AE involvement in the SAPEA and SAPEA Plus projects. Former President Lars Walløe intervened to report on the current position of the EASAC organisation (of which AE is a subscribing member). There were no other questions from the floor.

There followed a series of presentations by Hub managers as follows:
Barcelona Hub – Ricard Guerrero (retiring Academic Director)
Bergen Hub – Ms Kristen Baaken – Hub manager
Cardiff Hub – Ole Petersen (Academic Director)

Tbilisi Hub – Sofia Kobakhidze – Manager
Wroclaw Hub – Kasia Majkowska – Manager
Budapest Hub –represented by member Andras Báldi.

Professor Alban Kellerbauer, the Editor-in-Chief of the journal – The European Review, gave a synopsis of the 2022 volume.

Finally, the President gave a summary of the first meeting of the AE Independent Advisory group's meeting with the Board of Trustees.

She recorded thanks to Ricard Guerrero who had managed the Barcelona Hub over the past eight years and had been the organiser of four annual conferences. The President then gave the floor to the new incoming Hub Director, Professor Jaume Bertranpetit.

There were no questions from the floor or interventions and the 2022 AGM was declared closed at 10:55am

SECTION 8: Statement of Trustees' Responsibilities

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

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

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

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

In so far as the Trustees are aware:

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

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

Risk assessment

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

Financial Report

The trustees confirm that suitable accounting policies have been used and applied consistently and that reasonable and prudent judgements and estimates have been made in the preparation of the financial statements for the year 1 January 2022 - 31 December 2022. 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 Pounds Sterling. A version expressed in Euros could be prepared by converting the figures at the exchange rate for a particular date, but this would not be accurate since transactions are spread across the financial year, during which a range of exchange rates have existed. Any significant foreign exchange impacts are described in the notes to the accounts. The full accounts have been published separately to this activity report.

Reserves policy

The total funds for the year ended 31 December 2022 was £387,731 [YE 31 December 2021, £393,771]. It is the policy of the trustees to maintain sufficient reserves for the Academia Europaea to continue its charitable activities and in view of this, the trustees aim to achieve reserves equal to approximately six months of operations. A review of reserves policy is undertaken every year.

Income and expenditure for the period ended 31 December 2022 (summary overview)

The year was one of a cautious, continuing relaxation in expenditures as impacts of COVID loosened further and more physical events became possible. The COVID-19 pandemic did continue to have an ongoing impact on the financial position of the AE. Our total income for the year was £316,117. Total expenditure was £343,891. The balance of funds brought forward to 2022 from 2021 were £393,771. Repayments of the £50,000 government COVID-19 loan to support future growth post-COVID commenced in spring 2022.

The AE as a charity seeks to operate an effective zero balance budget. We are essentially dependent upon members' donation income. In 2022, this was at £242,894 (net) and life membership payments totalled £42,939. This represented a positive increase over previous years and a demonstration that members maintain an interest in the life of the academy. The Trustees stress to all members the importance of supporting the Academia by making a donation every year, preferably at the recommended level. Without more members making a payment, the AE will not be able to grow the range and type of activity and support for member initiatives that we need to deliver our obligations as a charity. Whilst a voluntary scheme remains our policy, the Trustees reviewed this policy and decided to levy a recommended general fee rate, linked to an age-related banding for annual donations, per member. Sponsorship continued to be successful for individual activity, and we thank the Wenner Gren Foundations (Sweden), The Heinz-Nixdorf Foundation (Germany), and The Balzan Foundation (Switzerland) for their support and the support of other sponsors, and our Patron member The German Academy of Sciences (Leopoldina). The Board continued to recognise the ongoing difficulty in obtaining core financial support from public and private institutions and expect that the Finance and Sponsorship sub-committee will try to address this.

The examiner's accounts for 2022 are filed separately and can be viewed through the Academia Europaea website, the UK government Companies House and the Charities Commission of England and Wales websites respectively.



Marja Makarow, President
On behalf of the Board of Trustees

July 2023

Annex 1: Members elected in 2022 and who received an invitation to accept membership

Class A1 – Humanities – Chair: Professor Poul Holm (Dublin))

Recommendations from the NOMINATIONS
ACADEMIA EUROPAEA 2022
ORDINARY AND FOREIGN PROPOSALS
Class A1

CLASS	Sect.		Full name	Country	Membership type	
CLASS A1 all nominations: 97	A1		<u>History & Archaeology (19)</u>	c. Nikita Harwich-Vallenilla		
	A1	1	Crespo-Solana Ana María	Spain	ORDINARY	
	A1	2	Dakhliya Jocelyne Naïma	France	ORDINARY	
	A1	3	Deák Ágnes	Hungary	ORDINARY	
	A1	4	Gerritsen Anne	United Kingdom	ORDINARY	
	A1	5	Harlaftis Gelina	Greece	ORDINARY	
	A1	6	Heikkilä Tuomas	Finland	ORDINARY	
	A1	7	Häberlein Mark	Germany	ORDINARY	
	A1	8	Iordachi Constantin	Austria	ORDINARY	
	A1	9	Larsson Lovén Lena	Sweden	ORDINARY	
	A1	10	Lehner Ulrich	United States	FOREIGN	
	A1	11	Liechtenhan Francine-Dominique	France	ORDINARY	
	A1	12	Lieu Samuel	United Kingdom	ORDINARY	
	A1	13	Marciniak Arkadiusz	Poland	ORDINARY	
	A1	14	Mishkova Diana	Bulgaria	ORDINARY	
	A1	15	Raja Rubina	Denmark	ORDINARY	
	A1	16	REY Marie-Pierre	France	ORDINARY	
	A1	17	Roesdahl Else	Denmark	ORDINARY	
	A1	18	Wodzinski Marcin	Poland	ORDINARY	
	A1	19	Zariņa Gunita	Latvia	ORDINARY	
	A2			<u>Classics & Oriental Studies (8)</u>	c. Gerd Haverling	
	A2	1	Bessone Federica	Italy	ORDINARY	
	A2	2	Citti Francesco	Italy	ORDINARY	
	A2	3	Drews Friedemann	Germany	ORDINARY	
	A2	4	Fantuzzi Marco	United Kingdom	ORDINARY	
	A2	5	Hammerstaedt Jürgen	Germany	ORDINARY	
	A2	6	Maiuro Marco	Italy	ORDINARY	
	A2	7	Montanari Franco	Italy	ORDINARY	
	A3			<u>Linguistic Studies (19)</u>	c. Pier Marco Bertinetto	
	A3	1	Adamou Evangelia	France	ORDINARY	
	A3	2	Beck Sigrid	Germany	ORDINARY	
	A3	3	Chen Yiya	The Netherlands	ORDINARY	
	A3	4	Ernestus Mirjam	The Netherlands	ORDINARY	
	A3	5	Escandell-Vidal Victoria	Spain	ORDINARY	
	A3	6	Holmberg Anders	United Kingdom	ORDINARY	
	A3	7	Hurch Bernhard	Austria	ORDINARY	
	A3	8	Kümmel Martin	Germany	ORDINARY	
	A3	9	Longobardi Giuseppe	United Kingdom	ORDINARY	
	A3	10	Malchukov Andrej	Germany	ORDINARY	
	A3	11	Matasović Ranko	Croatia	ORDINARY	
	A3	12	McNally Louise	Spain	ORDINARY	

A3	13	Moreno-Fernández Francisco	Germany	ORDINARY
A3	14	Nevalainen Terttu	Finland	ORDINARY
A3	15	Ní Chasaide Ailbhe	Ireland	ORDINARY
A3	16	Palancar Enrique	France	ORDINARY
A3	17	Romero Maribel	Germany	ORDINARY
A3	18	Savoia Leonardo Maria	Italy	ORDINARY
A3	19	Surányi Balázs	Hungary	ORDINARY
A4		Literary & Theatrical Studies (18)	c. Vladimir Biti	
A4	1	Akkerman Nadine	The Netherlands	ORDINARY
A4	2	Brant Clare	United Kingdom	ORDINARY
A4	4	Deitz Luc	Luxembourg	ORDINARY
A4	5	Eaglestone Robert	United Kingdom	ORDINARY
A4	6	Grutman Rainier	Canada	FOREIGN
A4	7	Gyssels Kathleen	Belgium	ORDINARY
A4	8	James Alison	United States	FOREIGN
A4	9	Kołodziejczyk Dorota	Poland	ORDINARY
A4	10	Kukkonen Karin	Norway	ORDINARY
A4	11	Lunde Ingunn	Norway	ORDINARY
A4	12	Mai Anne-Marie	Denmark	ORDINARY
A4	13	Marx William	France	ORDINARY
A4	14	Mussnug Florian	United Kingdom	ORDINARY
A4	15	Pardes Ilana	Israel	ORDINARY
A4	16	Parr Rolf	Germany	ORDINARY
A4	17	Roessner Michael	Austria	ORDINARY
A4	18	Walker Greg	United Kingdom	ORDINARY
A5		Musicology and Art History (14)	c. Laurenz Lutteken	
A5	1	Bianconi Lorenzo	Italy	ORDINARY
A5	2	Koering Jérémie	Switzerland	ORDINARY
A5	3	Kreuzer Gundula	United States	FOREIGN
A5	4	Kyyanovska Lyubov	Ukraine	ORDINARY
A5	5	Lacombe Hervé	France	ORDINARY
A5	6	Lockwood Lewis	United States	FOREIGN
A5	7	Maffei Sonia	Italy	ORDINARY
A5	8	McVeigh Simon	United Kingdom	ORDINARY
A5	9	Meyer Michael	Germany	ORDINARY
A5	10	Pettan Svanibor Hubert	Slovenia	ORDINARY
A5	11	Pleșu Andrei	Romania	ORDINARY
A5	12	Reynolds Christopher	United States	FOREIGN
A5	13	Sandberger Wolfgang	Germany	ORDINARY
A5	14	Skhirtladze Zaza	Georgia	ORDINARY
A6		Philosophy, Theology & Religious Studies (7)	c. Genoveva Marti	
A6	1	Antognazza Maria Rosa	United Kingdom	ORDINARY
A6	3	Baghramian Maria	Ireland	ORDINARY
A6	4	French Steven	United Kingdom	ORDINARY
A6	5	Hemmo Meir	Israel	ORDINARY
A6	6	Mantzavinos Chrysostomos	Greece	ORDINARY
A7		Film, Media and Visual Studies (12)	c. Göran Bolin	
A7	2	Brügger Niels	Denmark	ORDINARY
A7	3	Cammaerts Bart	United Kingdom	ORDINARY
A7	4	Christensen Hans Dam	Denmark	ORDINARY
A7	5	Downey John	United Kingdom	ORDINARY

A7	6	Igartua Juan-José	Spain	ORDINARY
A7	7	Lecheler Sophie	Austria	ORDINARY
A7	8	Peters John Durham	United States	FOREIGN
A7	9	Pierson Jo	Belgium	ORDINARY
A7	11	Schafer Valérie	Luxembourg	ORDINARY
A7	12	Staksrud Elisabeth	Norway	ORDINARY

91 members elected

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

Recommendations from the NOMINATIONS
ACADEMIA EUROPAEA 2022
ORDINARY AND FOREIGN PROPOSALS
Class A2: Social and Related Sciences

CLASS	Sect.		Full name	Country	Membership type	
CLASS A2 all nominations: 83	A8		<u>Economics, Business and Management Sciences (15)</u>	c. Martin Kahanec		
	A8	1	Beck Thorsten	Italy	Ordinary	
	A8	2	Besley Timothy	United Kingdom	Ordinary	
	A8	3	Dolado Juan	Spain	Ordinary	
	A8	4	Fürnkranz-Prskawetz Alexia	Austria	Ordinary	
	A8	5	Gathmann Christina	Luxembourg	Ordinary	
	A8	6	Gorodnichenko Yuriy	United States	Foreign	
	A8	7	Hanousek Jan	Czech Republic	Ordinary	
	A8	8	Koundouri Phoebe	Greece	Ordinary	
	A8	9	Krusell Per	Sweden	Ordinary	
	A8	10	Lin Chen	China	Foreign	
	A8	11	Peydró Alcalde José Luis	Spain	Ordinary	
	A8	12	Speckbacher Gerhard	Austria	Ordinary	
	A8	13	Szeidl Adam	Austria	Ordinary	
	A8	14	Van Reenen John	United Kingdom	Ordinary	
	A8	15	Weron Rafał	Poland	Ordinary	
	A9			<u>Governance, Institutions And Policies: Education, Health And Welfare (15)</u>	c. Peter Scott	
	A9	1	English Richard	United Kingdom	Ordinary	
	A9	2	Falter Juergen	Germany	Ordinary	
	A9	3	Fuller Alison	United Kingdom	Ordinary	
	A9	4	Grubler (Grübler) Arnulf	Austria	Ordinary	
	A9	6	Jones Erik	Italy	Ordinary	
	A9	7	Kangas Olli (Olavi)	Finland	Ordinary	
	A9	8	Kehm Barbara	Germany	Ordinary	
	A9	9	Matei Liviu	United Kingdom	Ordinary	
	A9	10	Moscato Roberto	Italy	Ordinary	

A9	11	Paradeise Catherine	France	Ordinary
A9	12	Reiss Michael	United Kingdom	Ordinary
A9	13	Sporn Barbara	Austria	Ordinary
A9	14	Vignoles Anna	United Kingdom	Ordinary
A9	15	Woll Cornelia	Germany	Ordinary
A10		<u>Human Mobility, Governance, Environment and Space (15)</u>	c. Maria Paradiso	
A10	1	Binder Binder	Switzerland	Ordinary
A10	2	Creutzig Felix	Germany	Ordinary
A10	3	Lees Loretta	United Kingdom	Ordinary
A11		<u>Law (11)</u>	c. Nina Dethloff	
A11	1	Biernat Stanisław	Poland	Ordinary
A11	2	Graver Hans Petter	Norway	Ordinary
A11	3	Grzeszczak Robert	Poland	Ordinary
A11	4	Jany János	Hungary	Ordinary
A11	5	Jonsson Cornell Anna	Sweden	Ordinary
A11	6	Khazova Olga	Russia	Ordinary
A11	7	Madsen Mikael Rask	Denmark	Ordinary
A11	8	Nußberger Angelika	Germany	Ordinary
A11	9	Parmentier Stephan	Belgium	Ordinary
A11	10	Pihlajamäki Heikki	Finland	Ordinary
A11	11	Sand Inger-Johanne	Norway	Ordinary
A12		<u>Social Change and Social Thought (8)</u>	c. Peter Wagner	
A12	1	Auer Marietta	Germany	Ordinary
A12	2	Bartolini Stefano	Italy	Ordinary
A12	3	Cervinkova Hana	Ireland	Ordinary
A12	4	Diez Medrano Juan	Spain	Ordinary
A12	5	Harvey Penelope	United Kingdom	Ordinary
A12	6	O'Brien Karen	Norway	Ordinary
A12	7	Schlumbohm Jürgen	Germany	Ordinary
A12	8	Schularick Moritz	Germany	Ordinary
A13		<u>The Human Mind And Its Complexity (19)</u>	c. Jüri Allik	
A13	1	Bang Petersen Michael	Denmark	Ordinary
A13	2	Bendixen Alexandra	Germany	Ordinary
A13	3	Camí Jordi	Spain	Ordinary
A13	4	Carpintero Heliodoro	Spain	Ordinary
A13	5	Czigler István	Hungary	Ordinary
A13	6	David Daniel-Ovidiu	Romania	Ordinary
A13	7	de Weerth Carolina	The Netherlands	Ordinary
A13	8	Demetrovics Zsolt	Hungary	Ordinary
A13	9	Fernandez-Ballesteros Rocío	Spain	Ordinary
A13	10	Jacobsen Thomas	Germany	Ordinary
A13	11	Lewicka Maria	Poland	Ordinary
A13	12	Nyberg Lars	Sweden	Ordinary

A13	13	Olsson Mats	Sweden	Ordinary
A13	14	Realo Anu	United Kingdom	Ordinary
A13	15	Salmela-Aro Katariina	Finland	Ordinary
A13	16	Scabini Eugenia	Italy	Ordinary
A13	17	Szucs Denes	United Kingdom	Ordinary
A13	18	Tendolkar Indira	The Netherlands	Ordinary
A13	19	Vallar Giuseppe	Italy	Ordinary

