

ANNUAL TRUSTEE (activity) REPORT

Plus individual Knowledge Hub Reports (as annexes)

FOR 2020



'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 2020 are available as follows;

Barcelona Knowledge Hub	(Annex 3)
Bergen Knowledge Hub	(Annex 4)
Budapest Knowledge Hub	
Cardiff Knowledge Hub	(Annex 5)
Tbilisi Knowledge Hub	(Annex 6)
Munich Knowledge Hub	
Graz Information Centre	(Annex 7)
Wroclaw Knowledge Hub	(Annex 8)

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

Barcelona Hub at:	http://barcelona.acadeuro.org/
Bergen Hub at:	https://aebergen.w.uib.no/annual-reports/
Cardiff Hub at:	http://aecardiffknowledgehub.wales/about-us/documents/
Wroclaw Hub at:	http://acadeuro.wroclaw.pl/
Tbilisi Hub at:	https://www.aetbilisihub.org
Munich Hub	NA
Budapest Hub	NA

Section 1: Governance

THE TRUSTEES, AND COUNCIL OF THE ACADEMIA EUROPAEA

Board of TRUSTEES (at 31 December 2020)

Officers

President:	Professor Sierd Cloetingh 2021)	Utrecht, (extended by member decision to end
Vice President:	Professor Genoveva Marti	Barcelona, (to end 2021)
Hon. Treasurer:	Professor V Milutinovic Dr Oskar Mencer	Montenegro, (resigned in 2020) London, (appointed pro tem 2020)
Co-opted Members:	Professor Ole Petersen	Cardiff (till end 2022)
	Professor Theo D'haen	Leuven, (till end 2021)
	Professor Eva Kondorosi	Budapest, (till end 2023)
	Professor Don Dingwell	Munich, (till end 2021)
	Professor Poul Holm	Dublin, (to end 2022)
	Professor Alex Verkhatsky	Manchester, (till end 2021)
	Professor Bjorn Wittrock	Uppsala, (till end 2022)
Appointed by Council:	Professor Kirsten Drotner	(to end 2020)
	Professor Dagmar Coester-Waltjen	(to end 2020)
	Professor Alain Peyraube	(to end 2020)
President elect (from Jan 2021)	Professor Marja Makarow	

In spring of this year, the UK went into COVID-19 lockdown, as did much of Europe. As a result, AE planned physical meetings were cancelled. This included the AGM (see below). In order to maintain some continuity during the COVID crisis period, approval was sought through an electronic ballot of all members, to suspend the AGM for 2020. Ballots were also held to extend the term of the President to the end of 2021. An electronic ballot of all members was carried out in 2020 for a new President and Professor Marja Makarow (Finland) was elected. It was agreed that she would assume office after the end of the COVID crisis and no later than January 2022. Other changes to the board of trustees would continue as scheduled. An election for a replacement treasurer and VP (officio) would take place in 2022.

The list of Section chairs, as at 31 December 2020, is at annex 2 of this report. Professors Peyraube, Drotner and Coester were appointed by the (old) Council to the board of trustees, with effect from January 2017. They stepped down at the end of 2020. Prof. D'Haen is the Editor-in-Chief of the European Review. He will step down at the end of 2021. During the year the treasurer resigned and the Board co-opted temporarily Dr Mencer. Due to COVID, a formal election will be held when some normality returns in 2022. Class chairs are members of the board of trustees. At the end of 2020 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 Don Dingwell (Trustee), VP ex o
Class C – Life Sciences – Professor Alex Verkhatsky Board member VP ex o

The composition of the Board and 'Council' as at 31st December 2020 is at annex 2. The Council is described in the articles 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 *de facto*, the 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 will increasingly be 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 a plenary Council, but in a more efficient way, the trustees will review the Regulations to better reflect the new working structure.

During 2020 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 and database 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 also 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

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

Academic Director: Professor Ricard Guerrero.

Hub manager: Ms Kimberley Katte

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

Academic Director: Professor Eystein Jansen

Hub manager: Ms Kristen Hansen

Budapest Hub (established in 2020) https://www.ae-info.org/ae/Acad_Main/Budapest_Knowledge_Hub

Academic Director: Professor Laszlo Lovasz

Hub Manager: Dr Gergely Bohm

Cardiff Hub (www.aecardiffknowledgehub.wales/)

Academic Director: Professor Ole Petersen.

Hub Manager: Ms Louise Edwards,

Science Policy: Dr Mildred Foster

Office manager: Ms Juliet Davies

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

Munich Hub. (established in 2020)

Academic Director: Professor Don Dingwell (trustee)

Hub manager:

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

Academic Director: Professor David Prangishvili

Hub manager: Ms Maia Matchavariani

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

Academic Director: Professor Arkadius Wojz

Hub manager: Ms Kasia Majkowska

Hub assistant: Adam Żygadło

Examiner of Accounts

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

Principal Bankers

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

Solicitors

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

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

Section 2: The structure and mission of the Academia Europaea

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

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

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

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

Governance and management

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

The officers of the Academia (President, Vice President(s) and Honorary Treasurer) are elected by members. Other Trustees are 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 sets of minutes of the past year. 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 2020

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

This reporting period was carried out against the background of the global COVID-19 pandemic. All meetings and events were postponed and the 2020 AGM and annual conference cancelled. The London office was locked down for a period of months and the Executive Secretary continued to work remotely and from summer physically at the office premises where necessary. The office manager was put into the UK government furlough scheme during the compulsory lockdown period. Furlough continued part-time for

the whole of 2020. The AE received financial compensation from the government during this time. Despite this, the AE continued to operate its member nomination and election process and this provided additional income from new members during 2020. The lack of sponsored events also contributed positively to the financial position of the AE for the year. A valuable increase in member donations had been received over the year. SAPEA activity continued virtually (see later report). The European Review continued to be published and generated some royalty income. The net result as expressed in the annual accounts for 2020 was an unrestricted funds reserves carried forward to 2021 of £138,569

A new Finance and Sponsorship sub-committee has been set up to explore new sources of support. The trustees wish to record their thanks specifically the Technical University of Graz for their dedicated I.T. and corporate web support and Professor Balazs Gulyas for his management of the Erasmus Medal.

The trustees are pleased to report that in 2020, inter – organisational links were further strengthened with a number of European federation organisations (ALLEA, FEAM, EASAC and euroCASE) and the Horizon 2020 Policy project – SAPEA continued successfully. The project (SAPEA) is described in detail in the report. The President and other trustees engaged in a number of specific activities that responded to policy issues across Europe. Two new Hubs, [in Munich and Budapest] were launched in line with the strategic plan. Each of the seven Regional Knowledge Hubs has its own distinct mission and identity. The Trustees continue to recognise the immense support provided by the sponsors for these Hubs that are not reliant on core financial support from central funds for their day-to-day operations.

The trustees are pleased to report a further widening of the membership of the Academia Europaea with the admission in 2020 of 352 scholars. The trustees also continued to support the further development of the Young Academy of Europe, in recognition of the AE mission to promote young researchers.

The AE has a membership of individuals drawn from the whole continent of Europe and from beyond Europe. The Trustees consider that following the completion of the BREXIT process, the risks to the continuation of the Academia as a UK registered and domiciled charity to be negligible at this time. The situation will be kept under review and any necessary steps will be taken to ensure a continuation, including any future changes in jurisdiction, if needed. The UK government confirmed during the year that UK institutions would be eligible to be beneficiaries in the new Horizon Europe programme as the UK would be fully associated with that instrument. The AE will be a partner in a future SAPEA (plus) project consortium, funded by the European Union and will therefore continue to play a role in Science Advice for European Public Policy.

The Trustees place on record, their belief that at the time of compilation of this report, there are no additional or unforeseen risks that may place the continuation of the charity in jeopardy. The AE and the Hubs have separately and in response to local and national instructions, put into place plans for a continuation of AE business during the COVID emergency. Some activities have been cancelled or postponed as necessary and essential continues through other technological channels.

Public benefit statement

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

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

Future Plans

In the coming year the trustees will try to continue to deliver the mission of the Academia through the running of appropriate workshops, publications and related activities. These will be subject to any limitations that the ongoing COVID-19 pandemic dictates. The trustees will explore new opportunities to expand the network of regional Hubs and also seek alternative models of financing and support for provision of communications infrastructure. The Young Academy of Europe will continue to be supported, specifically to provide a focus to engage with and support young researchers from across the UK and Europe, who are embarking on an academic and research career. The AE engagement in European Science policy advice will be strengthened through taking a lead on topics within the Science Advice Policy project (SAPEA and from 2022 the new SAPEA PLUS) funded by the European Commission and the trustees will endeavour to find additional core funding and sponsorship sources for activity. The Trustees will especially focus on ensuring that its UK based membership and researchers in general can continue to be fully engaged with their international colleagues during the period of negotiation of the UK exit from the European Union and afterwards. 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, wherever necessary, including by buying time of Hub staff or temporary recruitment.

Section 4: Centrally co-ordinated activities during the period, 1 January 2020 – 31 December 2020

The 2020 annual Building Bridges conference of members scheduled for October in Barcelona was cancelled due to COVID-19. The event will be held 20 – 21 October 2021.



The 2020 Academia Europaea Erasmus Medal was awarded to the renowned international Physicist and Mathematician Roger Penrose

However, due to COVID-19, the 2020 event was cancelled and the award will be made at the 2021 Annual conference in Barcelona on 20th October. Professor Penrose will also deliver the Heinz-Nixdorf Erasmus Lecture at that time.



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: “Upside-Down: Revolutions in Physics, Old and New”

***Abstract:** The Copernican revolution turned upside-down the prevailing view about the motions of the Earth and Sun. But it took Galileo's dynamical understandings to explain why we do not feel the Earth's motion, as in a carriage drawn by rapidly moving horses. The work of Kepler and Newton further refined this dynamics, but the speed of light, as explained by Maxwell's 19th century electromagnetism, seemed to pose a paradox that has only finally been resolved in the 20th century by Einstein's special and general theories of relativity. This latter theory (GR), has of itself led to the seeming catastrophe of singularities in large-scale gravitational collapse.*

That same century gave us quantum mechanics (QM) for the physics of the small. A common view, is that, when correctly applied to GR, singularities would not arise. However, there are strong reasons to expect that this cannot suffice, and should be turned upside down, for GR to resolve inherent problems in QM, again turning upside down current viewpoints relating quantum measurement to conscious experience.

Bio for Roger Penrose

AFFILIATION: Professor (emeritus) of Mathematics at the University of Oxford, UK.

LINK TO WEBPAGE: <https://penroseinstitute.com/about/roger-penrose/>

Citation:

Roger Penrose has conducted outstanding research in pure mathematics and theoretical physics for more than 60 years. He is most widely acclaimed for his work on singularities, such as black holes, which he proved can arise from the gravitational collapse of massive, dying stars. He has also made important contributions that explore possible connections between physics and consciousness, and set these out in best-selling books such as *The Emperor's New Mind* (1989).

Roger Penrose revolutionised the mathematical tools that we use to analyse the properties of spacetime. Previously, work on the curved geometry of general relativity had been confined to configurations with sufficiently high symmetry for Einstein's equations to be soluble explicitly, and by investigating small perturbations away from their symmetry. His more radical approach instead concentrated just on the topology of the space, or at most its conformal structure, since it is the latter — as determined by the lay of the lightcones — that determines the trajectories of lightlike geodesics, and hence their causal relationships. The importance of Penrose's epoch-making paper "Gravitational collapse and space-time singularities" was not only its result (roughly that if an object such as a dying star implodes beyond a certain point, then nothing can prevent the gravitational field getting so strong as to form some kind of singularity). It also showed a way to obtain similarly general conclusions in other contexts, notably that of the cosmological Big Bang, which he dealt with in collaboration with Stephen Hawking.

Roger invented [twistor theory](#), a key tool in quantum theory. He proposed the cosmic censorship hypothesis — an idea of how the effects of the unpredictability of singularities are 'hidden' from us. Even his recreations have been creative: his discovery of a non-periodic form of tiling — [Penrose tiling](#) — has since been observed experimentally in quasicrystals.

He has (with the possible exception of Hawking, for whom he was a mentor and collaborator) done more than anyone since Einstein, to deepen our understanding of space, time, and gravity. Moreover, alongside these 'core' efforts he has, throughout his long career, displayed exceptionally wide-ranging originality and intellectual energy; through his books and lectures he has been an immense cultural stimulus. He has already received many honours, but his wide-ranging and sustained career has the breadth and impact that renders him an especially distinguished recipient of the Erasmus Medal

Other Bios:

<https://biography.yourdictionary.com/roger-penrose>

https://en.wikipedia.org/wiki/Roger_Penrose

The Erasmus lecture is sponsored by the

Heinz Nixdorf Stiftung

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

Section 5: Academia Europaea outreach.

The Regional Knowledge Hubs

They organise and deliver a wide range of activities that deliver a wider public benefit in line with our charitable objectives. These activities are described in detail in the individual Hub reports (see annexes).

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-the end of 2021.



= 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 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 2021. 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 is supported by Dr Mildred Foster.

The Cardiff team led the latest evidence review undertaken by SAPEA, on the topic of Biodegradability of Plastics in the Open environment. The review has informed the policy-based Scientific Opinion of the European Group of Chief Scientific Advisors. With the first Working Group meeting taking place at the end of February and regular meetings held throughout the period of the pandemic, this was the first review to be conducted entirely via virtual means. The report was presented to Chair of the Advisors, Professor Nicole Grobert, at the official handover event on 14th December. European Commissioners Gabriel and Sinkevičius were in attendance. There will be an extensive campaign of promotion and outreach throughout 2021. The Hub oversaw a comprehensive systematic review on the European food policy landscape, on behalf of SAPEA. The systematic review was specifically requested by the Group of Chief Scientific Advisors and published in March, alongside SAPEA's Evidence Review Report, Towards a Sustainable Food System. The systematic review involved a novel partnership between methodologists (members of Cardiff's Specialist Unit for Review Evidence (SURE) and Cardiff University Library Service) and subject experts. An advisory panel was assembled to support the review, chaired by Professor Terry Marsden, Director of Cardiff's Sustainable Places Research Institute (PLACE) and including Professor Roberta Sonnino, Director of Cardiff's Research Centre for Urban and Regional Food Systems (SURF).