70 members elected

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

Recommendations from the NOMINATIONS
ACADEMIA EUROPAEA 2022
ORDINARY AND FOREIGN PROPOSALS
Class B Exact Sciences

CLASS	Sect.		Full name (Surname first)	Country	Membership type
CLASS B all nominations: 210	B1		<u>Mathematics (15)</u>	c. Philippe Michel	
	B1	1	Browning Tim	Austria	Ordinary
	B1	2	Bonatti Christian	Inst. Math. Bourgogne	Ordinary
	B1	3	Chen Gui-Qiang George	UK	Ordinary
	B1	4	Chudnovsky Maria	USA	Foreign
	B1	6	Fantechi Barbara	Italy	Ordinary
	B1	7	Katzarkov Ludmil	Bulgaria	Ordinary
	B1	11	Munthe-Kaas Hans	Norway	Ordinary
	B1	12	Scholze Peter	Germany	Ordinary
	B1	13	Sturm Karl-Theodor	Germany	Ordinary
	B1	14	Tadmor Eitan	USA	Foreign
	B1	15	Yang Tong	China	Foreign
	B2		<u>Informatics (56)</u>	c. Schahram Dustdar	
	B2	1	Agaian Sos	United States	Foreign
	B2	2	Baeck Thomas	Netherlands	Ordinary
	B2	4	Bouguettaya Athman	Australia	Foreign
	B2	5	Buyya Rajkumar	Australia	Foreign
	B2	6	Chang Chin-Chen	Taiwan, Province of China	Foreign
	B2	8	Chen Jinjun	Australia	Foreign
	B2	10	Choo Kim Kwang (Raymond)	United States	Foreign
	B2	13	Franch Xavier	Spain	Ordinary
	B2	14	Fu Yun	United States	Foreign
	B2	15	Gall Harald	Switzerland	Ordinary
B2	17	Guo Song	Hong Kong	Foreign	
B2	18	Herrera Viedma Enrique	Spain	Ordinary	
B2	20	Jiang Hongbo	China	Foreign	

B2	22	Kunz Wolfgang	Germany	Ordinary
B2	26	Li Keqin	United States	Foreign
B2	28	Lin Xuemin	Australia	Foreign
B2	29	Liu Alex	China	Foreign
B2	30	Lu Jie	Australia	Foreign
B2	31	Luo Jiebo	United States	Foreign
B2	32	Manolopoulos Ioannis	Cyprus	Ordinary
B2	34	Navab Nassir	Germany	Ordinary
B2	35	Nipkow Tobias	Germany	Ordinary
B2	36	Ooi Beng Chin	Singapore	Foreign
B2	38	Pastor Oscar	Spain	Ordinary
B2	40	Polycarpou Marios	Cyprus	Ordinary
B2	41	Prasanna Viktor	United States	Foreign
B2	42	Rutkowski Leszek	Poland	Ordinary
B2	43	Shen Heng Tao	China	Foreign
B2	46	Wang Lizhe	China	Foreign
B2	47	Wu Jie	United States	Foreign
B2	48	Xie Tao	China	Foreign
B2	49	Xu Zeshui	China	Foreign
B3		Physics and Engineering Sciences (63)	c. Pavel Exner	
B3	2	Barnett Stephen Mark	United Kingdom	Ordinary
B3	3	Buras Andrzej Jerzi	Germany	Ordinary
B3	11	Grasso Marcella	France	Ordinary
B3	14	Helmig Rainer	Germany	Ordinary
B3	18	Ibrahimbegovic Adnan	France	Ordinary
B3	19	Ioannou Petros	United States	Foreign
B3	20	Ivanov Mikhail (Misha)	United Kingdom / Germany	Ordinary
B3	22	Jiang Kyle	United Kingdom	Ordinary
B3	25	Liu Honghai	United Kingdom	Ordinary
B3	28	Luo Kai Hong	United Kingdom	Ordinary
B3	31	Marcus Philippe	France	Ordinary
B3	34	Mitra Sanjit	United States	Foreign
B3	35	Moroni Lorenzo	The Netherlands	Ordinary
B3	43	Ruocco Giancarlo	Italy	Ordinary
B3	44	Sciuto Donatella	Italy	Ordinary
B3	49	Valenzuela Sergio	Spain	Ordinary
B3	52	Wang Lianzhou	Australia	Foreign
B3	57	Yao Liangzhong	China	Foreign
B3	59	Zayats Anatoly	United Kingdom	Ordinary
B3	60	Zhang Yi-Cheng	Switzerland	Ordinary
B4		Chemical Sciences (35)	c. Graham Hutchings	
B4	2	Bals Sara	Belgium	Ordinary
B4	3	Bolm Carsten	Germany	Ordinary
B4	6	Caminade Anne-Marie	France	Ordinary

B4	7	Carell Thomas	Germany	Ordinary
B4	8	Chankvetadze Bezhan	Georgia	Ordinary
B4	9	Clayden Jonathan	United Kingdom	Ordinary
B4	10	Dixneuf Pierre	France	Ordinary
B4	11	Fornasiero Paolo	Italy	Ordinary
B4	12	Frackowiak Elzbieta	Poland	Ordinary
B4	13	Glorius Frank	Germany	Ordinary
B4	15	Heine Thomas	Germany	Ordinary
B4	16	Jakab Toth Eva	France	Ordinary
B4	22	Maseras Feliu	Spain	Ordinary
B4	24	Plane John	United Kingdom	Ordinary
B4	25	Pombeiro Armando	Portugal	Ordinary
B4	27	Rutjes Floris	Netherlands	Ordinary
B4	29	Santamaria Jesus	Spain	Ordinary
B4	30	Stafilov Trajce	North Macedonia	Ordinary
B4	31	Szalay Peter	Hungary	Ordinary
B5		Earth and Cosmic Sciences (41)	c. Mike Burton	
B5	1	Aiuppa Alessandro	Italy	Ordinary
B5	4	Camps-Valls Gustau	Spain	Ordinary
B5	5	Cheng Yafang	Germany	Ordinary
B5	6	Christensen Jens Hesselbjerg	Denmark	Ordinary
B5	7	Clark Christopher	United Kingdom	Ordinary
B5	8	Claustre Herve	France	Ordinary
B5	9	Cordier Patrick	France	Ordinary
B5	10	Dahl-Jensen Dorthe	Denmark	Ordinary
B5	11	Dunai Tibor János	Germany	Ordinary
B5	12	Ekman Annica	Sweden	Ordinary
B5	17	George Christian	France	Ordinary
B5	18	Gilfanov Marat	Germany	Ordinary
B5	20	Huang Ru-Jin	China	Foreign
B5	21	Illangasekare Tissa	United States	Foreign
B5	23	Kirsimäe Kalle	Estonia	Ordinary
B5	24	Kusky Timothy Michael	China	Foreign
B5	25	Lal Rattan	United States	Foreign
B5	26	Lin Jian	United States	Foreign
B5	27	Main Ian	United Kingdom	Ordinary
B5	28	Manceau Alain	France	Ordinary
B5	30	Palmroth Minna	Finland	Ordinary
B5	32	Rodighiero Giulia	Italy	Ordinary
B5	33	Romano Claudia	Italy	Ordinary
B5	34	Russell James (Kelly)	Canada	Foreign
B5	36	Stipp Susan Louise Svane	Denmark	Ordinary
B5	37	Stuart Boulton Geoffrey	United Kingdom	Ordinary
B5	39	Valerio Lucarini	United Kingdom	Ordinary
B5	40	Xiao Wenjiao	China	Foreign
B5	41	Yu Shaocai	China	Foreign

111 members elected

Sect.		Full name	Country	Membership type
C1		Biochemistry and Molecular Biology (31)	c. Ray Dixon	
C1	1	Andrzej Dziembowski	Poland	Ordinary
C1	2	Barras Frédéric	France	Ordinary
C1	3	Blackledge Martin	France	Ordinary
C1	4	Carmo-Fonseca Maria	Portugal	Ordinary
C1	7	Fussenegger Martin	Switzerland	Ordinary
C1	8	Gutjahr Caroline	Germany	Ordinary
C2	9	Ikonen Elina	Finland	Ordinary
C2	12	Kjelleberg Staffan	Singapore	Foreign
C2	14	Lesk Arthur	United States	Foreign
C2	17	Naismith James	United Kingdom	Ordinary
C2	18	Peacock Sharon	United Kingdom	Ordinary
C2	20	Pereira Inês	Portugal	Ordinary
C2	21	Pihlajaniemi Taina	Finland	Ordinary
C2	22	Pinho Mariana	Portugal	Ordinary
C2	24	Rubio Herrero Luis Manuel	Spain	Ordinary
C2	25	Sklenář Vladimír	Czech Republic	Ordinary
C2	26	Szweykowska-Kulińska Zofia	Poland	Ordinary
C2	27	Tokatlidis Kostas	United Kingdom	Ordinary
C2	28	Tolic Iva	Croatia	Ordinary
C2	31	Wei Wenyi	United States	Foreign
C2		Cell and Developmental Biology (20)	c. Crisanto Gutierrez	
C2	1	Bergmann Dominique	United States	Foreign
C2	3	Bovolenta Paola	Spain	Ordinary
C2	7	Gerlich Daniel	Austria	Ordinary
C2	9	Huber Lukas Alfons	Austria	Ordinary
C2	11	Ramiro Almudena	Spain	Ordinary
C2	12	Ryan Kevin	United Kingdom	Ordinary
C2	13	Serrano Manuel	Spain	Ordinary
C2	16	Wilson Stephen	United Kingdom	Ordinary

C3		<u>Physiology and Neuroscience (31)</u>	c. Balázs Gulyás	
C3	1	Conti Fiorenzo	Italy	Ordinary
C3	2	Decety Jean	United States	Foreign
C3	3	Deli Mária	Hungary	Ordinary
C3	4	Di Giovanni Giuseppe	Malta	Ordinary
C3	5	Draganski Bogdan	Switzerland	Ordinary
C3	6	Ehrsson H. Henrik	Sweden	Ordinary
C3	7	Fisone Gilberto	Sweden	Ordinary
C3	8	Flint Jonathan	United States	Foreign
C3	10	Haller Jozsef	Hungary	Ordinary
C3	14	Larhammar Dan	Sweden	Ordinary
C3	18	Llorens-Martín María	Spain	Ordinary
C3	19	Lu Xin	United Kingdom	Ordinary
C3	20	Moroni Anna	Italy	Ordinary
C3	21	Perlmann Thomas	Sweden	Ordinary
C3	23	Shuba Yaroslav	Ukraine	Ordinary
C3	24	Soranzo Nicole	Italy	Ordinary
C3	27	Testa Giuseppe	Italy	Ordinary
C3	29	van der Maarel Silvere Maria	The Netherlands	Ordinary
C4		<u>Organismic and Evolutionary Biology (15)</u>	c. Christophe Thébaud	
C4	1	Ainouche Malika	France	Ordinary
C4	2	Buckley Yvonne	Ireland	Ordinary
C4	3	Danovaro Roberto	Italy	Ordinary
C4	4	Fang Jingyun	China	Foreign
C4	5	Krupovic Mart	France	Ordinary
C4	6	Levin Simon	United States	Foreign
C4	7	Mathevon Nicolas	France	Ordinary
C4	8	Molnár Zsolt	Hungary	Ordinary
C4	9	Nagy G. László	Hungary	Ordinary
C4	10	Potts Simon	United Kingdom	Ordinary
C4	11	Rillig Matthias	Germany	Ordinary
C4	13	Tryjanowski Piotr	Poland	Ordinary
C4	15	Øvreås Lise	Norway	Ordinary
C5		<u>Clinical and Veterinary Science (140)</u>	c. Péter Hegyi	
C5	1	Agusti Alvar	Spain	Ordinary
C5	2	Alla Francois	France	Ordinary
C5	3	Apweiler Rolf	United Kingdom	Ordinary
C5	4	Bennett Derrick	United Kingdom	Ordinary

C5	5	Best James	Singapore	Foreign
C5	6	Blanco-Prieto María	Spain	Ordinary
C5	7	Bornstein Stefan	Germany	Ordinary
C5	8	Bottini Gabriella	Italy	Ordinary
C5	9	Brugha Traolach Sean	United Kingdom	Ordinary
C5	10	Bruno Marco	The Netherlands	Ordinary
C2	15	Chen Youhai	United States	Foreign
C5	16	Chen Zhengming	United Kingdom	Ordinary
C5	17	Chung Kian Fan	United Kingdom	Ordinary
C5	18	Cohen Adam Frederik	The Netherlands	Ordinary
C5	19	Cole Timothy	United Kingdom	Ordinary
C5	20	Couvreur Patrick	France	Ordinary
C5	21	Dargan Paul	United Kingdom	Ordinary
C5	23	Dinan Timothy	Ireland	Ordinary
C5	24	Dominiczak Anna	United Kingdom	Ordinary
C5	25	Downward Julian	United Kingdom	Ordinary
C5	26	Dulak Józef	Poland	Ordinary
C5	27	Dusheiko Geoffrey	United Kingdom	Ordinary
C5	28	Dziadziuszko Rafal	Poland	Ordinary
C5	29	Earnshaw William	United Kingdom	Ordinary
C5	30	Ebrahim Shaheen	United Kingdom	Ordinary
C5	31	Elliott Paul	United Kingdom	Ordinary
C5	32	Erdfelder Edgar	Germany	Ordinary
C5	33	Ernst Edzard	United Kingdom	Ordinary
C5	34	Evans Alun	United Kingdom	Ordinary
C5	35	Falagas Matthew	Greece	Ordinary
C5	36	Ferdinandy Péter	Hungary	Ordinary
C5	37	Fink Gereon	Germany	Ordinary
C5	38	Fitzgerald Rebecca	United Kingdom	Ordinary
C5	39	Forbes Alastair	Estonia	Ordinary
C5	40	Fox Nick	United Kingdom	Ordinary
C5	41	Franco Oscar	Switzerland	Ordinary

C5	42	Gassmann Max	Switzerland	Ordinary
C5	43	GIROS Bruno	Canada	Foreign
C5	44	Goadsby Peter	United Kingdom	Ordinary
C5	45	Golding Jean	United Kingdom	Ordinary
C5	46	Gorgoulis Vassilis	Greece	Ordinary
C5	47	Grzybowski Andrzej Edward	Poland	Ordinary
C5	48	Guttmann Charles	United States	Foreign
C5	49	Hattersley Andrew	United Kingdom	Ordinary
C5	50	Heusch Gerd	Germany	Ordinary
C5	51	Hope William	United Kingdom	Ordinary
C5	52	Hothorn Torsten	Switzerland	Ordinary
C5	53	Huizinga Thomas	The Netherlands	Ordinary
C5	54	Häussinger Dieter	Germany	Ordinary
C5	55	Jaddoe Vincent Wilfred Vishal-Kapoor	The Netherlands	Ordinary
C5	56	Jakovljevic Mihajlo	Serbia	Ordinary
C5	57	Jaïs Pierre	France	Ordinary
C5	58	Johnson Dame Anne Mandall	United Kingdom	Ordinary
C5	59	Jöckel Karl-Heinz	Germany	Ordinary
C5	60	Kaprio Jaakko Arthur	Finland	Ordinary
C5	61	Katan Martijn	The Netherlands	Ordinary
C5	62	Khaw Kay-Tee	United Kingdom	Ordinary
C5	63	Kollias George	Greece	Ordinary
C5	64	Kronenberg Florian	Austria	Ordinary
C5	65	Lakka Timo	Finland	Ordinary
C5	66	Lamuela-Raventós Rosa	Spain	Ordinary
C5	67	Lanzenberger Rupert	Austria	Ordinary
C5	68	Laurencin Cato	United States	Foreign
C5	69	Lees Andrew	United Kingdom	Ordinary
C5	70	Lehtimäki Terho	Finland	Ordinary
C5	71	Lutz Hans	Switzerland	Ordinary
C5	72	Lyons Ronan	United Kingdom	Ordinary
C5	73	Lyu Aiping	China	Foreign
C5	74	Löwenberg Bob	The Netherlands	Ordinary
C5	75	Maisonneuve Patrick	Italy	Ordinary
C5	76	Malik Marek	United Kingdom	Ordinary
C5	77	Mancia Giuseppe	Italy	Ordinary
C5	78	Manz Markus	Switzerland	Ordinary