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

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. From 2022 onwards, the Bergen Hub will also be a linked third party (via the University of Bergen) to the SAPEA plus project.

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 many study groups that are established. The Academia provides a financial contribution towards the running of the secretariat of EASAC, which is based at the German National Academy of Sciences (Leopoldina) in Halle. The Academia covers the costs of participation of the AE Council member and also AE experts participating in specific study panels



[<http://www.easac.eu/>]. The AE supports a number of members, who provide their individual expertise to EASAC studies and/or are engaged in the standing committees of EASAC. Professor Don Dingwell (trustee and VP ex o) is the AE delegate to the EASAC governing Council

Publications:

The European Review 2020 (volume 28)

Report by the Editor-in-chief – Professor Theo D'Haen (University of Leuven)

In 2020 the European Review (ERW) went to six issues per volume. 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.

Volume 28 had the following focus issues:
February 2020 papers from the 2018 annual conference
June 2020 Focus on Thinking Beyond Europe's Cultural Borders
December 2020 Regimes of Memory III



Open access issues – supplement S1 Mind the Gap Bridging Secondary and Higher Education
Volume 28 - Symposium S1 - August 2020 - from the HERCuLES symposium of 2018. Edited by
Professor Svend Erik Larsen (Aarhus) <https://doi.org/10.1017/S1062798720001210>

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/>

Section 6: Events provided with AE sponsorship through the Hubert Curien Fund, or patronage in 2020

Contextualising Human Diversity in Context. Published by University of Trieste Press 2020. editor – Professor Cinzia Ferrini (University of Trieste) Electronic version at: www.openstarts.units.it/handle/10077/30260

Workshop on Observatory Synergies for Astroparticle Physics and Geoscience (in collaboration with the European Alliance for Earth Sciences – GEO.8)

Evidence for Policymakers: An international conference on generating and sharing evidence and data for improved policymaking (Supported staff to participate) at the Hague.

Translational Medicine project (supported by the Hubert Curien Fund) has been brought to a successful conclusion with the publication of the final report, as a substantial full paper (25 pages), in the Journal of Clinical Medicine.
<http://aecardiffknowledgehub.wales/2020/05/22/academia-europaea-position-paper-on-translational-medicine-published-in-leading-open-access-journal/> and <https://www.mdpi.com/2077-0383/9/5/1532> (Prof. Peter Hegyi)

The Fund supported the following member initiated proposals that were postponed as a result of the COVID pandemic to future dates.

History & Archaeology Section – Hosted at the Wroclaw Hub: ICONOCLASM : PAST & PRESENT ISSUES postponed to October 2021

Class of Social and Related Sciences (Hosted at Wroclaw) event Collective Identities, Nations and Social Spheres (postponed to 2021)

AE specific Publications.

In addition to regular e-newsletters produced by the centre and all of the Regional Knowledge Hubs, The AE published a number of statements on policy issues and issues relating to the status of members in a number of European countries. Statements can be found at:

No annual member directory was published in hard copy in 2020. A new general AE leaflet was printed.

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

SECTION 7: Corporate, Hubs and membership

2020 New members elected

The trustees approved the recommendation of the Classes and elected new members as follows:
Class A1 (Humanities) – 105 new members; Class A2 (Social and societal sciences) – 52 new members; Class B (Natural Sciences) – 110 new members and Class C (Life Sciences) – 94 new members. A full list of 2020 new members, allocated by Class and Section is at Annex 1

The Class chairs responsible for oversight of the nominations process in 2020 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 .Wittrock (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 2020. All new members were notified of the AE GDPR policy and members were asked to opt-in to that policy.

Governance meetings held in 2020

The Trustees, Council and their subcommittees

Because of COVID-19 restrictions, the Board of Trustees met virtually on 4 occasions (using the Zoom platform) as follows: April 16, April 17, June 18, and 20 October. All meetings were quorate.

The Board decided to seek the membership's approval to suspend the physical AGM of 2020. This was carried out via an electronic ballot of all members on a motion. This motion had been approved. The ordinary business of an AGM was then conducted electronically later, and through a series of motions and electronic ballots of all members. The outcomes are reported below.

Individual (virtual) Class meetings (of Section chairs) to decide on recommended new member lists were held on:

- Class A1 (June 10)
- Class A2 (June 11)
- Class B (June 1)
- Class C (June 10)

In addition a physical meeting (February) of the new Sponsorship sub-committee met in London. The group is composed of the Treasurer, the President (as Chair), plus Professor Stephen Evans MAE (Cambridge) and Professor Eystein Jansen (Bergen Hub Academic Director)

32nd Annual Business Meeting 2020 (AGM) - suspended

The Board of trustees obtained approval of the membership to suspend the 2020 AGM due to COVID-19 restrictions. This was done via an electronic ballot.

All members had been given advance notice of the Ballots by email (on 21st September), stating the reasons for the ballots and the timetable and sequence as follows:

A. Vote number 1: will be a request to approve a proposal to suspend the need for a physical AGM for this year only. Our statutes (see the footnote) need a decision to be taken by elective resolution of members. This has to be done before any other substantive ballots can be taken.

B. Vote number 2. The Board will then invite your votes to approve some normal items of AGM business:

- a. A proposal from the Board to adopt the annual accounts for the year ended 31 December 2019
- b. A proposal to adopt the trustees (activity) report for 2019
- c. A proposal to re-appoint the auditors
- d. A proposal to set the annual membership fees for 2021

C. Vote number 3. In view of the exceptional times we are all experiencing, the Board have decided to invite the current President Sierd Cloetingh, to remain in post until the end of 2021. This would facilitate a smooth transition to the new incoming President. We are in uncharted territory and there is no provision in statutes or regulations for this, but the Board will hope that you the members will understand the need to ensure continuity at this time and hope that you will vote to approve a proposal for this action.

These ballots were open for voting from 26 September to 3 October.

A fourth ballot had been pre-announced for the new President of the Academia Europaea.

MOTION WAS: Following an intensive scrutiny process, the Board adopted the recommendation of the independent search group and are pleased to propose XXXXXXXXXXXXXXX for your approval.

The incoming President will serve as a 'President-elect' from January 2021, and will assume the Presidency at the AGM of 2021 (October). The President will serve for an initial term of three years.

This ballot was open from 6 October to 12 October

The outcomes from all of these ballots were:

Motion to suspend the AGM of 2020

Motion to adopt the accounts for the year ending 31 December 2019

Motion to adopt the trustees (activity report for the year ending 31 December 2019

Motion to re-appoint the auditors (examiners)

Motion to set the level of membership fees for the year 2021 (at the 2020 level)

Motion to extend exceptionally, the term of the Current President (Professor Cloetingh) to the end of 2021

Motion to accept the recommendation of the trustees to elect XXXX as the new President of the Academia Europaea.