C5	79	Mayerle Julia	Germany	Ordinary
C5	80	McCormack Brendan	United Kingdom	Ordinary
C5	81	Mechoulam Raphael	Israel	Ordinary
C5	82	Megraud Francis	France	Ordinary
C5	83	Melbye Mads	Denmark	Ordinary
C5	84	Merkely Béla	Hungary	Ordinary
C5	85	Meyer-Lindenberg Andreas	Germany	Ordinary
C5	86	Mihalca Andrei Daniel	Romania	Ordinary
C5	87	Naldini Luigi	Italy	Ordinary
C5	88	Nester Christopher	United Kingdom	Ordinary
C5	89	Nieschlag Eberhard	Germany	Ordinary
C5	90	Norrving Bo	Sweden	Ordinary
C5	91	O'Rahilly Stephen	United Kingdom	Ordinary
C5	92	Ohlsson Claes	Sweden	Ordinary
C5	93	Ong Ken	United Kingdom	Ordinary
C5	94	Oyen Wim J.G.	The Netherlands	Ordinary
C5	95	Pearce Neil	United Kingdom	Ordinary
C5	96	Pinzani Massimo	United Kingdom	Ordinary
C5	97	Pollard Jeffrey William	United Kingdom	Ordinary
C5	98	Poynard Thierry	France	Ordinary
C5	99	Radbruch Andreas	Germany	Ordinary
C5	100	Reiner Željko	Croatia	Ordinary
C5	101	Roden Michael	Germany	Ordinary
C5	102	Rosendaal Frits	The Netherlands	Ordinary
C5	103	Rossi Gian Paolo	Italy	Ordinary
C5	104	Rossor Martin	United Kingdom	Ordinary
C5	105	Rubinsztein David	United Kingdom	Ordinary
C5	106	Rudan Igor	United Kingdom	Ordinary
C5	107	Rujescu Dan	Austria	Ordinary
C5	108	Rutkowski Piotr	Poland	Ordinary
C5	109	Salas-Salvadó Jordi	Spain	Ordinary
C5	111	Saunders Philippa	United Kingdom	Ordinary
C5	112	Schwab Matthias	Germany	Ordinary
C5	113	Schwede Torsten	Switzerland	Ordinary
C5	114	Segalés Joaquim	Spain	Ordinary
C5	115	Shariat Shahrok	Austria	Ordinary
C5	116	Siersema Peter	The Netherlands	Ordinary

C5	117	Simon Hans-Uwe	Switzerland	Ordinary
C5	118	Simonds Anita	United Kingdom	Ordinary
C5	119	Spandidos Demetrios	Greece	Ordinary
C5	120	Stefanadis Christodoulos	Greece	Ordinary
C5	121	Steyerberg Ewout	The Netherlands	Ordinary
C5	122	Suhonen Riitta	Finland	Ordinary
C5	123	Suomalainen Wartiovaara (ASW; Suomalainen in publications) Anu	Finland	Ordinary
C5	124	Swash Michael	United Kingdom	Ordinary
C2	125	Tian Zhigang	China	Foreign
C5	126	Tilg Herbert	Austria	Ordinary
C5	127	Trichopoulou Antonia	Greece	Ordinary
C5	128	Trowsdale John	United Kingdom	Ordinary
C5	129	Tunçalp Özge	Switzerland	Ordinary
C5	130	Tuomilehto Jaakko	Finland	Ordinary
C5	131	Uusitupa Matti	Finland	Ordinary
C5	132	Vermeire Séverine	Belgium	Ordinary
C5	133	Vieta Eduard	Spain	Ordinary
C5	134	Vieth Michael	Germany	Ordinary
C5	135	Vincent Jean-Louis	Belgium	Ordinary
C5	136	Vodnar Dan Cristian	Romania	Ordinary
C5	137	Wagner Carsten	Switzerland	Ordinary
C5	138	Wang Xiangdong	China	Foreign
C5	139	Ward Nick	United Kingdom	Ordinary
C5	140	Weiderpass Elisabete	France	Ordinary
C5	141	Weiss Günter	Austria	Ordinary
C5	142	Witter Menno	Norway	Ordinary
C5	143	Wong John (Eu-Li)	Singapore	Foreign
C5	144	Wouters Emiel	Belgium	Ordinary
C5	146	Zinkernagel Annelies	Switzerland	Ordinary

198 elected

Annex 2 Trustees, 'Council', and Section Committee composition as at 31st December 2022

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

In November 2015 the Board approved the designation of several existing Trustees as Vice Presidents ex officio, to reflect new portfolios. In 2022 these were Professor Paolo Papale(Class Chair); Professor Poul Holm (Class Chair) Professor Bjorn Wittrock (Class Chair) and Professor Eva Kondorosi (Class Chair). Governance and incorporation documents can be found on the website (www.ae-info.org).

Members of the Board of Trustees (at 31st December 2022)

Elected officers:

The President – Professor Marja Makarow until end of 2024, then renewable

Treasurer - Dr Oskar Mencer (UK) as *pro tem* treasurer until the end of 2022 (Professor Stephen Evans from January 2023)

The Vice President (officio) – vacant in 2022 Professor Don Dingwell from January 2023.

Trustees

Ole Petersen (UK) co-opted (to end of 2023), Academic Director, Cardiff Hub,

Poul Holm (IRL) – Class chair – Class A1 (Humanities) co-opted Vice president *ex officio*; until end of 2025,

Paolo Papale – Class Chair – Class B (Natural Sciences) co-opted Vice president *ex officio*. Until end of 2027,

Eva Kondorosi (HUN)– Class Chair – Class C (Life Sciences) co-opted Vice President *ex officio* until end of 2026,

Bjorn Wittrock (SWE) - Class chair from January 2018 co-opted Vice president *ex officio* until end of 2024,

Professor Eystein Jansen (NOR) co-opted until the end of 2024. Academic Director of the Bergen Hub

Professor Don Dingwell trustee 2021 - end of 2022, then Elected VP from January 2023 – end of 2025, renewable

[Professor Milena Zic-Fuchs (Croatia) co-opted from January 2023]

Academia Europaea - Composition of the Advisory Council (at 31 December 2022)

Following the establishment of the Class structure and the allocation of Sections into the four Classes, the role for a single Advisory Council (hereinafter The Council) meeting only annually and with a very limited function, has been replaced by a variable configuration composed of the four classes. The Section chairs (as members of the Council) are all members of one of the Class committees. Within each Class configuration, each Section chair has a term three years, with the possibility of renewal for one further period of three years. The Class chairs are independently appointed and are members of the Board of trustees, and therefore they act as the (independent) representative of the Council (the Sections) on the Board. This structure ensures stronger flow of information and consultation between the Board of trustees and the Advisory Council (the four Class committees) than was formerly the case. This structure has also facilitated a greater devolving of responsibility to the Class level than had been possible under the old Council formation.

Academia Europaea Section Committees Chairpersons and Committee Members¹

At 31 December 2022

A CLASS A1

Class Chair, Poul Holm (Trinity, Dublin, R of Ireland) holmp@tcd.ie

Deputy chair: Professor Göran Bolin, Sweden Goran.bolin@sh.se

A1 History & Archaeology

Chairperson²: Amélia Polónia (to December 2025, renewable)⁴

Department of History, Political and International Studies, University of Porto

amelia.polonia@gmail.com https://www.ae-info.org/ae/Member/Pol%C3%B3nia_Am%C3%A9lia

Committee³: Nikita Harwich (till end 2025, renewable); Korine Amacher (till end 2025); Maxine berg (till end 2025); Markus Denzel (till end 2025); Bogdan Szlachra (till end 2025); Manuel Lucena-Giraldo (till end 2025; Guido Abbattista (until end of 2025, renewable); Judith Pollman (until end of 2025, renewable).

A2 Classics & Oriental Studies

Chairperson: Gerd Haverling (to end of 2025)

gerd.haverling@lingfil.uu.se

Uppsala University, Dept. of Linguistics & Philology

Committee: Gianfranco Agosti (till end of 2024), Alessandro Bausi, (to end of 2024), Irmela Hijjiya-Kirschnerreit (to end 2025) ; Joachim Kurtz (to end of 2025, renewable), Eva Cancik-Kirschbaum (to end of 2025, renewable)

A3 Linguistic Studies

Chairperson: Pier Marco Bertinetto (till end 20225).

bertinetto@sns.it

SNS, Pisa, Italy

<http://linguistica.sns.it/PaginePersonal/Bertinetto.htm>

Committee : Asifa Majid Vice Chair (to end of 2023), Nigel Vincent (to end of 2023), Alain Peyraube (to end 2025), Angela Ralli, to end of 2025), Harald Baayen (to end of 2025). Katalin E. Kiss (to end of 2023, renewable)

A4 Literary & Theatrical Studies

Chairperson: Françoise Lavocat (to end of 2025, renewable)

Department of Comparative Literature, University Paris 3-Sorbonne nouvelle

https://www.ae-info.org/ae/Member/Lavocat_Francoise francoise.lavocat@sorbonne-nouvelle.fr

Committee: Vladimir Biti (to end of 2025, renewable), Vivian Liska (to end 2023), Martin Middeke (to end of 2024), Catriona Seth (to end of 2023, renewable), Massimo Fusillo (to end of 2025, renewable)

A5 Musicology & Art History

Chairperson: Ulrich Pfisterer (to December 2025, renewable)

Institut für Kunstgeschichte der LMU, Munich

ulrich.pfisterer@lrz.uni-muenchen.de https://www.ae-info.org/ae/Member/Pfisterer_Ulrich

Committee: Laurenz Lutteken (to end of 2025, renewable), Melanie Wald-Fuhrmann (until end of 2024), Tanja Michalsky (to end of 2025), Barbara Baert (to end of 2023 renewable), Thierry Favier (to end of 2023, renewable), Caroline van Eck, Cambridge (to end of 2023, renewable).

A6 Philosophy, Theology & Religious Studies

Chairperson: Mircea Dumitru (to December 2025, renewable)

University of Bucharest mirdumitru@yahoo.com https://www.ae-info.org/ae/Member/Dumitru_Mircea

Committee: Genoveva Marti (till end of 2025, renewable); Martin Carrier (to end of 2025), Cinzia Ferrini (to end of 2025), Margit Sutrop (to end of 2025), Timothy Williamson (to end of 2025), Alex Fidora (to end of 2025)

A7 Film, Media and Visual Studies Chairperson: Göran Bolin (to end 2024)

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

Committee: Fausto Colombo (to end of 2023), Helena Bilandzic (to the end of 2024), Gustavo Cardoso (to end of 2023, renewable), Sonia Livingstone (to end of 2025, renewable), Auksė Balčytienė (to end of 2025, renewable)

CLASS A2

Class Chair Björn Wittrock, Uppsala University and Swedish Collegium for Advanced Study.

bjorn.wittrock@swedishcollegium.se

Deputy chair: Professor Shalini Randeria, Central European University, Vienna and Budapest.

randeria@iwm.at president@ceu.edu

A8 Economics, Business and Management Sciences

Chairperson: Martin Kahanec (to end of 2023, renewable)

kahanecm@spp.ceu.edu Central European University, Vienna, and Central European Labour Studies Institute (CELSI, Bratislava)

Committee: Reinhilde Veugelers (to end of 2023), Andreu Mas-Colell (to end of 2022, renewable), Klaus Zimmermann (to end of 2023, renewable), Marie Claire Villeval (to end of 2025, renewable)

A9 Governance, Institutions and Policies: Education, Health and Welfare

Chairperson: Peter Scott (to June 2022)- **extended to June 2022**

p.scott@ioe.ac.uk <https://www.ioe.ac.uk/staff/51229.html>

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

Committee: Pauli Kettunen (to end of 2022, renewable), Archana Singh-Manoux (to end of 2022)

A 10. Human Mobility, Governance, Environment and Space

Chairperson: Maria Paradiso (to end 2023)

maria.paradiso@unimi.it

Department DEMM of Social Sciences. Geography Unit. University of Sannio, Piazza Arechi II, 82 - 82100 Benevento, Italy

Committee: Sture Öberg (to end 2022), Leo van Wissen (until end of 2022, renewable), Michael Keating (to end of 2022, renewable), Benno Werlen (until the end of 2022, renewable), Tovi Fenster (until end of 2024, renewable), Jennifer Robinson (until end 2024, renewable)

A11 Law

Chairperson: Nina Dethloff (to end 2025)

dethloff@uni-bonn.de

Faculty of Law, University of Bonn

Committee: Maarit Jäntäerä- Jareborg (to end of 2025), Christina Gonzales-Beilfuss (to end of 2025), Dieter Gosewinkel (until end of 2025); Tatjana Josipović (until end of 2023, renewable). Rianne Letschert (until end of 2023, renewable). Christopher Thornhill (to end of 2023, renewable), Bea Verschraegen (until end of 2025, renewable)

A 12. Social Change and Social Thought

Chairperson: Peter Wagner (to end of 2025)

Peter.Wagner@ub.edu

Catalan Institute for Research and Advanced Studies and University of Barcelona

Committee: Wolfgang Knöbl (to end of 2025), Lars Magnusson (to end of 2025), Marilyn Strathern (to end of 2024)

A 13. The Human Mind and Its Complexity

Chairperson: Jüri Allik (to end of 2025)

juri.allik@ut.ee

Dept. of Experimental and Cognitive Psychology, University of Tartu, Estonia

Committee: Kimmo Alho (to end of 2025), Gian Vittorio Caprara (to end of 2023), Kurt Pawlik (to end of 2023), Mara Dierssen (to end of 2023, renewable)

CLASS B

Class Chair: Paolo Papale (from 1 January 2022 until end of 2024, renewable once)

paolo.papale@ingv.it

Istituto Nazionale di Geofisica e Vulcanologia, Italy

Deputy Chair: vacant

B1 Mathematics

Chairperson: Philippe Michel (to end of 2025)

philippe.michel@epfl.ch

Ecole Polytechnique Federale de Lausanne

Committee: Jean-Benoît Bost (to end 2024), Martin Hairer (to end 2024), (Volker Mehrmann (to end 2024), Amie Wilkinson (to end 2025), Karen Vogtmann (to end of 2024, renewable), Benoit Perthame (to end of 2025, renewable)

B2 Informatics

Chairperson: Erol Gelenbe (from January 2023 – December 2025, renewable)

Institute of Theoretical and Applied Informatics, Polish Academy of Sciences

gelenbe.erol@orange.fr https://www.ae-info.org/ae/Member/Gelenbe_Erol

Committee: Schahram Dustdar (to end of 2025, renewable), Manuel Hermenegildo (to end of 2025), Onur Mutlu (to end of 2023), Wil van der Aalst (to end of 2023, renewable), Rajiv Ranjan (until end of 2024, renewable)

B3 Physics and Engineering Sciences

Chairperson: Pavel Exner (until end of 2024)

exner@ujf.cas.cz Doppler Institute, Brehova 7, 11519, Prague, Czech Republic

Committee: Michael Peter Kennedy (until end 2023), Angela Bracco – Vice Chair (until end 2023), Ursel Fantz (until end of 2024), Itamar Procaccia (until the end of 2023, renewable), Paul Linden (until the end of 2023, renewable), Päivi Törmä (from Jan 2022 to end of 2024, renewable), Fabio Zwirner (until the end of 2024, renewable); Tomasz Dietl (until end of 2026, renewable)

B4 Chemical Sciences

Chairperson Ulrike Diebold (to end of 2025, renewable)

diebold@iap.tuwien.ac.at

Institute of Physics, TU Wien - Vienna University of Technology

Committee: Janine Cossy (to end of 2022), Bert Weckhuysen (to end 2022), Valentine Ananikov (to end of 2022, renewable), Hans-Peter Steinrueck (to end of 2025, renewable), Gianfranco Pacchioni (to end of 2025, renewable), Eleanor Campbell (to end of 2025, renewable).