All motions were approved by large majorities

The Membership duly elected Professor Marja Makarow to be the next President of the Academia Europaea.

It was hoped that a pared back physical AGM might held in Barcelona on 21 October 2021. A number of items of ordinary business may be handled in advance, via electronic ballots of the membership.

Section 8: Statement of Trustees' Responsibilities

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

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

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

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

In so far as the trustees are aware:

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

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

Risk assessment

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

Financial Report

The trustees confirm that suitable accounting policies have been used and applied consistently and that reasonable and prudent judgements and estimates have been made in the preparation of the financial statements for the year 1 January 2020 - 31 December 2020. The trustees also confirm that applicable accounting standards have' been followed and that the financial statements have been prepared on the going concern basis. The assets are available and adequate to fulfil obligations on a fund - by - fund basis.

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

Reserves policy

The total funds for the year ended 31 December 2020 was £283,546 [YE 31 December 2019, £105,242]. It is the policy of the trustees to maintain sufficient reserves for the Academia Europaea to continue its charitable activities and in view of this, the trustees aim to achieve reserves equal to approximately six months of operations. A review of reserves policy will be undertaken every year.

Income and expenditure for the period ended 31 December 2020 (summary overview)

The year was one of continuing progress towards stability. The COVID-19 pandemic and a period of office lockdown, suspension of planned activities over the year all had an impact on the financial position of the AE. Our total income for the year was £401,223. Total expenditure was £254,522. The balance of funds brought forward to 2020 from 2019 was £105,242. In addition to normal income and expenditure, the accounts also reflect income and expenditures associated to the European Commission SAPEA grant. The AE benefits from overhead associated with our involvement in this project activity. The figures also include subsidies received from the UK government in support of the COVID-19 lockdown and the furlough of one member of AE staff at the London office.

The AE as a charity seeks to operate an effective zero balance budget. We are essentially dependent upon members' donation income, in 2020, this was at £216,360, and life membership payments totalled £20,113. This represented a positive increase over previous years. The Trustees stress to all members the importance of supporting the Academia by making a donation every year, preferably at the recommended level. Without more members making a payment, the AE will not be able to grow the range and type of activity and support for member initiatives that we 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), The Balzan Foundation (Switzerland) and for their support and the support of other sponsors, especially the Caixa Foundation (Barcelona) and our Patron member The German Academy of Sciences (Leopoldina). The Board continued to recognise the ongoing difficulty in obtaining core financial support from public and private institutions and established a Finance and Sponsorship sub-committee to manage these developments.

The examiner's accounts for 2020 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.



Sierd Cloetingh, President
On behalf of the Board of Trustees
July 2021

Annex 1: Members elected in 2020 and who subsequently accepted an invitation into membership

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

Full name		Country	
A1	<u>History & Archaeology (19)</u>	c. Nikita Harwich-Vallenilla	Member Type
	Abbattista Guido	Italy	Ordinary
	Buda Octavian	Romania	Ordinary
	De Graaf Beatrice Albertha	Netherlands	Ordinary
	Haynes Ian	United Kingdom	Ordinary
	Heinen Armin	Germany	Ordinary
	Murgescu Bogdan	Romania	Ordinary
	Nickelsen Kärin	Germany	Ordinary
	Nyberg Kenneth	Sweden	Ordinary
	Platon Alexandru-Florin	Romania	Ordinary
	Pollmann Judith	Netherlands	Ordinary
	POSADA-CARBÓ Eduardo	United Kingdom	Ordinary
	Pro Juan	Spain	Ordinary
	RISTOVIĆ Milan	Serbia	Ordinary
	Rubiés Joan-Pau	Spain	Ordinary
	Tischler Matthias M.	Spain	Ordinary
	Turda Marius	United Kingdom	Ordinary
	WHITTAKER Helene	Sweden	Ordinary
	Winiwarter Verena	Austria	Ordinary
	Michael Cook	USA	FOREIGN

A2	<u>Classics & Oriental Studies (6)</u>	c. Gerd Haverling	Member type
	Fuhrer Therese	Germany	Ordinary
	Marzano Annalisa	United Kingdom	Ordinary
	Németh Michał	Poland	Ordinary
	Shogimen Takashi	New Zealand	Foreign
	Stramaglia Antonio	Italy	Ordinary
	Tsagalīs Christos	Greece	Foreign

<u>Linguistic Studies (21)</u>		c. Pier Marco Bertinetto	
A3	Alexiadou Artemis	Germany	Ordinary
	Allen Shanley	Germany	Ordinary
	Aloni Maria	Netherlands	Ordinary
	Behr Wolfgang	Switzerland	Ordinary
	Börjars Kersti	United Kingdom	Ordinary
	Cuzzolin Pierluigi	Italy	Ordinary

	de Saussure Louis	Switzerland	Ordinary
	Divjak Dagmar	United Kingdom	Ordinary
	Fischer Olga	Netherlands	Ordinary
	Földes Csaba	Germany	Ordinary
	François Alexandre	France	Ordinary
	Hansen Maj-Britt	United Kingdom	Ordinary
	Haug Dag	Norway	Ordinary
	Hellwig Birgit	Germany	Ordinary
	Holvoet Axel	Lithuania	Ordinary
	Igartua Ugarte Iván	Spain	Ordinary
	Nesset Tore	Norway	Ordinary
	Spector Benjamin	France	Ordinary
	Tatevosov Sergei	Russian Federation	Ordinary
	Thornton Anna Maria	Italy	Ordinary
	Wurmbrand Susanne	Austria	Ordinary

A4	<u>Literary & Theatrical Studies (18)</u>	c. Vladimir Biti	Member type
	Aston Elaine	United Kingdom	Ordinary
	Benne Christian	Denmark	Ordinary
	Borbely Stefan	Romania	Ordinary
	Braga Corin	Romania	Ordinary
	Corbea-Hoisie Andrei	Romania	Ordinary
	Desmarais Jane	United Kingdom	Ordinary
	Duprat Anne	France	Ordinary
	GILMORE John T.	United Kingdom	Ordinary
	Kluge Sofie	Denmark	Ordinary
	Leeder Karen	United Kingdom	Ordinary
	Meretoja Hanna	Finland	Ordinary
	Perloff Marjorie	United States	Foreign
	Pittock Murray	United Kingdom	Ordinary
	Rimell Victoria	United Kingdom	Ordinary
	Rippl Gabriele	Switzerland	Ordinary
	Vice Sue	United Kingdom	Ordinary
	Vogel Juliane	Germany	Ordinary
	Zach Wolfgang	Austria	Ordinary

A5	<u>Musicology & History of Art & Architecture (12)</u>	c. Laurenz Lutteken	
	Canguilhem Philippe	France	Ordinary
	Corrain Lucia	Italy	Ordinary
	Cuno James	United States	Foreign
	DONIN Nicolas	France	Ordinary
	Gancarczyk Paweł	Poland	Ordinary
	Geiger Friedrich	Germany	Ordinary
	Kelly Barbara	United Kingdom	Ordinary
	Richards Annette	United States	Foreign
	Rodríguez Ortega Nuria	Spain	Ordinary