B5 Earth and Cosmic Sciences

Chairperson: Mike Burton (to end of 2024, renewable)

mike.burton@manchester.ac.uk

School of Earth and Environmental Sciences, University of Manchester, UK

Committee: Gerald Gilmore (till end of 2023), Todd Ehlers (till end 2025), Valerio Acocella (to end of 2025, renewable), Liane G. Benning (to end of 2025, renewable)

CLASS C

Class Chair, Eva Kondorosi (to end of 2024, renewable once) eva.kondorosi@gmail.com

Deputy Chair. Vacant

C1 Biochemistry and Molecular Biology

Chairperson: Ray Dixon (to end of 2024, renewable)

ray.dixon@jic.ac.uk

John Innes Centre, Norwich, UK

Committee : Brigitte GICQUEL (to end of 2023, renewable), Annalisa PASTORE (to end of 2023, renewable), Mart SAARMA (TO END OF 2023, renewable), Maria Carmo-Fonseca (to end of 2025, renewable)

C2 Cell and Developmental Biology

Chairperson: Crisanto Gutierrez (to end of 2023, renewable)

cgutierrez@cbm.csic.es

Centro de Biología Molecular Severo Ochoa, Spanish National Research Council (CSIC), Madrid, Spain

https://www.ae-info.org/ae/Member/Gutierrez_Crisanto

Committee: Christine Mummery (to end of 2024), Maria-Elena Torres-Padilla (to end of 2024, renewable), Ivan Dikic (to end of 2024, renewable), Elaine Dzierzak (to end of 2025, renewable), Lena Claesson-Welch (to end of 2025, renewable).

C3 Physiology and Neuroscience

Chairperson: Balazs Gyulas (to end of 2024, renewable)

Karolinska, Stockholm and

Centre for Neuroimaging Research at NTU. Lee Kong Chian School of Medicine. Hong Kong

balazs.gulyas@ntu.edu.sg

Committee: Dmitri Rusakov (to end 2025), Alexey Semyanov (until the end of 2023, renewable), Michaela Matteoli (until end of 2023, renewable), Karin Sipido (until end of 2024, renewable), Zaal Kokaia (until end of 2024, renewable). Mara Dierssen (to end of 2025, renewable), Thomas Perlmann (to end of 2025, renewable)

C4 Organismic and Evolutionary Biology

Chairperson: András Báldi (from January 2023 – to December 2025, renewable))
Centre for Ecological Research, Hungarian Academy of Sciences
baldi.andras@ecolres.hu [https://www.ae-info.org/ae/Member/B%C3%A1ldi Andr%C3%A1s](https://www.ae-info.org/ae/Member/B%C3%A1ldi_Andr%C3%A1s)

Committee: Cristophe Thebaud (to end of 2025), Per Ahlberg (to end of 2025); Dianne Edwards (to end 2025), Louise Fresco (to end 2025); Mike Hassell (until end 2025). Richard Bardgett (to end 2025)

C5 Clinical and Veterinary Science

Chairperson: Peter Hegyi (To end 2024, renewable)
hegyi2009@gmail.com

Semmelweis University, Budapest

Committee: Christopher Griffiths (until end 2022), Paul Matthews (until end 2022), Richard Frackowiak (until end 2022)

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

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

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

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



ACADEMIA EUROPAEA
CARDIFF KNOWLEDGE HUB

ANNUAL
REPORT
2022

PROMOTING
RESEARCH
EXCELLENCE
FOR POLICY AND
PROGRESS

CARDIFF
UNIVERSITY
PRIFYSGOL
CAERDYDD

WELCOME TO OUR ANNUAL REPORT 2022

Having emerged from the Covid crisis, 2022 has seen the tragic outbreak of war in Europe, with the outrageous Russian invasion of Ukraine in February. As a member of the AE Board, I was happy that there was unanimous agreement in the Board about stating AE's solidarity with our partners in Ukraine. The Cardiff Hub initiated a *We Stand with Ukraine*, featuring editorials and also interviews with two newly-elected Ukrainian members of AE. In a strongly worded editorial published in the May issue of *FUNCTION*, written together with Alexei Verkhratsky MAE, we were very critical of the Russian academic institutions supporting Russia's criminal war against Ukraine and advocated their isolation from our communities.

In other areas, it has been heartening to see the Cardiff Hub flourish. Once again, the AE Hub has organised a number of international webinars this year on a wide range of interesting topics. The SAPEA (Science Advice for Policy by European Academies) consortium, which includes Academia Europaea as a key partner, has been extended and funded until the end of 2024. The AE Hub also joined the Horizon 2020-funded CALIPER project, as part of a consortium that aims to address gender equality within research and innovation in Europe. I was delighted to host 33 of the partners at a CALIPER consortium meeting at Woburn House in London in June.

Marja Makarow's term as AE's new President began in January. In the Hub's interview with Marja, she outlined her priorities for the Academy. Sadly, Sir Arnold Burgen, the Founding President of Academia Europaea, passed away just a couple of months after celebrating his 100th birthday. In October, we also lost a good friend, Tullio Pozzan ForMemRS MAE. Tullio was not only an astoundingly brilliant and rigorous scientist, but also a truly kind and generous friend.

As ever, I'd like to thank Cardiff University's President and Vice-Chancellor, Colin Riordan CBE MAE and the Director of CU's School of Biosciences, Jim Murray MAE for their constant support. I am also grateful to Sir Mark Walport FRS MAE for chairing our Steering Group and for his continued invaluable guidance.



Ole H Petersen CBE MAE ML FRS

Director of the AE Cardiff Knowledge Hub





CONTEXT

Our achievements in 2022 are set out in the context of the four priorities in the Strategic Plan 2020-2023. Our specific priorities in 2022 have been to:

1. Deliver on our project commitments in SAPEA and CALIPER, together with any new projects that come to fruition.
2. Continue to deliver an engaging programme of events and further develop our online presence, including the website, multimedia and social media channels.

HIGHLIGHTS IN 2022

■ The Cardiff Hub has been at the heart of two **externally-funded projects**, SAPEA and CALIPER. The SAPEA project was renewed in May and current funding continues to the end of 2024, with financial support to the Hub guaranteed by the UK Government. As well as leading on stakeholder communications in the CALIPER project, the Hub hosted a successful meeting of the CALIPER consortium in London, in June.



■ We have continued to build fruitful **relationships with key partners**, through joint events and projects. Our April webinar on *Science advice at times of crisis* brought together 6 international networks in science advice, from the UK and Europe, the USA, Canada and South Africa.



■ The Cardiff Hub was proud to be asked to **lead communications work** for Academia Europaea's Annual Conference, held in Barcelona in October. As part of our communications campaign, we published in-depth interviews with medal winners and key speakers at the conference, and compiled a video of conference highlights.



STRATEGIC PRIORITY 1:

Continue to play a major role in providing science advice for policymaking

We will continue to play a full role in delivering high-quality evidence reviews for policymaking in the SAPEA project and explore other opportunities for providing science advice.

SAPEA project

An integral part of the European Scientific Advice Mechanism since 2016, SAPEA delivers evidence reviews that inform the work of the European Group of Chief Scientific Advisors. Our work in the SAPEA project continues, thanks to an extension of Horizon 2020 funding until the end of April and, from May, the support of the UK Government's funding guarantee for Horizon Europe projects.

In March, SAPEA published a new Evidence Review Report on *Improving cancer screening in the European Union*. AE Cardiff oversaw the production and publication of three rapid reviews of the literature, representing an important contribution to the overall evidence base. The Review

Team was led by Dr Alison Weightman (Director of the Specialist Unit for Review Evidence at Cardiff University), together with Dr Nick Courtier (Cardiff University), Dr Hui-Ling Ou (University of Cambridge) and Louise Edwards (AE Cardiff Hub Manager).

AE Cardiff also collaborated closely with ALLEA in the production of a new SAPEA Evidence Review Report, *Strategic crisis management in the EU*, published in November. We organised a successful workshop with the wider expert community and coordinated the peer review process, as

well as undertaking extensive editorial work. We worked with Frederico Rocha, Manager of Cardiff's European Documentation Centre, to provide a wide range of literature reviews. Frederico also created a detailed overview of EU mechanisms for strategic crisis management, published separately by SAPEA.

Engagement activities continued for the SAPEA Evidence Review Report, *Biodegradability of plastics in the open environment*, published in 2020 and co-ordinated by the Cardiff Hub. In January, we cooperated with SAPEA and AE Bergen to launch *built2biodegrade.eu*, a website showcasing a unique public experiment on plastic biodegradability. The work was co-led by scientists at the NORCE research institute, and HYDRA Marine Sciences. In November, the European Commission adopted a Communication, setting out a policy framework for biobased, biodegradable and compostable plastics, citing the work of the Scientific Advice Mechanism.



27-28 April 2022
in Brussels and online

Science advice under pressure

International cooperation in science advice

Internationally, AE Cardiff has been building connections with other networks of science advice and policy engagement. Hub Manager, Louise Edwards, joined the international sub-committee of the Universities Policy Engagement Network (UPEN). A positive outcome from this was an international webinar in April, *Science advice at times of crisis: what roles for universities and academies?* Hosted by the AE Cardiff and chaired by Hub Director, Professor Ole Petersen, it was promoted as a side event to a major conference, *Science advice under pressure*, organised by the European Scientific Advice Mechanism. Our partners were UPEN, Academia Europaea, Advancing Research Impact in Society (ARIS), Research Impact Canada, the South African Higher Education Community Engagement Forum (SAHECEF), and SAPEA. 130 joined the webinar from 28 countries and the recording continues to be viewed on YouTube.

STRATEGIC PRIORITY 2:

Promote excellence through showcasing outstanding research and engaging with our members

We will showcase outstanding research, particularly by Academia Europaea Members, as well as work led by us in projects, for example, SAPEA. We will engage in public debate on topical issues in research, for example, open access, interdisciplinary approaches, research impact, international collaboration, translational research etc.



Interview series with MAEs

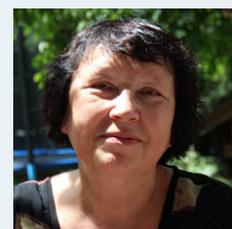
As part of our popular Interview Series, we were delighted to interview Marja Makarow, the new

President of Academia Europaea. There were also interviews with MAEs Sir David King (campaigning environmentalist, AAAS Award winner and former UK Chief Scientific Adviser), Karina Lovell (Professor of Mental Health at the University of Manchester), Valerio Lucarini (Professor of Statistical Mechanics at the University of Reading) and David Paterson (current President of the Physiological Society).

Standing with Ukraine



AE Cardiff has stood wholeheartedly with Ukraine, since the February invasion. Our website features a specially-created banner, *We stand with Ukraine*, and our campaign of support has included news features and interviews with Ukrainian MAEs, Professors Yaroslav Shuba and Luba Kyyanovska. Both interviews featured in our most popular web pages for 2022.



Leadership in communications

We were asked to lead on communications work for the AE Annual Conference, held in Barcelona in late October. As part of our communications campaign, we published in-depth interviews with medal winners and plenary speakers, including Sir Shankar Balasubramanian, Helga Nowotny, Philippe Aghion (recipient of the Erasmus Medal), Sierd Cloetingh (recipient of the 2022 Gold Medal), Carl-Henrik Heldin and Nancy Cartwright (winner of the Hypatia Prize).

We produced a video of conference highlights, along with a video to promote the work of the AE's Environment Taskforce.



"Whenever people ask me what we need to support and foster innovation, I respond that we absolutely must maintain a strong base in basic research, with the necessary funding and infrastructure for it. Without that, at some point in the future, there will be no innovation, there will be no new knowledge and no new discoveries." – Sir Shankar Balasubramanian



"When you receive a big award like this, it both humbles you and encourages you to pursue more research. I think it's important to use it to push ideas and encourage young talented researchers." – Philippe Aghion MAE



"I'm interested in the kind of societal conditions needed for science to thrive, and in the contributions that the sciences make to society. We want research excellence, but society also expects some kind of benefit from it." – Helga Nowotny MAE

Our Twitter campaign for the conference created a huge increase in statistics for Academia Europaea's account, with the initial summary showing the following:

- A **186%** increase in profile visits to the Academia Europaea account compared to the previous month.
- **34** new Twitter followers during the conference
- A **493%** increase in tweet impressions compared to the previous month, meaning a huge leap in the number of times our tweets appeared on people's feeds.

Tributes

The Hub marked AE Founding President Sir Arnold Burgen's 100th birthday in March and we paid tribute to him when he sadly passed away in May. We also paid tribute to Tullio Pozzan MAE, widely regarded as the 'King of Calcium Signalling', who passed away in October.



BRIEFING SERIES

Briefing Series

Under our Briefing Series, we have published two new papers, on the Diamond Open Access model and the role of networks in the science advice ecosystem. Each paper summarises key points of discussion at our webinars, with the aim of providing a useful resource on the topic. Another two are being prepared for publication early in 2023.

Impact

New visitors to our website have increased by **9.6%** this year.

Our quarterly newsletter remains an important part of our communications. Sent to the entire AE membership, it is highly effective at driving traffic to our website and results in around **2,000** click-throughs per newsletter.

Twitter continues to help us reach new audiences and raise awareness of our work. Our number of followers has again increased this year, by **20%**.

Top media Tweet earned 4,873 impressions

In our latest interview, AAAS Award winner and former UK Chief Scientific Adviser, Sir David King @Sir_David_King, shares his ambitious plans to tackle the global challenge of #climatechange.

bit.ly/36izj5l

#ClimateAction #ClimateRepair
#ClimateCrisis pic.twitter.com/4aJSZ6vQ4X



1 21 41

Summary of online marketing impact, comparison between 2021 and 2022. Data from 1st January – 31st December 2022

	Indicator	2021	2022	Performance improvement compared to same period 2021
Website	Number of visits to the Hub website	13,710	14,109	↑ 2.9%
	Number of new users	9740	10,672	↑ 9.6%
Twitter	Number of Twitter followers	626	752	↑ 20%

STRATEGIC PRIORITY 3:

Build connections with the wider group of stakeholders

We will reach out to and engage with a wider group of Hub stakeholders, including higher education and research institutions, political bodies, academies and the general public.

Engagement through events

We have continued to run successful webinars online, and a major benefit has been the ability to reach an international audience. So far this year, our webinars have attracted nearly 500 views across almost 40 countries around the world.



In March, we hosted an international webinar on *The Diamond Open Access Model: what impact on research?*. A joint event between Academia Europaea Cardiff, KU Leuven Libraries and the Young Academy of Europe, our panellists discussed the latest developments in Open Access publishing and what it means for researchers, research-intensive institutions, funding bodies, libraries and publishers.



In November, we brought together experts from a variety of disciplines and backgrounds to address the question, *Changing minds or changing systems to avert dangerous climate change?* Chaired by Professor Ole Petersen, Cardiff Hub Director, the webinar was co-organised between the Cardiff Hub and Academia Europaea's Environmental Taskforce.



Ole Petersen (left) unveils the blue plaque dedicated to T. Graham Brown with Darel Burdass, Chief Executive of the Physiological Society and David Paterson, President of the of the Physiological Society. Photo taken by Michael Hall.

In September, we supported the Physiological Society's *Celebrating Physiology Roadshow* which was held at Cardiff University. Hub Director Ole Petersen unveiled a plaque to neurophysiologist T. Graham Brown (1882-1965) and gave the keynote lecture.

CALIPER project: gender equality in research and innovation

As part of the CALIPER project, we are publishing a series of video interviews with inspirational women who work in STEM research and innovation. In May, CALIPER published our first video interview, with Professor Asimina Kiourti, Assistant Professor at The Ohio State University.

To further support the CALIPER project, we released an interview with board members of the Young Academy of Europe, Katalin Solymosi and Linn Leppert, discussing Equality, Diversity and Inclusion (EDI), their experiences as women in science and the importance of the CALIPER project in addressing the gender balance in STEM fields.

AE Cardiff was delighted to host the CALIPER consortium meeting in June, at Woburn House in London. Over 30 consortium partners, from across Europe, were in attendance, either in person or online. Professor Ole Petersen, as Director of AE Cardiff, opened the meeting and later hosted a dinner for the participants.

AE Cardiff, together with CALIPER and the Young Academy of Europe, had an abstract accepted for ESO2022 (EuroScience Open Forum). The session addressed challenges faced by women leaders in academia, using the Netflix comedy-drama, *The Chair* as a backdrop to the discussion.

In December, we hosted a webinar, *Inclusive research and innovation ecosystems: what works, and how do we convince our stakeholders?*, as part of our engagement work with CALIPER stakeholders. Chaired by Moniek Tromp, incoming Chair of the Young Academy of Europe (YAE), the webinar was co-organised between the AE Cardiff Hub, CALIPER and the Young Academy of Europe.