	Tunbridge Laura	United Kingdom	Ordinary
	Wood Christopher	United States	Foreign
	Zoppelli Luca	Switzerland	Ordinary

A6	<u>Philosophy, Theology & Religious Studies (11)</u>	c. Genoveva Marti	
	Beebee Helen	United Kingdom	Ordinary
	Hüttemann Andreas	Germany	Ordinary
	KALIMI ISAAC	Germany	Ordinary
	Miroiu Adrian	Romania	Ordinary
	Pacherie Elisabeth	France	Ordinary
	Parrini Paolo	taly	Ordinary
	Perler Dominik	Germany	Ordinary
	Reiss Julian	Austria	Ordinary
	Shenker Orly	Israel	Ordinary
	Westphal Kenneth R.	Turkey	Ordinary
	Ypi Lea	United Kingdom	Ordinary

A7	<u>Film, Media and Visual Studies (19)</u>	c. Göran Bolin	
	Alvares Claudia	Portugal	Ordinary
	Bassett Caroline	United Kingdom	Ordinary
	Boccia Artieri Giovanni	Italy	Ordinary
	Dobek-Ostrowska Boguslawa	Poland	Ordinary
	Esposito Elena	Italy	Ordinary
	Fickers Andreas	Luxembourg	Ordinary
	Gil Isabel Capeloa	Portugal	Ordinary
	Grant Catherine	United Kingdom	Ordinary
	Hughes Lorna	United Kingdom	Ordinary
	Jansson André	Sweden	Ordinary
	Jensen Klaus Bruhn	Denmark	Ordinary
	Kerr Aphra	Ireland	Ordinary
	Kleinen-von Königslöw Katharina	Germany	Ordinary
	Ling Richard	Singapore	Foreign
	Mansell Robin	United Kingdom	Ordinary
	Pasquali Francesca	Italy	Ordinary
	Pruulmann-Vengerfeldt Pille	Sweden	Ordinary
	Söderbergh Widding Astrid	Sweden	Ordinary
	Syvertsen Trine	Norway	Ordinary

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

During 2020 there was a re-organisation of Sections and creation of several new Section groupings. All Class members were invited to select a new or existing section. These reported in Annex 2

Full name		Country	Membership type
Behavioural Sciences (5)		c. Peter Scott	
A8	MIKLOSI ADAM	Hungary	Ordinary
	Price Cathy	United Kingdom	Ordinary
	Roelofs Ardi	Netherlands	Ordinary
	Semenza Carlo	Italy	Ordinary
	TSAKIRIS MANOS	United Kingdom	Ordinary

A9	Social Sciences (12)	c. Maria Paradiso	
	Alasutari Pertti	Finland	Ordinary
	BARBU Daniel	Romania	Ordinary
	CONSTANTIN Daniela-Luminita	Romania	Ordinary
	Craiutu Aurelian	United States	Foreign
	Ellemers Naomi	Netherlands	Ordinary
	Fenster Tovi	Israel	Ordinary
	Hughes Jason	United Kingdom	Ordinary
	Pates Rebecca	Germany	Ordinary
	Rosa Hartmut	Germany	Ordinary
	STASZAK Jean-François	Switzerland	Ordinary
	STOLCKE Verena	Spain	Foreign
	Wiener Antje	Germany	Ordinary

A10	Law (10)	c. Nina Dethloff	
	Antokolskaia Masha	Netherlands	Ordinary
	Friedmann Daniel	Israel	Ordinary
	Hörnle Tatjana	Germany	Ordinary
	Huber Peter M.	Germany	Ordinary
	Kieninger Eva-Maria	Germany	Ordinary
	Meier Sonja	Germany	Ordinary
	Michaels Ralf	Germany	Ordinary
	Schweitzer Heike	Germany	Ordinary
	Symeonides Symeon	United States	Foreign
	Yu Xiang	China	Foreign

A11	Economics, Business and Management Sciences (25)	c. Klaus Zimmermann	
	Adam Klaus	Germany	Ordinary
	Aumann Robert J.	Israel	Ordinary
	Belke Ansgar	Germany	Ordinary
	Bevelander Pieter	Sweden	Ordinary
	Carraro Carlo	Italy	Ordinary
	Dabrowski Marek	Poland	Ordinary

	De Toni Alberto Felice	Italy	Ordinary
	Epstein Gil	Israel	Ordinary
	Freixas Xavier	Spain	Ordinary
	Galor Oded	United States	Foreign
	Guriey Sergei	France	Ordinary
	Horvath Roman	Czech Republic	Ordinary
	Hou Wenxuan	United Kingdom	Ordinary
	Konstantopoulos Spyros	United States	Foreign
	Koren Miklós	Hungary	Ordinary
	Moutinho Luiz	United Kingdom	Ordinary
	Newbery David	United Kingdom	Ordinary
	NEYMAN Abraham	Israel	Ordinary
	Repullo Rafael	Spain	Ordinary
	Scazzieri Roberto	Italy	Ordinary
	Sentana Enrique	Spain	Ordinary
	Sovacool Benjamin	United Kingdom	Ordinary
	Tsakoglou Panos	Greece	Ordinary
	Ventura Jaume	Spain	Ordinary
	Weber Martin	Germany	Ordinary

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

B1	Mathematics (23)	c. Philippe Michel	
	Arnaud Marie-Claude	France	Ordinary
	Bogomolov Fedor	United States	Foreign
	Bridgeland Tom	United Kingdom	Ordinary
	Bridson Martin	United Kingdom	Ordinary
	Colmez Pierre	France	Ordinary
	Crovisier Sylvain	France	Ordinary
	Delbaen Freddy	Switzerland	Ordinary
	Deninger Christopher	Germany	Ordinary
	Dolgopyat Dmitry	United States	Foreign
	Ekeland Ivar	France	Ordinary
	Hausel Tamas	Austria	Ordinary
	Kazhdan David	Israel	Ordinary
	Lindquist Anders	Sweden	Ordinary
	Liverani Carlangelo	Italy	Ordinary
	Maynard James	United Kingdom	Ordinary
	Merle Frank	France	Ordinary
	Pandharipande Rahul	Switzerland	Ordinary
	Röckner Michael	Germany	Ordinary
	Solovej Jan Philip	Denmark	Ordinary
	Süli Endre	United Kingdom	Ordinary
	Tarantello Gabriella	Italy	Ordinary
	van de Geer Sara	Switzerland	Ordinary
	Vogtmann Karen	United Kingdom	Ordinary