"Systemic changes are necessary, and those can only happen through national and international organisations such as the Young Academies."
– Linn Leppert



"Diversity represents a huge potential for scientific research, for decision making, and benefits the entire academic community."
– Katalin Solymosi



STRATEGIC PRIORITY 4:

Ensure future sustainability

We aim to achieve ongoing sustainability of the Cardiff Knowledge Hub.



Renewal of the SAPEA project

The SAPEA project has been renewed for a further period, from May 2022 to December 2024. Academia Europaea and the Cardiff Hub have received a UK Government funding guarantee, administered through Innovate UK. Together, we will continue to lead evidence reviews on behalf of the consortium, as well as leading the work package on strategic development.



CALIPER

In late-2021, the Cardiff Hub joined a consortium working on the Horizon 2020-funded project, CALIPER. This project supports nine research organisations, predominantly in Southern and Eastern Europe, to establish Gender Equality Plans. The Cardiff Hub is collaborating closely with the Young Academy of Europe (YAE) in leading on international communications and encouraging wider engagement with the project. To support our work in CALIPER, we were pleased to welcome our new Communications Officer, Alice Sadler, to the team.

Staffing



Academic Director
Professor Ole Petersen
CBE FLSW FMedSci FRS MAE



Knowledge Hub Manager
Louise Edwards



Executive Officer
Juliet Davies



Communications Officer
Alice Sadler
(from April 2022)



Executive Officer – Science for Policy
Rafael Carrascosa Marzo
(from December 2022)

Finance

Under the Cooperation Agreement between Academia Europaea and Cardiff University, the University meets defined salary and non-staff costs. Additional income is derived from the Cardiff Hub's two externally-funded projects, SAPEA and CALIPER.

Acknowledgements

The Cardiff Hub would like to thank colleagues of all organisations that have given us their support in 2022, in particular:

Academia Europaea, in particular members who have supported and engaged with the Hub, our colleagues across Europe and the AE Environment Taskforce

Advancing Research Impact in Society (ARIS)

APS (American Physiological Society) and *FUNCTION*

CALIPER consortium

Cardiff University, in particular the European Documentation Centre and Specialist Unit for Review Evidence (SURE)

ESOF2022

European Group on Ethics (EGE)

German National Academy of Sciences Leopoldina

Group of Chief Scientific Advisors

KU Leuven Libraries

National Technical University of Athens

Newington Design

The Physiological Society

Research Impact Canada (RIC)

Science Advice for Policy by European Academies (SAPEA)

South African Higher Education Community Engagement Forum (SAHECEF)

UKRI

Universities Policy Engagement Network (UPEN)

University of St Andrews

Welsh Higher Education Brussels (WHEB)

Woburn House

Young Academy of Europe



About Academia Europaea

Founded in 1988. Now has more than 5000 leading scientists and scholars as members, including over 80 Nobel laureates. Operates through a network of knowledge hubs in Barcelona, Bergen, Budapest, Cardiff, Munich, Tbilisi and Wroclaw.

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ACADEMIA EUROPAEA WROCLAW KNOWLEDGE HUB 2022 ACTIVITY REPORT

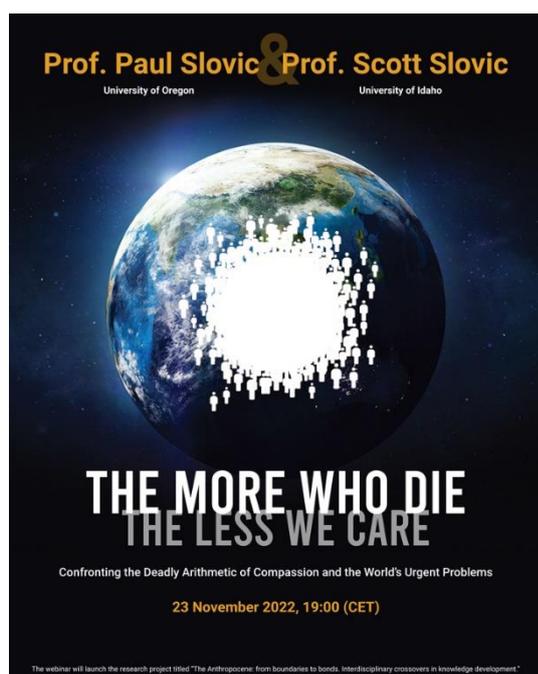
WEBINAR: THE MORE WHO DIE, THE LESS WE CARE – 23 November 2022



On 23 November 2022 **Academia Europaea Wrocław Knowledge Hub** in cooperation with **Olga Tokarczuk Ex-Centre. Academic Research Centre, The University of Wrocław, the Wrocław University of Science and Technology, Olga Tokarczuk Foundation** organised a webinar titled:

The More Who Die, the Less We Care: Confronting the Deadly Arithmetic of Compassion and the World's Urgent Problems

The lecture was given by Prof. Paul Slovic, University of Oregon, and Scott Slovic, University Distinguished Professor of Environmental Humanities at the University of Idaho.



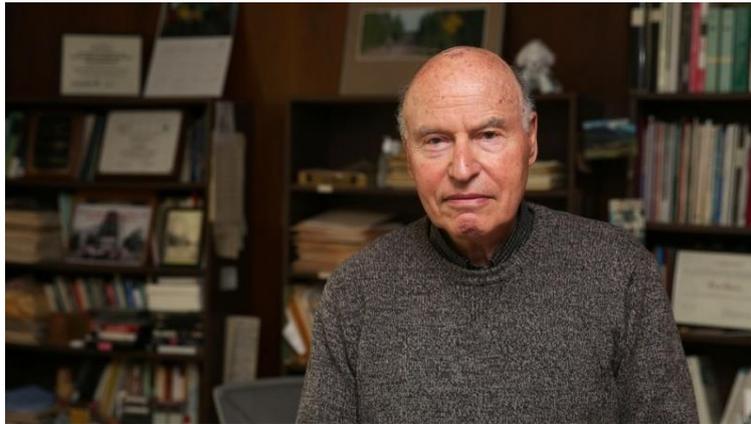
Abstract:

To help society to prevent or mitigate catastrophic losses of life, immense effort and technological sophistication are employed to assess and communicate the size and scope of such losses. This assumes that people can understand the resulting numbers and act on them appropriately. However, recent research casts doubt on this assumption. Large numbers have been found to lack meaning and to be underweighted in decisions unless they convey affect (feeling). We respond strongly to aid a single individual in need, but often ignore mass tragedies such as genocide or fail to take appropriate measures to reduce potential losses from natural disasters. As the numbers get larger, we become insensitive; numbers fail to trigger the emotion or feeling necessary to motivate action. In some cases the numbers convey a false sense of inefficacy, discouraging us from taking valuable actions we are capable of doing. Biases in decision making compound these problems, leading to actions that contradict

our stated values toward protecting lives. Failure to understand how our minds become insensitive to great losses of human life and failure to act on this knowledge increases the likelihood that we will not take appropriate actions to reduce the risks from catastrophic events associated with violence, poverty, disease, and natural disasters. Because of our insensitivity to large-scale humanitarian and environmental challenges, we must confront **the world's urgent problems with communication** strategies aimed at turning numbness into poignancy, such as the stories highlighted at www.arithmeticofcompassion.org.

The webinar was free. The video recording is available at the Hub's YouTube Channel at: <https://youtu.be/ZyBssfUsyhM?si=p8-iizrFjGcGUb5E>

Prof. Paul Slovic



Prof. Paul Slovic (Photo: University of Oregon)

In 1976, Paul Slovic co-founded the research institute Decision Research, where he currently serves as President. He has been a professor of psychology at the University of Oregon since 1986. He and his colleagues worldwide have developed methods to describe risk perceptions and measure their impacts on individuals, industry, and society. His most **recent research examines “psychic numbing” and the failure to respond to global threats** from genocide, climate change, pandemic disease, and nuclear war. He publishes extensively and serves as a consultant to industry and government. He received the 2022 Bower Award and Prize for Achievement in the Science of Decision Making, given by the Franklin Institute.

Prof. Scott Slovic



Prof. Scott Slovic (Photo: University of Idaho)

Scott Slovic is University Distinguished Professor of Environmental Humanities at the University of Idaho. He served as founding president of the Association for the Study of Literature and Environment (ASLE) in the mid-1990s, and from 1995 to 2020 he was editor-in-chief of ISLE: Interdisciplinary Studies in Literature and Environment, the central journal in the field of ecocriticism. He is the author, editor, or co-editor of thirty books, including the 2022 volumes *Nature and Literary Studies* (Cambridge University Press) and *The Bloomsbury Handbook to Medical-Environmental Humanities* (Bloomsbury Academic). He currently co-edits the book series *Routledge Studies in World Literatures and the Environment* and *Routledge Environmental Humanities*. Much of his research focuses on

how information is collected, communicated, and received in the contexts of humanitarian and environmental crises.

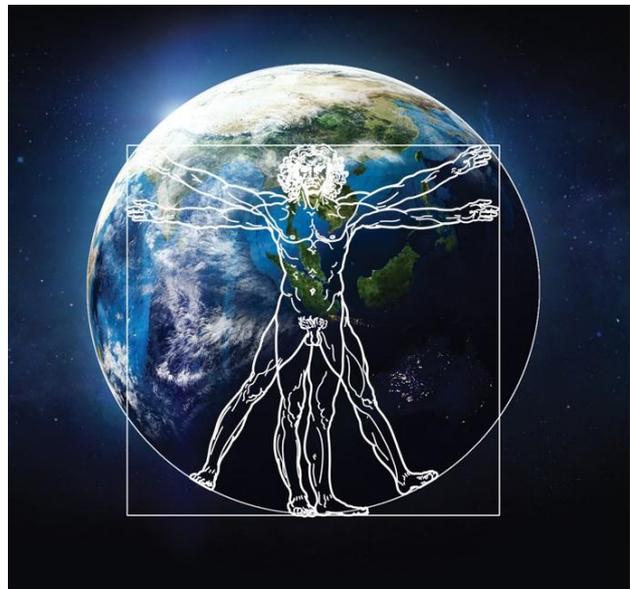
The webinar was moderated by dr. hab. Wojciech Małecki, University of Wrocław Professor.

The event launched the research project titled "The Anthropocene: from boundaries to bonds. Interdisciplinary crossovers in knowledge development." Which is described below.

THE ANTHROPOCENE: FROM BOUNDARIES TO BONDS. INTERDISCIPLINARY CROSSOVERS IN KNOWLEDGE DEVELOPMENT – PROJECT INITIATION

Project initiation description: (working version)

Our project aims to investigate the potential of inter/trans/multidisciplinary alliances in research on the Anthropocene and the importance of such disciplinary border-crossing for producing knowledge that can not only meet the challenges of the scientific kind (in simple terms, how to predict the behavior of biophysical systems if human action is the factor of change), but also be transferrable to the social sphere. The Anthropocene defies the cognitive, imaginative, affective and ethical systems underlying our perception and understanding of reality. New lexicons are needed to analyze, classify and describe the phenomenon and its dynamics. We propose to see the knowledge on/of the Anthropocene as a borderland where many turning points (crises) meet and coalesce. Such a perspective exposes the necessity to think beyond the dualisms of science/humanities (especially when we consider earth sciences and ecological humanities/ecocriticism). The project seeks spaces for mutual inspirations and new bonds between systems, methods and classes governing science and knowledge.



The efforts to formalize Anthropocene as a geological epoch are continued. The International Commission on Stratigraphy has not yet included the term in its set of chronostratigraphic units (see Stratigraphic Guide <https://stratigraphy.org/guide/>); however, the Anthropocene Working Group, assigned by the ICS the task to prove that Anthropocene is a chronostratigraphic unit, has accumulated data to present to the International Commission on Stratigraphy in 2022. <http://quaternary.stratigraphy.org/working-groups/anthropocene/>

These notwithstanding, the present geological time interval, as the AWG states, lists **phenomena representative of the current epoch: "an order-of-magnitude increase in erosion and sediment transport associated with urbanization and agriculture; marked and abrupt anthropogenic perturbations of the cycles of elements such as carbon, nitrogen, phosphorus and various metals together with new chemical compounds; environmental changes generated by these perturbations, including global warming, sea-level rise, ocean acidification and spreading oceanic 'dead zones'; rapid changes in the biosphere both on land and in the sea, as a result of habitat loss, predation, explosion of domestic animal**

populations and species invasions; and the proliferation and global dispersion of many new 'minerals' and 'rocks' including concrete, fly ash and plastics, and the myriad 'technofossils' produced from these and other materials." <http://quaternary.stratigraphy.org/working-groups/anthropocene/>

As this description shows, the Anthropocene crosses the boundary between the human and the non-human, at the same time as it violates the so-called planetary boundaries (i.e. the postulated "environmental limits within which humanity can safely operate", <https://www.science.org/doi/10.1126/science.1259855>). We would like the conference to center around this boundary-crossing character of the Anthropocene to consider not only its destabilizing impact but also the productive potential of investigating the Anthropocene dialogically – especially, what types of new bonds can emerge in place of the former distinctions.

In particular, we invite the crossing of disciplinary boundaries and intend the conference to become the platform of inter- or multidisciplinary dialogue. While expert knowledge remains at the core of examining the Anthropocene further, its resultant commitment to devise guidance for policy makers and to develop social awareness based on verified knowledge requires involvement from other fields of expertise. Scholarship tackling Anthropocene spans, apart from earth sciences, social science, the humanities, human geography, and other disciplines. By bringing together scholars from many disciplines, the seminar aims at exploring the possibility of inter- and multidisciplinary scholarly work on developing accountable knowledge that needs to be subsequently translated into social and cultural narratives. Thus, we would like the conference to be animated by the following question: *How do we cooperate across the boundaries within the academia and beyond as we strive to address the Anthropocene?*

The need to go beyond disciplinary distinctions corresponds to the overall disruptive impact that the Anthropocene has on our interpretative schemes, models of rationality and modes of affective and cognitive responding and perception. Our intellectual habits need to undergo a thorough revision in the face of the challenges the Anthropocene poses. For example, the acute rationality of modernization grounded in the mechanistic view of the earth commanded by instrumental reason has been described recently as the opposite – **as the "great derangement" driving the global coloniality (known under the name of modernity)** and testifying to our imaginative failure in the face of climate change (Amitav Ghosh, *The Great Derangement: Climate Change and the Unthinkable*, *The Nutmeg Curse: Parables for the Planet in Crisis*, 2021). This foundational contradictoriness seems to be the most durable obstacle to devising comprehensive and effective programs of rescue and restoration of the planet. At the same time, the unsettling impact of the Anthropocene often results in a void, challenging as it does the limits of commonsensical foundation of our thinking with scales and dimensions that we are unable to comprehend (acceleration of changes, unprecedented scale of impact; see Paul Slovic's and Scott Slovic's seminar launching this research project, mentioned above). New borderlands – spaces defying a clear binary division into the known and unknown, charted and uncharted, foreseeable and not, etc., are proliferating in attempts to explore the reality and the futurity of the Anthropocene. *How do we honestly confront the limits of our understanding and devise new ways of sense-making in light of (rather than despite) the Anthropocene?*

The sense of loss caused by the boundary-crossing character of the Anthropocene is not only a theoretical challenge but also a practical and political one. That Anthropocene poses an unprecedented challenge urging political action at global and local levels has been already evidenced by activists, NGOs, political groups and researchers across the world. Governance models so far have been involved in the crucial conflict between the harshness of data forecasting catastrophic scenarios and the fear to decrease consumption that depletes resources and has detrimental impact on the environment. *How do we create new ways of relating (intra- and interspecies) and turn the shattering experience of boundary-crossing into active bond-making? In brief, how to develop ethics of care grounded in*

earthbound relationality?

We want to explore what narratives are being developed to provide viable resolutions at the level of politics and governance, including institutions for educating the society and expanding the civic sense of responsibility and new planetary awareness? What new lexicons are being developed to accommodate the cognitive, ethical and ontological challenges of the planet in crisis? What new forms of thinking and telling do we need to create a new semiotics of crisis, catastrophe, accountability and agency that cannot be contained within the known parameters of human mastery of the earth? *How to develop a sustainability science and operate a decolonial knowledge based on thinking of ecology as reciprocity?*

Organisers:



The topics and questions below, by no means exhausting the range of concerns, demonstrate an intrinsic inter- and multidisciplinary trait in the scholarship on the Anthropocene.