B2	Informatics (19)	c. Schahram Dustdar	
	Ailamaki Anastasia	Switzerland	Ordinary
	Ammar Mostafa H.	United States	Foreign
	Bronstein Michael	United Kingdom	Ordinary
	Cao Jiannong	China	Foreign
	Deng Xiaotie	China	Foreign
	Giannakis Georgios B.	United States	Foreign
	Guo Minyi	China	Foreign
	Helal Abdelsalam (Sumi)	United Kingdom	Ordinary
	Ilic Marija	Serbia	Ordinary
	Kavraki Lydia	United States	Foreign
	Lapata Mirella	United Kingdom	Ordinary
	Lio Pietro	United Kingdom	Ordinary
	OUAKNINE Joël	Germany	Ordinary
	Pingali Keshav	United States	Foreign
	Plaza Antonio	Spain	Ordinary
	Qu Xiaobo	Sweden	Ordinary
	Saurabh Saket	Norway	Ordinary
	Sun Maosong	China	Foreign
	Zhang Yan	Norway	Ordinary

B3	Physics & Engineering Sciences (23)	c. Pavel Exner	
	Aeppli Gabriel	Switzerland	Ordinary
	Amabili Marco	Canada	Foreign
	Caldarelli Guido	Italy	Ordinary
	Di Ventra Massimiliano	United States	Foreign
	Falciano Speranza	Italy	Ordinary
	Ferrari Andrea	United Kingdom	Ordinary
	Horodecki Ryszard	Poland	Ordinary
	Lai Ying-Cheng	United States	Foreign
	Liew Kim Meow	Hong Kong	Foreign
	Losada Iñigo J.	Spain	Ordinary
	OTT EDWARD	United States	Foreign
	Pachucki Krzysztof	Poland	Ordinary
	Rasel Ernst Maria	Germany	Ordinary
	Shi Peng	Australia	Foreign
	SORNETTE Didier	Switzerland	Ordinary
	Sotomayor Torres Clivia M.	Spain	Ordinary
	Van Kolck Ubirajara	France	Ordinary
	Vedral Vlatko	United Kingdom	Ordinary
	Voyadjis George	United States	Foreign
	Wagner Hanoch Daniel	Israel	Ordinary
	Wang Cheng-Xiang	United Kingdom	Ordinary
	Wang Zidong	United Kingdom	Ordinary
	Shiltsev Vladimir	Russian Federation	Ordinary

B4	<u>Chemical Sciences (29)</u>	c. Graham Hutchings	
	Aggarwal Varinder	United Kingdom	Ordinary
	Barone Vincenzo	Italy	Ordinary
	Bianco Alberto	France	Ordinary
	Bukhtiyarov Valerii	Russian Federation	Ordinary
	Champness Neil	United Kingdom	Ordinary
	Chi Lifeng	China	Foreign
	Chojnacka Katarzyna	Poland	Ordinary
	CLERAC RODOLPHE	France	Ordinary
	Guo Zheng Xiao	Hong Kong	Foreign
	Hecht Stefan	Germany	Ordinary
	Hu Xile	Switzerland	Ordinary
	Irvine John	United Kingdom	Ordinary
	Järv Jaak	Estonia	Ordinary
	Kralchevsky Peter	Bulgaria	Ordinary
	LECOMMANDOUX Sebastien	France	Ordinary
	Mann Stephen	United Kingdom	Ordinary
	McCulloch Iain	United Kingdom	Ordinary
	Mikos Antonios	United States	Foreign
	MULLER Sylviane	France	Ordinary
	Nicolosi Valeria	Ireland	Ordinary
	PERCEC VIRGIL	United States	Foreign
	Quack Martin	Switzerland	Ordinary
	Roldán Cuenya Beatriz	Germany	Ordinary
	Ruiz Sabin Eliseo	Spain	Ordinary
	Sanders Jeremy	United Kingdom	Foreign
	Sommerdijk Nico	Netherlands	Ordinary
	Terasaki Osamu	China	Foreign
	Yu Jiaguo	China	Foreign
	Zhang Chi	China	Foreign

B5	<u>Earth & Cosmic Sciences (17)</u>	c. Paolo Papale	
	Agard Philippe	France	Ordinary
	Barry David Andrew	Switzerland	Ordinary
	CHENG Qiuming	China	Foreign
	Davies Roger	United Kingdom	Ordinary
	Delgado Hugo	Mexico	Foreign
	Gong Peng	China	Foreign
	HAWTHORNE Frank	Canada	Foreign
	Kaper Lex	Netherlands	Ordinary
	Kögel-Knabner Ingrid	Germany	Ordinary
	Liu Junguo	China	Foreign
	Ranero Cesar	Spain	Ordinary

		Sinninghe Damsté Jaap S.	Netherlands	Ordinary
		Tackley Paul J.	Switzerland	Ordinary
		Tauris Thomas	Denmark	Ordinary
		von Blanckenburg Friedhelm	Germany	Ordinary
		Yinon Rudich	Israel	Ordinary
		Zollo Aldo	Italy	Ordinary

Class C – Life Sciences: Chair Alex Verkhratsky; Vice-chair Robert Zorec

Sect.		Full name	Country	Membership type
C1		<u>Biochemistry & Molecular Biology (22)</u>	c. Eva Kondorosi	
		Buzás Edit Irén	Hungary	Ordinary
		Dixon Ray	United Kingdom	Ordinary
		Djinovic Carugo Kristina	Austria	Ordinary
		Dumenil Guillaume	France	Ordinary
		Erdmann Ralf	Germany	Ordinary
		Gao George Fu	China	Foreign
		Gebauer Fátima	Spain	Ordinary
		GENSCHIK Pascal	France	Ordinary
		Gutierrez Crisanto	Spain	Ordinary
		Kubista Mikael	Czech Republic	Ordinary
		Lingner Joachim	Switzerland	Ordinary
		Mergaert Peter	France	Ordinary
		Neyrolles Olivier	France	Ordinary
		O'Donnell Valerie	United Kingdom	Ordinary
		Poole Philip	United Kingdom	Ordinary
		Radford Sheena	United Kingdom	Ordinary
		Rodnina Marina	Germany	Ordinary
		Stewart Adrian Francis	Germany	Ordinary
		Tartaglia Gian Gaetano	Italy	Ordinary
		Walter Jörn	Germany	Ordinary
		YANG YUN-GUI	China	Foreign
		Zoran Popovski	Macedonia	Ordinary

C2		<u>Cell and Development Biology (5)</u>	c. TBC	
		BOUSSO Philippe	France	Ordinary
		Gruenbaum Yosef	Israel	Ordinary
		Nitschke Lars	Germany	Ordinary
		Rabelink Antonius	Netherlands	Ordinary

	Schier Alexander	Switzerland	Ordinary
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C3	<u>Physiology and Neuroscience (23)</u>	c. Tibor Harkany	
	Allan Stuart	United Kingdom	Ordinary
	Battaglia Francesco Paolo	Netherlands	Ordinary
	BENFENATI FABIO	Italy	Ordinary
	Cattaneo Antonino	Italy	Ordinary
	Cunha Rodrigo	Portugal	Ordinary
	DiGregorio David	France	Ordinary
	Gegelashvili George	Georgia	Ordinary
	Hoehn Mathias	Germany	Ordinary
	HOLTMAAT ANTHONY	Switzerland	Ordinary
	KASPER Siegfried	Austria	Ordinary
	Kofler Barbara	Austria	Ordinary
	Mothes Jean-Pierre	France	Ordinary
	Patel Sandip	United Kingdom	Ordinary
	Pekna Marcela	Sweden	Ordinary
	Petronis Arturas	Lithuania	Ordinary
	Piacentini Mauro	Italy	Ordinary
	Roska Botond	Switzerland	Ordinary
	Schenck Annette	Netherlands	Ordinary
	Shi Yufang	Italy	Ordinary
	Thiel Gerhard	Germany	Ordinary
	Ulbert István	Hungary	Ordinary
	van Engelen Baziel	Netherlands	Ordinary
	Wedell Anna	Sweden	Ordinary

C4	<u>Organismic & Evolutionary Biology (12)</u>	c. Christophe Thébaud	
	Barta Zoltán	Hungary	Ordinary
	Ben Sheldon	United Kingdom	Ordinary
	Bruford Michael	United Kingdom	Ordinary
	Burt Austin	United Kingdom	Ordinary
	Inzé Dirk	Belgium	Ordinary
	JORDANO PEDRO	Spain	Ordinary
	Knapp Sandra	United Kingdom	Ordinary
	Le Kang	China	Foreign
	Lopez-Garcia Purificacion	France	Ordinary
	Memmott Jane	United Kingdom	Ordinary
	Triantis Kostas	Greece	Ordinary
	Wardle David Albert	Singapore	Foreign

C5	Clinical and Veterinary Science (23)	c. Stephen Holgate	
	Aaby Peter	Denmark	Ordinary
	Anadon Arturo	Spain	Ordinary
	Benn Christine Stabell	Denmark	Ordinary
	Calandra Thierry	Switzerland	Ordinary
	Cox Timothy	United Kingdom	Ordinary
	Ekman Inger	Sweden	Ordinary
	Fleming Lora Elderkin	United Kingdom	Ordinary
	Freshwater Dawn Sylvia	United Kingdom	Ordinary
	Guchelaar Henk-Jan	Netherlands	Ordinary
	Hussell Tracy	United Kingdom	Ordinary
	Irvine Alan David	Ireland	Ordinary
	Kelly Frank	United Kingdom	Ordinary
	LENZI Gian-Luigi	Italy	Ordinary
	Lovell Karina	United Kingdom	Ordinary
	Moffatt Miriam Fleur	United Kingdom	Ordinary
	Rafferty Anne Marie	United Kingdom	Ordinary
	RODRIGUEZ-ROISIN Roberto	Spain	Ordinary
	SZEKANECZ ZOLTAN	Hungary	Ordinary
	TRACEY Irene	United Kingdom	Ordinary
	van Hage Marianne	Sweden	Ordinary
	Vécsei László	Hungary	Ordinary
	Yazdanbakhsh Maria	Netherlands	Ordinary
	Nagtegaal Iris	Netherlands	Ordinary

Annex 2 Trustees, 'Council', and Section Committee composition as at 31st December 2020

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 2 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 2020 these were Professor Dingwell (Class Chair); Professor Poul Holm (Class Chair) Professor Bjorn Wittrock (Class Chair) and Professor Ole Petersen. Governance and incorporation documents can be found on the website (www.ae-info.org).

Members of the Board of Trustees (at 31st December 2020)

Elected officers:

The President – Prof. Sierd Cloetingh (Utrecht) from AGM 2014 to AGM 2021

Treasurer - Professor Vejko Milutinovic (elected at the AGM 2018) resigned in 2020, replaced by Prof. Oskar Mencer (UK) as pro tem treasurer until 2021

The Vice President (*officio*) – Prof. Genoveva Marti to AGM 2021

Trustees

Ole Petersen (UK) co-opted (to AGM 2020), Vice president (*ex officio*), Deputy Treasurer and Academic Director, Cardiff Hub

Theo D'Haen, (B) Editor-in-chief – European Review – (co-opted 2014); retires end of 2021

Poul Holm (IRL) – Class chair – Class A1 (Humanities) co-opted Vice president *ex officio*;

Don Dingwell (D) – Class Chair – Class B (Natural Sciences) co-opted Vice president *ex officio*; retires end of 2021

Alex Verkhatsky (UK) – Class Chair – Class C (Life Sciences) co-opted retires end of 2021

Bjorn Wittrock (SWE) - Class chair from January 2018 co-opted Vice president *ex officio*

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

Alain Peyraube (Linguistics) France – from Council retires 31 December 2020

Kirsten Drotner (Film, Media and Visual Studies) Denmark – from Council retires 31 December 2020

Dagmar Coester-Waltjen (Law) Germany – from Council retires 31 December 2020

Academia Europaea - Composition of the Advisory Council (at 31 December 2020)

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 also members of the Board of trustees, and therefore they act as the (independent) representative of the Council 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 2020

A CLASS A1

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

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

A1 History & Archaeology

Chairperson²: Nikita Harwich Vallenilla (until December 2022 not renewable)⁴

harwich.nikita@noos.fr

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

Committee³: Amalia Polónia, (till end 2022); Olga Katsiardi-Hering (till end 2022), Korine Amacher (till end 2022, renewable); Maxine berg (till end 2022, renewable), Leonard Blusse van Oud Alblas (till end 2022, renewable); Markus Denzel (till end 2022, renewable); Bogdan Szlachra (till end 2022, renewable); Manuel Lucena-Giraldo (till end 2022, renewable)

A2 Classics & Oriental Studies

Chairperson: Gerd Haverling (to end of 2022, renewable)

gerd.haverling@lingfil.uu.se

University of Uppsala, Dept. of Linguistics & Philology

Committee: Barbara Borg (till end 2022), Gerd Haverling, Eun-Jeung Lee (till end 2022), Alexander Lubotsky (till end 2022), Gianfranco Agosti (till end of 2021, renewable), Alessandro Bausi, (to end of 2021, renewable), Alexander Vovin (to end of 2021, renewable), Irmela Hijiya-Kirschner (to end 2022, renewable)

A3 Linguistic Studies

Chairperson: Pier Marco Bertinetti (till end 2022, renewable).

bertinetti@sns.it

SNS, Pisa, Italy

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

Committee: Katarzyna Dziubalska-Kolaczyk (till AGM 2020), Asifa Majid Vice Chair (first term ends end of 2020, renewable), Nigel Vincent (first term ends end of 2020, renewable), Alain Peyraube (to end 2022, renewable), Angela Ralli, (to end of 2022, renewable), Harald Baayen (to end of 2022, renewable).