Organisers encouraged contributions which reflect the dialogism of the Anthropocene research across disciplines:

- The global history of colonial modernity – fossil fuels and earthly materials and their role in creating the geopolitics of modernity and/as capitalism
- **Socialist modernization models as “great derangement”**
- Geopolitics of modernization: socialism and capitalism
- Extractivism as a development model and its consequences
- Anthropocene(s) in critical thought and cultural narratives:
- Anthropocene as a cultural reality (self-conscious Anthropocene)
- Good Anthropocene in ecomodernist thought
- Anthropocene and Capitalocene as co-dependents
- Social temporalities (political, cultural, etc.) and planetary (geological) temporalities
- Apocalyptic narratives of post-derangement world – the realm of fantasy or prophetic realism?
- The resilience and vulnerability of the non-human forces vis-à-vis human actors
- Social narratives promoting the programs of climate care: forms of intervention, the appealing value, viability of plans, translationality of premises, the role of art in imagining better futures, art in response to the Anthropocene.
- Cartographies of Anthropocene-generated displacements
- Local struggles and resilience: decarbonization, grassroots practices of sustainability
- Fossil fuels transformation policies in global and local contexts: coal and energy transformation programs, energyscapes
- Indigenous knowledges as models for sustainability and environmental justice struggles
- Planetarity of ecological imagination and thought vs. globalism of consumer markets.
- The post-human as a factor in conceptualizing the future in social and human sciences
- **New ontologies: ecological catastrophe as an example of “hyperobjects”; materials and their processes; interdependencies of life and non-life; non-human (more than human) agencies and the possibilities of new relationality for the human and the non-human, ecological ontologies.**

- How does disciplinary border crossing inform and enhance knowledge of the Anthropocene?

8 December 2022: closed workshop of the Organising Committee

The seminar on 8 December 2022 (Wrocław, Poland) was designed as a one-day event initiating *The Anthropocene – from boundaries to bonds* conference, planned for 19-20 October 2023. Apart from the research part of the seminar, the Organizing Committee had a chance to coordinate further work on the project.

During the first section of the meeting, members of the Organizing Committee were asked to give short presentations on what their research interests in the Anthropocene; during the second section they worked on the conference call.



GRANTS FOR REFUGEES FROM UKRAINE – 4 OCTOBER 2022

The Academy donated the 2022 resources from Hubert Curien Initiatives Fund to support Ukrainians by preparing 12 grants for Ukrainian researchers and scholars who were forced to leave their country due to Russian aggression. Financial donations addressed refugees forced to abandon their workplaces, scientific careers, projects and research.



The Academia Europaea Wrocław Knowledge Hub received almost 250 applications for financial support intended for purchasing equipment essential to continue scientific duties in the new circumstances.

Hubert Curien Initiatives Fund is a grant system whose purpose is to undertake projects and activities that benefit the academic community and create new initiatives that result in the advancement of scholarship and knowledge. The special committee annually grants seed money for the initiatives undertaken by AE Sections. With the ravaging war in Ukraine and the situation of refugees in mind, the AE Board of Trustees decided to donate resources to support those academics who settled in the neighbouring countries. The Wrocław Hub channels the expenses to support Ukrainians in need.



ACADEMIA EUROPAEA
HUBERT CURIEN FUND

The offered donation was a limited, one-time financial support of 3.000,00 PLN per person, with an indication towards purchasing work tools (laptops, programs, etc.). The application was based on personal details and previous employment confirmation (academic institutions). The procedure was simple (not a competition).

F u n d a c j a
manus

The financial operator of the whole process was the foundation *Fundacja MANUS* – the partner of the Wrocław Hub.

Following the decision of the AE Board of Trustees, taken after the completion of the first tranche, about donating further resources, the Hub started preparations to start transferring the second set of grants.

TOWARDS DEVELOPMENT OF MEDIATIZATION RESEARCH VI: MEDIATIZATION OF WAR – 9 DECEMBER 2022

Continuing research meetings focused on specific issues of mediatization research chaired by eminent experts (Göran Bolin (2017), Johan Fornäs (2018), Andreas Hepp (2019), Mark Deuze (2020) André Jansson (2021)), the workshop in 2022 took place online on the 9 December 2022 and was led by Professor Andrew Hoskins, University of Glasgow.

The title of this year's edition was: Mediatization of War

Organisers:



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THE ACADEMY OF EUROPE
WROCLAW KNOWLEDGE HUB



**Wrocław
Academic
Hub**

The workshop gathered mediatization researchers who wished to discuss their own research projects in a narrow and closed group of media scholars under the guidance of an expert. There was no conference fee.

The 2022 workshop was dedicated to such topics as:

- Mediatization of war, invasion, armed conflict

- Mediatization of war refugees and humanitarian crisis
- Mediating the politics of war: manipulation, propaganda, and persuasion
- The importance of cyber warfare in mediatization
- Between mediatization of military, economy and culture
- Looping crises and their mediatization: war, pandemic, environment, markets
- The relationship between data, attention and control in contemporary war
- The gathering and potential (mis)use of open source information in shaping perceptions, and the memory and forgetting of war, and in pursuing the prosecution of war crimes
- The idea and format of the meeting was based on a closed specialization workshop in a formula proven in the previous editions, i.e.:
- participants work on different types of materials (articles, works in progress, proposals, theses, reports, drafts etc.) under the guidance of the expert;
- meeting is preceded by substantive preparation by the expert and all participants on the basis of materials circulated among all participants in advance;
- during the meeting all participants focus on group discussion and expert feedback (presentations and speeches are limited to a minimum);
- seminar is preceded by an introductory lecture by the leader.

Schedule:

- [15.10.2022] – submissions of proposals
- [31.10.2022] – notification of acceptance of proposals
- [28.11.2022] – submission of materials for discussion (only pdf format is accepted)
- [29.11-1.12.2022] – preparation for the workshop by the leader and all participants
- [9.12.2022] – closed online workshop (Google Meets will be used)



Academia Europaea
Wrocław Knowledge Hub

Institute of Social Communication
and Media Studies,
Maria Curie-Skłodowska
University in Lublin, Poland

Wrocław
Academic Hub

Photo: Daniel Berehulak

**OPEN LECTURE AS PART OF THE WORKSHOP
TOWARDS DEVELOPMENT OF MEDIATIZATION RESEARCH VI:
MEDIATIZATION OF WAR**

**"THE WAR FEED:
WAR IN PLAIN SIGHT"**

PROF. ANDREW HOSKING, UNIVERSITY OF GLASGOW

9TH DECEMBER 2022 (FRIDAY) 9-30 CET

<https://meet.google.com/xeu-syzi-ifm>



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WCA Wrocław
Academic
Hub

The publication, following the workshop, will be supported financially by the Academia Europaea Wrocław Knowledge Hub in 2023.

POLISH AE MEMBERS MEETING – 14 DECEMBER 2022

On 14 December Academia Europaea **Wrocław Knowledge Hub** hosted a meeting of the Academia Europaea Members from Poland.

The meeting took place at the University of Science and Technology. The agenda included the presentation of new members of Academia from Poland, as well as the discussion on best practices, initiatives, future strategy and ideas for the new undertakings to be developed in cooperation with the Hub.



ADMINISTRATIVE & BRANDING SUPPORT

- Support to nomination process
 - preparing the lists of the nominees
 - preparing and sending welcome packs (c.a. 450)
- Production of promotional materials: leaflets, Directories, etc.



Academia Europaea Bergen Knowledge Hub

Annual Report 2022

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Introduction

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

Dear all,

The Bergen Hub is pleased to present our annual report for 2022. A year where most parts of the world emerged from the grips of the pandemic and could return to a new normal. This positive development, much due to vaccine breakthroughs, international cooperation and many strong institutions, was however quickly overshadowed by the shockingly brutal Russian invasion of Ukraine. In addition to all the death, trauma and destruction, the war has unforeseen consequences on global energy supply and prices, food production and inflation.

Both the war and the sanctions also deeply affect academic life and collaboration. Longstanding cooperation, academic friendships and important scientific data series is terminated or withering. The war will surely affect both human lives, international cooperation and the academic world significantly throughout 2023 and for many years to come.

Due to the termination of covid-restrictions, our Hub was able to increase our activities in 2022 compared to the previous years, and we hope for even more person-to-person meetings and activities in 2023.

Science has for many decades played an important role in collaboration and lowering of geopolitical tensions in the Arctic, for instance during the cold war. This is however not the case now. The war has led to a suspension of work in the Arctic Council, and loss of access to scientific data and observations of key importance for monitoring the strong changes in Arctic climate. Our Hub has an ongoing project of investigating this dangerous development, and in a couple of months we plan to release a special report on the current status of Arctic science and science diplomacy. As part of this project, we recently organised a well-attended high-level side event on the topic at the Arctic Frontiers conference in February.

In 2021 Academia Europaea established a Task Force to provide plans for extending its visibility in the areas of Environment, Climate and Sustainability under the leadership of Professor Verena Winiwarter from Vienna. The Bergen Hub supported the Task Force on behalf of Academia Europaea. Academia Europaea has now established a permanent working group to follow up on the recommendations from the Task Force. As a member of this working group, I hope that we can engage a high number of eminent scholars from the AE membership to take part in future activities. Stay tuned for more activities here! The AE Barcelona Hub will likely coordinate these activities.

In 2022 our Hub signed an agreement with the Young Academy of Europe to assist in some of their administrative tasks. The Young Academy and the voice of young scholars are critical for the future of European research, and we are pleased to offer help.



Academic Director of the AE-Bergen Knowledge Hub, Eystein Jansen.

you in upcoming activities. We still have a way to go in ensuring that the leading scholars from our region become AE members, and I would also like to see a more gender and age-balanced membership.

I am a strong supporter of scientific excellence and the key importance of curiosity driven frontier research. The ERC is a remarkably successful premier funder of such research. Until the end of 2025 I will serve as Vice-President for the Physical Sciences and Engineering Domain of the ERC, in combination with my AE duties. Despite all the uncertainty we experience, I really do hope that the importance of basic science will rightfully be acknowledged in Europe. Our future as a prosperous region will very much depend on the creative minds of scientists who can express and pursue their best ideas in freedom. Thus, the missions of AE and ERC have a lot in common.

In summing up 2022 I would like to thank the Hub-staff, Kristin and Nils Olav for their hard work, dedication and support in 2022. I know this is much appreciated across the academy.

(Bergen, March 2023)

In September we were visited by Sierd Cloetingh, previous AE president and crucial for establishing the AE Bergen Hub. During his visit we could tap into his expertise both in Earth Science and Science Advice for Policy through both guest lectures and a workshop. Earlier in 2022 we were visited by the Abel Prize laureate Laszlo Lovacs. He is also Academic Director of the AE Budapest Hub and we had the opportunity to discuss potential Hub-to-Hub collaboration, an area that AE aims to strengthen.

In 2022 Academia Europaea got 47 new members from our Nordic-Baltic region. I wish all new members warmly welcome and hope to see many of

Our Mission

Our Hub aims to be a catalyst for collaboration, knowledge exchange and ideas to:

- Engage research and scholarship with policymaking in Europe and in the Nordic and Baltic Regions, on behalf of Academia Europaea and in close collaboration with national academies of the region.
- Promote excellent research from and about the Nordic and Baltic Region, its surrounding seas, and the Arctic with emphasis on marine and maritime research, sustainability, and the Nordic social model, through scholarly workshops and public events.
- Demonstrate the importance of scientific scholarship and maximise engagement with our members, policymakers, private and public entities and the wider public.
- Stimulate scientists to accomplish stringent and unequivocal communication and interaction with decision makers, media, and the public.

Our main strategic priorities

Our major framing perspectives are marine and Arctic issues, our cooperation with SAPEA (Scientific Advice for Policy by European Academies), and advocacy for establishing independent national science advice mechanisms throughout our region. Our hub will promote sustainability issues including the UN Sustainable Development Goals (SDGs), emphasizing sustainable use of the ocean and marine resources, climate change, energy transformation and policies for the development of governance and welfare, as well as promoting the arctic as a military low-tension area.

We emphasize the importance of collaborative efforts from scholars from the natural sciences, the social sciences, and the humanities, to solve major human challenges.

Our Strategic Plan runs from 2021 to 2024. A more thorough outline of the strategic areas of the AE-Bergen Hub, can be found in the [Strategic Plan](#). A concentrated version is found below:

Strategic areas for the AE-Bergen Hub

Area 1 - Science-policy interface

We aim to contribute to evidence reports for science-policy interactions, including to propose future SAPEA topics, and to promote science advice and science diplomacy in general. The Hub will advocate independent national science advice mechanisms, comparable to the EUs' Science Advice Mechanism (SAM). Our advocacy for establishing national independent scientific advice mechanism, will primarily focus on the need for processes providing independent and transdisciplinary scientific/knowledge-based reviews, and to clearly separate such reviews from political recommendations.

As outlined in our Strategy Plan, we will organize debates and dialogues on scientific topics relevant to policymaking. We will engage with SAPEA and EU's Scientific Advice Mechanism (SAM), including nomination of candidates to SAPEA activities. In addition, we will engage with national mechanisms for science advice to policymakers in our region. We will continue as an active partner of the multi-stakeholder forum Arctic Frontiers.



Area 2 – Promote and showcase excellent research and scholarship

We will promote and showcase research and scientific excellence within our region and beyond, through various events and communication channels, engaging with our membership base and members of the Young Academy of Europe in our region. We will pose critical research-based questions, contribute to scientific debates, and illuminate scientific breakthroughs and outcomes from meetings and conferences.

From 2021 we have co-organised science lectures with UiB's Horizon lecture series on a regular basis, highlighting excellent research on cross-disciplinary issues for a broad science-interested public. We also co-organise events with the Bergen programme-committee of the Norwegian Academy of Technological Sciences (NTVA).

Area 3 –Visibility and regional engagement

We will increase our visibility in the region and strengthen our engagement with relevant actors and communities (private, public and NGOs). To fulfill our mission, we aim to further develop the Hub's portfolio of activities and sponsorships at the intersection of science and the wider society.

By sharing publications and reports, news items and interviews, we aim to make our website an engaging showcase of our activities and engagements. We will establish and update a calendar of activities and events, aiming to attract a broad audience from the academic, public, and private sectors. In addition to in-person events, we will communicate broadly through webinars, our website, newsletters, and social media channels. We will participate in relevant local forums and arenas that match our priorities, both to increase our visibility and to actively seek collaboration with others.

Area 4 - Cooperation with national academies in our region and the other AE Hubs in Europe

We aim to establish good connections to the national academies of our region. In this endeavour we will emphasize AE's strengths in science advice for policy, its pan-European perspectives, and strong connections to leading European research institutions e.g., the European Research Council, in addition to the thematic areas of our Hub. We aim to strengthen the interaction between academic communities across Europe, starting with collaboration with other AE Hubs. We will engage in inter-Hub meetings to discuss possibilities for e.g., joint events, activities, mutual learning and sharing of resources.



At the 2022 Rosendal Week (August 7th-9th). Following the presentation from Eystein Jansen, a discussion was held between him and the Norwegian minister of climate and environment, Espen Barth Eide, moderated by Bergens Tidende's Editor-in-Chief Frøy Gudbrandsen.

ACTIVITIES IN 2022 - HIGHLIGHTS

January and February

- AE-Bergen was highly involved in the Academia Europaea Task Force on Environment, Climate and Sustainability. Our Academic Director Eystein Jansen was part of the Task Force and our Hub Manager Kristin Bakken provided administrative and technical support for the group. The support included implementing a survey among AE members. The aim of the survey was to identify critical questions as well as expertise on sustainability issues within the AE membership. The Task Force group started its work in the autumn of 2021 and completed its work in February 2022. [More information about the Task Force and its recommendations can be found here.](#)

March

- AE-Bergen was co-organizer, along with Norce, NTVA, and the County Governor of Vestland County of a webinar on Biodegradability of plastics in the open environment, an outreach activity related to the SAPEA Evidence Report on the topic of biodegradable plastics. Keynote speaker at the webinar was NORCE scientist Gunhild Bødtker, a member of the SAPEA working group.



Keynote speaker at the *Biodegradability of plastics in the open environment* webinar, NORCE scientist Gunhild Bødtker, also a member of the SAPEA working group on the topic.

April

- AE-Bergen co-organised a Darwin Day & Horizon lecture, April 25th: Professor Yadvinder Malhi examined human influence on the natural world through the concept of metabolism. How much energy flows through human societies compared to how much flows through the biosphere. Malhi explored the

metabolic profile of a modern industrialised country (the UK) in detail, looking into possible pathways of how to navigate a sustainable future on a human-dominated planet.

[A recording of the event is available on the AE-Bergen website.](#)



Darwin Day & Horizon lecture speaker: Professor Yadvinder Malhi.

- AE-Bergen continued our involvement as co-organiser of a well-established meeting series together with the Bergen offices of the Norwegian Academy of Technological Sciences (NTVA Bergen) and The Norwegian Society of Graduate Technical and Scientific Professionals (Tekna Bergen), with the first meeting in 2022 of this series on April 27th. The topic was battery technologies. Professor Lars Egil Helseth was the main speaker, focusing on new possibilities arising from lithium-ion batteries.

May

- On May 9th, AE-Bergen organized a side event at the Arctic Frontiers Conference 2022 on seabed minerals: *Race to the (seabed) bottom – realities and sustainability dilemmas in the demand for minerals*. Speakers representing industry professionals, environmental groups, and the geoscience community discussed topics like: Does the Green Shift really need deep-sea minerals, and can deep-sea mineral extraction be sustainable enough to be justified? [A recording of the event is available on the AE-Bergen website.](#)

- As part of the AE-Bergen/NTVA Bergen/Tekna Bergen lecture series, a meeting was held on carbon capture and the role of petroleum in the green transition on May 24th. Lectures were given by Professor Martin Fernø (UiB) and Research Leader Sarah Eileen Gasda (NORCE), and Martin Fernø guided an CO₂ storage exhibition at The University Museum of Bergen.
- László Lovász, the Academic Director of our sister AE Hub in Budapest, visited Bergen in connection with his trip to Norway for receiving his (pandemic-delayed) 2021 Abel Prize, awarded jointly with Avi Wigderson. Opportunities for cooperation between our Hubs were discussed during a meeting on May 29th.

June

- AE-Bergen initiated a project to investigate the status and prospects of Arctic science and science diplomacy in light of the Russian war against Ukraine. Political scientist Ole Øvretveit is engaged as project leader. The project is expected to result in a report and several debates and outreach events. The first outcome has been a side event at the 2023 Arctic Frontiers Conference in Tromsø (more information below).
- AE-Bergen held meetings with both our Advisory Board and Steering Group in June 2022. For the Bergen based Steering Group it was finally possible to have a physical meeting on June 16th, after only virtual meetings during the pandemic. For the Advisory Board, with members from the Nordic and Baltic region, there was a virtual meeting on June 17th.



The AE-Bergen Hub Steering Group.

August

- Academic Director Eystein Jansen presented key findings in the latest 3 IPCC Assessment reports of its 6th Assessment round at the 2022 Rosendal Week (August 7th-9th), a regional conference in Western Norway focusing on climate change, energy transitions, green initiatives, and sustainability. Following the presentation from Eystein Jansen, a discussion was held between him and the Norwegian minister of climate and environment, Espen Barth Eide, moderated by Bergens Tidende's (the biggest newspaper in Western Norway) Editor-in-Chief Frøy Gudbrandsen. [More information can be found here.](#)



Former president of Academia Europaea, Professor Sierd Cloetingh, visited the University of Bergen in September.

September

- Former president of Academia Europaea, Professor Sierd Cloetingh, visited the University of Bergen September 4th-6th. In addition to a lecture and workshop with researchers from his own field of Earth Science, Sierd Cloetingh gave a lecture on European cooperation in science, innovation, and policy advice co-organized by AE-Bergen and the Centre for the Study of the Sciences and the Humanities. [More information can be found here.](#)
- AE-Bergen formalized an agreement to supply the Young Academy of Europe (YAE) with administrative and communications support, signing an MoU (Eystein Jansen for AE-Bergen,



AE-Bergen's Academic Director Eystein Jansen (centre) being congratulated with his Vice Presidency of the European Research Council (ERC), by UiB colleagues Øyvind Frette (left) and Atle Rotevatn (right).

Barcelona October 26th-27th. A Hub presentation was given at the connected Annual Business Meeting (AGM) of Members by Kristin Bakken.

- AE-Bergen's Academic Director Eystein Jansen was elected Vice President of the European Research Council (ERC) for the Physical Sciences and Engineering domains on October 27th, serving until the end of 2025 alongside Co-Vice Presidents Jesper Svejstrup and Eveline Crone. More information can be found [here](#).

November

- At the annual Bergen meeting of The Norwegian Academy of Science and Letters on November 3rd, Academic Director Eystein Jansen moderated a panel debate following the keynote of Professor Christoph Heinze (UiB) on *The triple blow and how one can try to address it: ocean warming, acidification, and deoxygenation*. Professor Tor Eldevik and Professor Anna Nele Meckler gave comments to the keynote and participated in the panel. Recording of the meeting including the keynote (only the keynote is in English) [can be found here](#).

- As part of our lecture series co-hosted with NTVVA Bergen and Tekna Bergen, a meeting on the development and use of new sustainable bioresources in fish farming, with a particular look at Norwegian fish feed, was held on November 22nd. Lectures were given by Dr. Ernst Hevrøy (Senior Product Development Manager, Mowi Feed) and Dr. Tor Andreas Samuelsen (Senior Scientist, Nofima AS).

December

- Our proposed side event for the Arctic Frontiers Conference 2023 Moving North, *The Future of Arctic Science and Science Diplomacy* was officially accepted and included in the conference program.

Gemma Modinos for YAE], during a zoom meeting on September 13th. Our hub will contribute to web updates and newsletters, as well as sending fee reminders to YAE members.

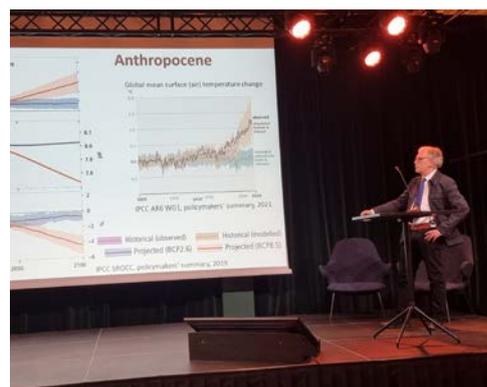
October

- As part of our lecture series co-hosted with NTVVA Bergen and Tekna Bergen, a lecture was held October 4th on diagnostics and treatment of serious diseases affecting the central nervous system. The lecture was given by Professor Charalampos Tzoulis of the Neuro-SysMed Center.

- Hub Manager Kristin Bakken and Communications Adviser Nils Olav Sæverås participated at the 33rd Annual Conference of Academia Europaea in



Hub Manager Kristin Bakken (right) held a presentation of the AE-Bergen Hub during the 33rd Annual Conference of Academia Europaea in Barcelona. To the left AE President Marja Makarow and Executive Secretary David Coates.



At the annual Bergen meeting of The Norwegian Academy of Science and Letters on November 3rd, the keynote speech from Professor Christoph Heinze (UiB).

Selected highlights from early 2023

- A meeting between the staff of AE-Bergen and Young Academy of Europe (YAE) Board members was held on January 16th. This was the first meeting between AE-Bergen and YAE after the new YAE Board members were elected in October 2022. The meeting included discussion of specifics of the AE-Bergen support to the YAE.
- On February 3rd, AE-Bergen co-organised a well-attended side event at the Arctic Frontiers Conference 2023 Moving North, in Tromsø. The event *The Future of Arctic Science and Science Diplomacy*, included a panel of major stakeholders of research, research policy and politics concerning the Arctic. The event was part of AE-Bergen's investigation on the status and prospects of Arctic science and science diplomacy in light of the Russian war against Ukraine. The event illuminated grave examples of how long-standing Arctic cooperation, academic friendships and scientific observational data have been terminated or are rapidly withering due to both the war, the sanctions against Russian institutions and the freeze of science diplomacy efforts. The other organisers were University of Bergen, The Norwegian Polar Institute, The Norwegian Academy of Science and Letters (DNVA) and the University of Tromsø. The event



On February 3rd 2023, AE-Bergen co-organised a well-attended side event at the Arctic Frontiers Conference Moving North, in Tromsø. Ole Øvretveit, Manager of Arctic Science Diplomacy project, chaired the event.

was chaired by Ole Øvretveit, Manager of Arctic Science diplomacy project, AE-Bergen. The speakers/panelists were Dag Rune Olsen (Rector, University of Tromsø), Lise Øvreås (President of The Norwegian Academy of Science and Letters), Ole Arve Misund (Executive Director, Norwegian Polar Institute), Nicole Biebow (Chair of The European Polar Board//Alfred Wegener Institute), Ole Øvretveit (project leader of AE-Bergens Arctic project), Eystein Jansen (Vice President, European Research Council), Mike Sfraga (Chair of the US Arctic Research Commission), Clara Ganslandt (Special Envoy for Arctic Matters to the EU), Petteri Vuorimäki (Finland's Ambassador for Arctic Affairs) and Lars Kullerud (President, UArctic). More information [can be found here](#) (including a recording of the event). Following the event, an opinion piece by Eystein Jansen, Ole Øvretveit and Lise Øvreås have been published [Nordlys](#) (Norther's Norway's biggest newspaper) and in [Khrono](#) (the website of Norwegian higher education).

- AE-Bergen co-organised a Darwin Day & Horizon lecture, February 13th: Professor in medicine Jarle Breivik explored the evolutionary logic of cancer under the title *Making Sense of Cancer: In* this lecture, Breivik drew lines from the evolution of the species, through embryologic development, to aging and malignant transformation. What will it take to get rid of cancer? Should society rather learn to live with it? [More information can be found here](#).
- As part of our lecture series co-hosted with NTVÅ Bergen and Tekna Bergen, a meeting on nuclear power and sustainability was held on February 14th. Lectures were given by Professor Jan Petter Hansen (UiB/NHH) and Niels Berger (CFO) from ThorCon (thorconpower.com).

History and organisation

Academia Europaea (AE), or The Academy of Europe, is a Pan-European non-for-profit company association of individual scientists and scholars established in 1988. The members are experts and leaders in their own subject areas as recognized by their peers. The Young Academy of Europe (YAE) is independent but affiliated to Academia Europaea.

Academia Europaea operates through its sections and disciplinary classes, but also through a network of regional knowledge hubs, so far in Barcelona, Cardiff, Wroclaw, Bergen, Tbilisi, Munich, and Budapest. The Budapest Hub is hosted by the Hungarian Academy of Sciences, established in December 2020 to support academics, scholars, and independent research in Hungary, facing a challenging political environment.

The AE-Bergen Hub was established in 2014 and hosted by The University of Bergen (UiB) from 2016. UiB sponsors the running of the Hub, including qualified personnel, appropriate spaces and services for its correct operation and full functioning. AE-Bergen is headed by an Academic Director appointed by UiB, currently AE member (MAE) professor Eystein Jansen (from 2018). The cooperation agreement between AE and UiB states that the Academic Director, an Advisory Board, and a Steering Group shall ensure strategic direction and activities in line with AE's purpose and the intentions of the agreement. The contract between AE and UiB was renewed on May 25th 2021, ensuring that UiB will host and provide facilities and personnel for the running of the AE-Bergen Hub until 2025.

Academic Director and Hub Administration of AE-Bergen



Academic Director

Professor Eystein Jansen

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Hub Manager

Kristin Bakken

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Communication Adviser

Nils Olav Sæverås

Nils.severas@uib.no (part time dedication)

AE-Bergen office and contact

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E-mail: AEbergen@uib.no

Website: <https://aebergen.w.uib.no>

Advisory **Board** members in 2022

- Margareth Hagen; Chair, Rector and Professor, University of Bergen, Norway (Italian Literature)
- Erland Källén; MAE, Professor, University of Stockholm, Sweden (Meteorology/Climate)
- Kirsten Drotner; MAE, Professor, University of Southern Denmark, (Media)
- Carl G. Gahmberg; MAE, Professor Emeritus, University of Helsinki, Finland (Molecular and Integrative Biosciences)
- Björn Wittrock; MAE, Professor Emeritus, Uppsala University and Vice President AE
- Jüri Allik; MAE; Univ. of Tartu, Estonia (Psychology)
- Ole Arve Misund; MAE, Director/Professor Tromsø (Marine and fisheries biology)
- Martin Fernø; MYAE, Professor, University of Bergen (Physics)

Steering Group members in 2022

- Kjersti Fløttum; MAE, Univ. Bergen (Linguistics)
- Petter Bjørstad; MAE, Univ. Bergen (Informatics)
- Dieter Roerich; MAE, Univ. Bergen (Physics)
- Marit Warncke, CEO Bergen Chamber of Commerce and Industry
- Svein Sundby, MAE, Professor, Institute for Marine Research, Bergen (Oceanography)
- Anne Gro Salvanes, MAE, Professor, Univ. of Bergen (Marine biology)
- Dag L. Aksnes; MAE, Professor, Univ. of Bergen (Marine biology)
- Sigrid Eskeland Schütz; Professor Univ. of Bergen (Law)
- Matthias Kaiser; Professor, Univ. of Bergen (Philosophy of science)
- Stein Kuhnle; MAE, Professor, Univ. of Bergen (Political science)
- Jessica Jewell; Research scholar/Assoc. prof., Chalmers Univ/UiB (Energy and Political science)
- Ole Øvretveit, Project manager, Pilot Digital Coast,

Terms of reference (TOR) for the Advisory Board

- Formulate an overall strategy for the Hub
- Provide input to the strategic and annual plans of the Hub in terms of meetings, discussions, and events.
- Ensure the development of science advice for policy within the Nordic/Baltic political context.
- Ensure that the Hub is visible and has activities on a Nordic/Baltic scale, including engagement in activities outside of the Bergen region.
- Provide links with international and national academic networks.
- Provide links to AE members and academic environments in the Nordic/Baltic Region and activate these in Hub activities.

Terms of reference (TOR) for the Steering Group

- Develop strategic and annual plans together with the Academic Director and the Hub management team.
- Develop collaborations and broad linkages with the society of Bergen and Western Norway, such as: The regional academic institutions and research environments, regional and municipal authorities and their organisations, regional industry, business environments and industry clusters and the public.
- Link high level academic scholarship with key societal issues, e.g. through the SDGs.
- Stimulate knowledge-based policy development, and actively pursue science for policy options on the national and European levels through existing science for policy mechanisms and other activities, as well as taking part in nominating suitable candidates for such tasks.
- Establish scoping processes to identify policy challenges at the regional, national and/or the European levels that can be enlightened by scientific evidence and advice.
- Propose engagements and opportunities for the Hub in terms of conferences and public events.
- Provide links with international and national academic networks.



AE-Bergen was highly involved in the Academia Europaea Task Force on Environment, Climate and Sustainability. Our Academic Director Eystein Jansen was part of the Task Force and our Hub Manager Kristin Bakken provided administrative and technical support for the group. The Task Force group started its work in the autumn of 2021 and completed its work in February 2022. The recommendation of The Task Force to establish a Permanent Working Group (PWGESG), was taken up during the Annual Conference in Barcelona, in a presentation by MAEs Peter Wagner, Jane Hill, Patricia Holm and Paul Holm.



THE ACADEMY OF EUROPE
BERGEN KNOWLEDGE HUB

Hosted by



UNIVERSITY OF BERGEN

Visiting address: Realfagbygget (Science building) The Faculty of Mathematics and Natural Sciences, Allégaten 41, ground floor, Bergen.

Postal address: Academia Europaea Bergen Knowledge Hub, UiB,
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Academia Europaea
Tbilisi Knowledge Hub

2022

**ANNUAL
REPORT**

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www.aetbilisihub.org

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Organization

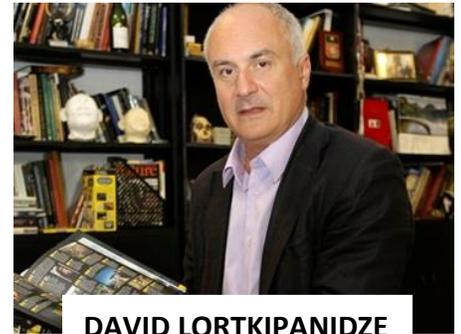
The *AE* Tbilisi Knowledge Hub is operating since 2019 and is hosted by Tbilisi State University. It is headed by an Academic Director, currently David Prangishvili MAE, appointed by the Rector of the Tbilisi State University. The Academic Director and the Advisory Board ensure the strategic direction and activities of the Hub.



ALEXANDER TSISKARIDZE



BEZHAN TCHANKVETADZE



DAVID LORTKIPANIDZE



DAVID PRANGISHVILI



EVA KONDOROSI



GEORGE GEGELASHVILI



GEORGE SHARVASHIDZE



KATE TCHANTURIA



MERAB KOKAIA



MIKHEIL CHKHENKELI



SIERD CLOETINGH



ZAAL KOKAIA



ZAZA SKHIRTLDADZE

Distinguished Seminar Series

“Crossroads”

On January 26, 2022 the seminar entitled *“Wall Paintings of the Church of Saint Nicholas in Kintsvisi”* was held with the announcement of **Prof. Zaza Skhirtladze** (MAE, Ivane Javakhishvili Tbilisi State University) and with the participation of **Prof. Mariam Didebulidze** (Project coordinator of the Georgian Cultural Heritage Protection Fund, Chief Scientist of George Chubinashvili National Research Centre for Georgian Art History and Heritage Preservation).

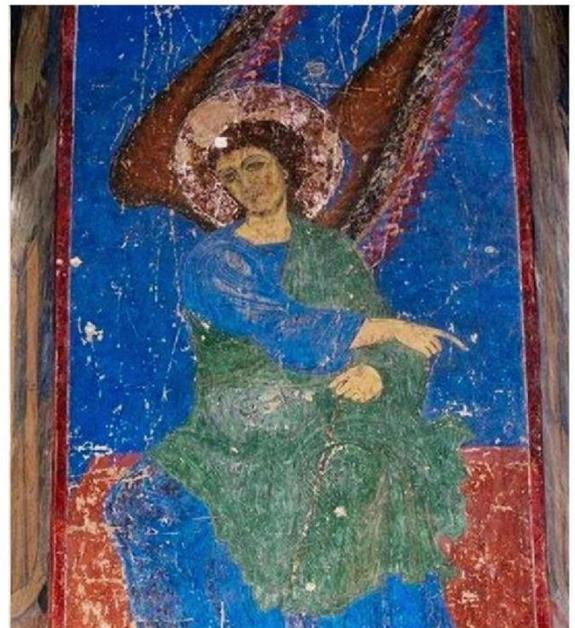
At the seminar **Prof. Mariam Didebulidze** analyzed the frescoes of the temple of St. Nicholas in Kintsvisi and along with it, she described the cultural processes taking place in contemporary Georgia.

Wall painting of the Church of St. Nicholas in Kintsvisi

January 26, 2022
Wednesday

Speakers:

Prof. Zaza Skhirtladze
Prof. Mariam Didibulidze

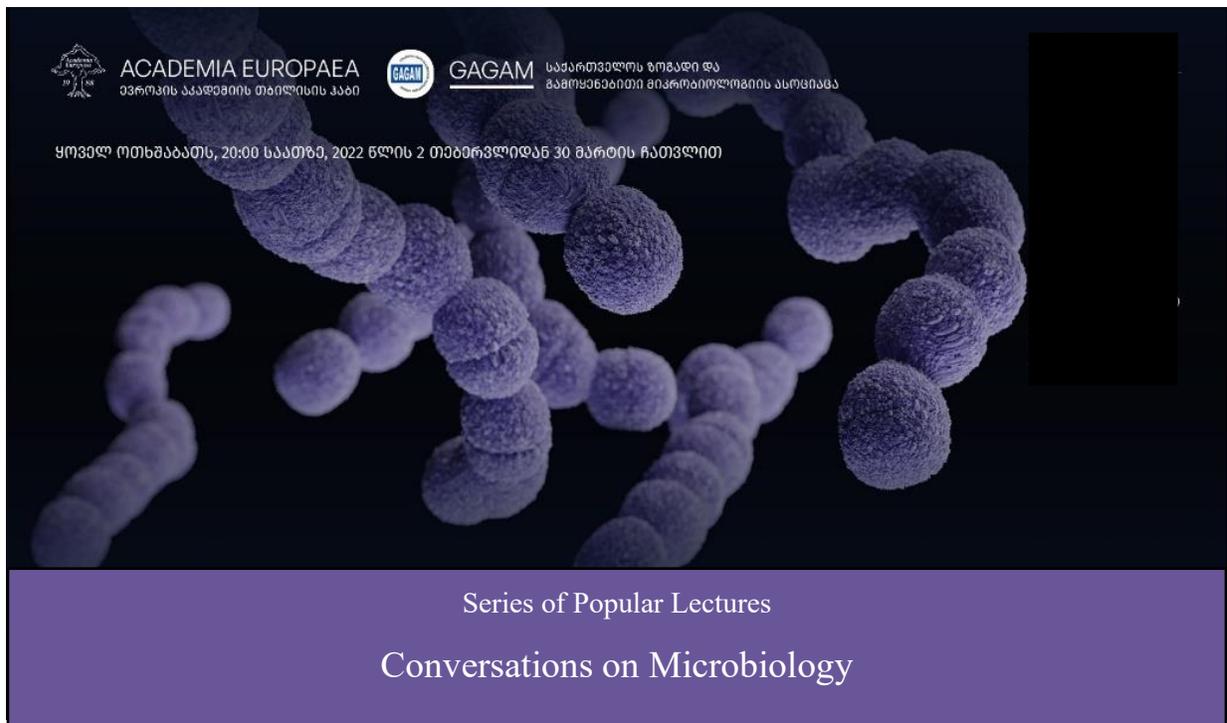


Distinguished Seminar Series
The Crossroads

Series of Popular Lectures

“Conversations on Microbiology”

For promotion scientific research, knowledge and education **AE Tbilisi Knowledge Hub** in collaboration with **Georgian Association for General and Applied Microbiology** has established **“A series of popular lectures: *Conversations on Microbiology*”**, which was intended for secondary school students and their parents, as well as for the general public interested in current issues of microbiology. The lectures were delivered by leading scientists in this field from different scientific institutions and caused great response and interest amongst biology teachers, as they were given the opportunity to share the latest researches with their students.



Speakers:

1. David Prangishvili – The Invisible World of Microbes
2. Nata Bakuradze- The human Microbiome
3. Nino Gachechiladze - Infectious Agents, Infection and the Infectious Process
4. Tamar Tsertsvadze - Immune System and Vaccines
5. Nino Tchanishvili - Bacteriophages and their Practical Use
6. Giorgi Melashvili - The Effect of Parasites on Humans, Animals and Plants
7. Tsitsino Sikharulidze - Diseases of the Food Chain
8. Mikheil Asatiani - Fungi in Human Service: Perspectives and Challenges
9. Adam Kotorashvili - Modern Methods of Genome Research of Microorganisms

Series of Panel Sessions

In order to promote interdisciplinary and international scientific collaboration, on the initiative of the AE Tbilisi Knowledge Hub was launched a **Series of Panel Sessions** dedicated to the issues of democratization and European integration in a historical and contemporary perspective.



ACADEMIA EUROPAEA
Tbilisi Knowledge Hub



Panel Session

Challenges and Opportunities of Small Countries on the Example
of the First Democratic Republic of Georgia

July 11, 2022 Tbilisi State University



Mikheil Ketchakmadze
Oxford University



Malkhaz Matsaberidze
Tbilisi State University



Irakli Khvadagiani
Soviet Past Research
Laboratory



Tornike Turmanidze
Tbilisi State University

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As part of the series of panel sessions, the first panel - "**Challenges and Opportunities of Small Countries on the Example of the First Democratic Republic of Georgia**" was held on July 11, 2022 at Tbilisi State University IJ. It featured important contributions from four highly eminent experts from Georgian and European universities in the field of history and politics of Georgia.

Within the series of panel sessions, on December 26, 2022 the second panel session entitled "**Ilia Chavchavadze - Past and Modernity**" was held at Tbilisi State University IJ. During the panel session, the speakers discussed the role of the prominent Georgian public figure, writer, politician and publicist, Ilia Chavchavadze, in the formation of the Georgian civil society of the 19th century and the creation of the Georgian national liberation movement. The panel session aroused a great response amongst university students and schoolchildren.



ACADEMIA EUROPAEA TBILISI KNOWLEDGE HUB

MODERATOR

AKAKI CHIKOBAVA

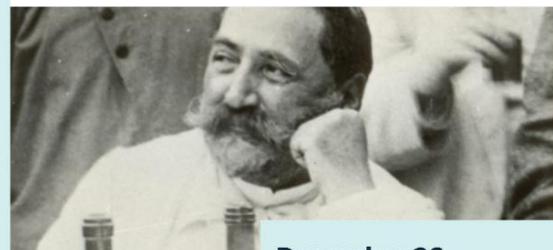
SPEAKERS:

MARIAM
CHKHARTISHVILI

DIMITRI
SHVELIDZE

IRAKLI
CHKHAIDZE

ILIA CHAVCHAVADZE - THE PAST AND MODERNITY



December 26,
2022

2:00 pm

TSU I building, room 115

International Summer School

“Future Technology and Peace Leaders”

Considering the interest of young generation in digital technologies, Tbilisi Hub in cooperation with the New Technology and Innovation Laboratory - **GeoLab** held the International Summer Schools "*Future Technology and Peace Leaders*".

In 2021, International Summer School was considered for European and Georgian students, but in 2022, due to the ongoing hostilities in Ukraine, for the purpose of expressing solidarity the International Summer School “**Future Technology and Peace Leaders**” was announced specifically for Georgian and Ukrainian students.

The International Summer School included the following short-term courses:



“Future Technology and Peace Leaders”



- ❖ Graphic design - Adobe Photoshop
- ❖ Graphic design - Adobe Illustrator
- ❖ UI/UX design - Web Design
- ❖ UI/UX design - Mobile Design
- ❖ Unity
- ❖ Technical and Creative conceptualization
- ❖ STEM activities using microcontroller
- ❖ Front end Web development HTML, CSS

The courses have been devised by experienced academics and offered both theoretical knowledge and practical workshops with experienced lecturers. A part of the lessons was project work in groups.

In addition to this, the International Summer School allowed Georgian and Ukrainian teenagers to get to know each other, share their views and cultural diversity.

The course was result-oriented, which in turn involved the construction of knowledge in the field of modern technologies and the transfer of effective, dynamic and functional knowledge to participants.

International Research Initiative

Meeting of the Scientific Advisory Board of Tbilisi Hub

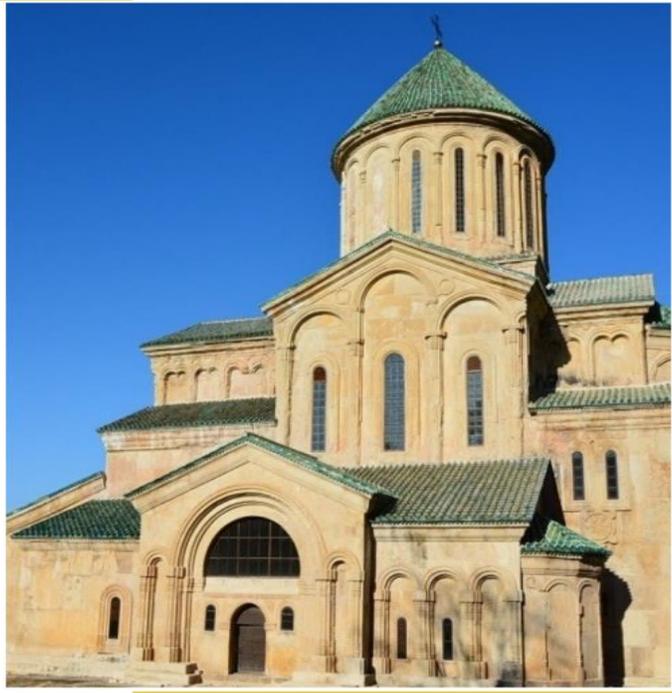
On October 4-5, 2022, the AE Tbilisi Knowledge Hub together with Tbilisi State University IJ, held an extended session of the Scientific Advisory Board in Gelati, Kutaisi and Vani. The meeting was attended by members of the Scientific Advisory Board and the project initiative group of the Gelati Academy. Amongst participants were Honorary President of Academia Europaea **Sierd Cloetingh** and former Vice-President of the European Research Council **Eva Kondorosi**.



Meeting of the Advisory board of Academia Europaea Tbilisi Knowledge Hub focused on

"Gelati Academy – the Medieval Center of Science and Education Amidst Eastern and Western Christianity"

ON OCTOBER 4-5, 2022
IN KUTAISI AND VANI



Gelati Academy - the Medieval Center for Science and Education amidst Eastern and Western Christianity

Gelati Academy was founded in 1106 next to Gelati Monastery (West Georgia) on the initiative of the Georgian King David the Builder. Here David brought together the most prominent Georgian scholars of that time contributing to the establishment of the Gelati Academy as one of the most important theological-scientific and educational centers of the Christendom. At the end of the 11th c., after the closing of the Academy of Mangana (Constantinople, Byzantine Empire) and the Seljuk conquest of Jerusalem, according to the King David's historian, the Gelati Academy became "a second Jerusalem of all the East for the learning of all that is of value, for teaching of knowledge – a second Athens, far exceeding the first in divine law, a canon for all ecclesiastical splendors". The curriculum of the Academy mainly included the subjects of trivium (geometry, arithmetic, music) and quadrium (three types of philosophy, three types of rhetoric, grammar and astronomy).

Meeting of the Scientific Advisory Board of Tbilisi Hub



The first day of the event was dedicated to Gelati Academy. Under the guidance of academician **Zaza Skhirtladze**, the participants visited the Gelati monastic complex. Later, Professor **Levan Gigineishvili** delivered a lecture about the Gelati Academy at the Kutaisi State Historical Museum.

The lecture was about the significance of Gelati Academy as one of the best, courageous and progressive theological-scientific and educational centers of its time of the Christian East and its role in the formation and development of the early European Renaissance. Levan Gigineishvili also spoke about Ioane Petritsi's attempt to combine philosophical and biblical traditions, which was a very interesting and at the same time, audacious project for this period.

After the lecture, the meeting participants discussed ways to protect the spiritual and material heritage of Gelati and present it in the European academic space.

On the second day of the meeting, events were held in the Archaeological Museum of Vani. In the first half of the day the session of the Scientific Advisory Board of Tbilisi Knowledge Hub was conducted. The participants discussed the current projects and future plans of the Tbilisi Knowledge Hub.

After the SAB meeting, the participants, led by academician **David Lortkipanidze**, visited the exhibition of the Vani Archaeological Museum. After the excursion, academician David Lortkipanidze gave a lecture on how modern technologies and installations can be used in the study of cultural heritage monuments, using the unique exhibits of the Vani Archeological Site as an example. He also spoke about the Vani Archaeological Museum, which is one of the first museums in the Caucasus region and has a rich cultural heritage. After that, the participants discussed the issues raised in the lecture.



International Seminar

"Internal Quality Assurance: Perspectives and Challenges"

On October 10, 11 and 12, 2022, an *International Seminar "Internal Quality Assurance: Perspectives and Challenges"* was held at Tbilisi State University. The representatives of the universities of Georgia, Armenia, Azerbaijan, Ukraine and Ireland, as well as the National Center for the Development of the Quality of Education of Georgia participated in the event. The Irish internal quality assurance model, doctoral education quality assurance and online teaching quality assurance were the topics of discussion at the workshop.



This seminar was implemented with the financial support of Academia Europaea and Hubert Curien Initiatives Fund, allocated to the AE Tbilisi Knowledge Hub.

Academia Europaea Tbilisi Knowledge Hub expressed its solidarity with the Ukrainian people in connection with the ongoing hostilities and covered the expenses of representatives of Ukrainian universities.



Management and Resources

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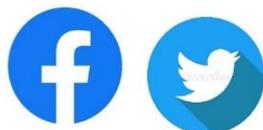
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