A4 Literary & Theatrical Studies

Chairperson: Vladimir Biti (to end of 2021)

vladimir.biti@univie.ac.at http://www.ae-info.org/ae/User/Biti_Vladimir

University of Vienna, Institut für Slavistik, Spitalgasse 2-4, Hof 3, 1090 Vienna, Austria

Committee: César Dominguez, Lucia Boldrini (to end 2020), Susana Onega (to end 2020), Vivian Liska (to end 2020, renewable), Martin Middeke (to end of 2021, renewable)

A5 Musicology & Art History

Chairperson: Laurenz Lütteken (till end 2022)

University of Zurich. luetteken@access.uzh.ch

http://www.ae-info.org/ae/Member/L%C3%BCtteken_Laurenz

Committee: Christian Leitmeir, Lynda Nead, Raphael Rosenberg, Victor Stoichita, (all till December 2020), Melanie Wald-Fuhrmann (until end of 2021, renewable), Tanja Michalsky (to end of 2022, renewable)

A6 Philosophy, Theology & Religious Studies

Chairperson: Genoveva Marti (till end 2022)

ICREA and Universitat de Barcelona, Departament de Filosofia, Montalegre 6, 08001 Barcelona

genoveva.marti@gmail.com

Committee: Martin Carrier (to end of 2022, renewable), Cinzia Ferrini (to end of 2022, renewable), Margit Sutrop (to end of 2022, renewable), Timothy Williamson (to end of 2022, renewable), Alex Fidora (to end of 2022, renewable)

A7 Film, Media and Visual Studies Chairperson: Göran Bolin (to end 2021, renewable)

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

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

CLASS A2

Class Chair Björn Wittrock, Uppsala (Swedish Collegium). bjorn.wittrock@swedishcollegium.se

Vice-chair: Professor Shalini Randeria, Vienna randeria@iwm.at

A8 Economics, Business and Management Sciences

Chairperson: Klaus Zimmermann (to end of 2020)

klaus.f.zimmermann@gmail.com

University of Bonn, Regina-Pacis-Weg 3, 53113 Bonn, Germany

Committee: Amelie Constant, Mirjana Radovic-Markovic, Reinhilde Veugelers (all to end of 2021), Andreu Mas-Colell (to end of 2022, renewable), Martin Kahanec (to end 2022, renewable)

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

Chairperson: Peter Scott (to end 2020)

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: Johan P. Mackenbach, (to end 2022), Ulrich Teichler (to end 2020), 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 2020, renewable)

paradiso@unisannio.it

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

Committee: Sture Öberg (to end 2022), Maria Dolores Garcia-Ramon (until end 2020), Alun Jones (to end 2020), . Leo van Wissen (until end of 2022, renewable), Michael Keating (to end of 2022, renewable), Benno Werlen (until the end of 2022, renewable)

A11 Law

Chairperson: Nina Dethloff (to end 2022, renewable)

dethloff@uni-bonn.de

Faculty of Law, University of Bonn

Committee: Rosa Greaves (until end 2022), Verica Trstenjak (until end 2020), Alain Strowel (until end 2020), Dagmar Coester-Waltjen Vice Chair (until end 2022), Marit Jäntärä- Jareborg (to end of 2022, renewable), Christina Gonzales-Beilfuss (to end of 2022, renewable), Dieter Gosewinkel (until end of 2022, renewable);

A 12. Social Change and Social Thought

Chairperson: Peter Wagner (to end of 2022, renewable)

Peter.Wagner@ub.edu

Catalan Institute for Research and Advanced Studies, Barcelona

Committee: Wolfgang Knöbl (to end of 2022, renewable), Lars Magnusson (to end of 2022, renewable), Marilyn Strathern (to end of 2021, renewable)

A 13. The Human Mind and Its Complexity

Chairperson: Jüri Allik (to end of 2022, renewable)

juri.allik@ut.ee

Dept. Psychology, Tartu, Estonia

Committee: Kimmo Alho (to end of 2022, renewable), Gian Vittorio Caprara (to end of 2022), Kurt Pawlik (to end of 2022)

CLASS B

Clas Chair Don Dingwell, LMU Munich. Dingwell@lmu.de

B1 Mathematics

Chairperson: Philippe Michel (to end of 2022, renewable)

philippe.michel@epfl.ch

Ecole Polytechnique Federale de Lausanne

Committee: Jean-Benoît Bost (to end 2021, renewable), Martin Hairer (to end 2021, renewable), (Volker Mehrmann (to end 2021, renewable), Jürg Kramer Vice chair (to end 2022, renewable), Amie Wilkinson (to end 2022, renewable), Maria Esteban (to end 2022, renewable).

B2 Informatics

Chairperson: Schahram Dustdar (until end 2022)

dustdar@dsg.tuwien.ac.at

TU Wien, Distributed Systems Group, Argentinierstrasse 8, 1040 Vienna. Austria

Committee: Carlo Ghezzi (to end of 2020), Manuel Hermenegildo (to end of 2021, renewable), Onur Mutlu (to end of 2021, renewable), Erol Gelenbe (to end of 2021, renewable)

B3 Physics and Engineering Sciences

Chairperson: Pavel Exner (until end of 2021, renewable)

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

Committee: Michael Peter Kennedy (until end 2020, renewable), Angela Bracco – Vice Chair (until end 2020, renewable), Maciej Ogorzalek (till end of 2020), Minh Quang Tran (till end 2020), Ursel Fantz (until end of 2021, renewable), Nasser Kalantar-Nayestanaki (to the end of 2021, renewable), Elvira Fortunato (to end of 2023, renewable), Peter Zoller (to end of 2023, renewable)

B4 Chemical Sciences

Chairperson : Graham Hutchings (to end 2022)

hutch@cf.ac.uk

Cardiff Catalysis Institute, School of Chemistry, Cardiff University Cardiff, CF10 3AT UK

Committee: from January 2014 to 2016 (renewable) - Carmen Claver, Janine Cossy, , Joachim Sauer (to be replaced during 2020 – 2022), Bert Weckhuysen (to end 2022), Valentine Ananikov (to end of 2022, renewable), Magdolina Hargittai (to end of 2022, renewable)

B5 Earth and Cosmic Sciences

Chairperson: Paolo Papale (until end 2022).

paolo.papale@ingv.it

Istituto Nazionale di Geofisica e Vulcanologia

Committee: Enric Banda (till end 2020), Tuija Pulkkinen (till end 2021), John Ludden (till end 2021), Gerald Gilmore (till 2020, renewable), Mike Burton (till end 2022, renewable), Todd Ehlers (till end 2022, renewable)

CLASS C

Class Chair, Alex Verkhatsky, Manchester, UK. Alexej.Verkhatsky@manchester.ac.uk
Deputy Chair. Robert Zorec, Slovenia. robert.zorec@mf.uni-lj.si

C1 Biochemistry and Molecular Biology

Chairperson: Eva Kondorosi (to end of 2022, renewable)

eva.kondorosi@gmail.com

Szeged, Hungary

http://www.brc.hu/biochem_symbiosis_and_functional_genomics_unit.php

Committee : Witold Filipowicz (to end 2022), Brigitte GICQUEL (to end of 2023, renewable), Annalisa PASTORE (to end of 2023, renewable), Mart SAARMA (TO END OF 2023, renewable)

C2 Cell and Developmental Biology

Chairperson: **To be confirmed**

Committee: Meinrad Busslinger, Carl-Henrik Heldin, Elisabetta Dejana (all to end 2021), Anne Ephrussi (to end 2021), Austin Smith (to end 2021), Christine Mummery (to end of 2021, renewable)

C3 Physiology and Neuroscience

Chairperson: Tibor Harkany (Stockholm/Vienna) (To end of 2022, renewable)

Medical University of Vienna

Tibor.Harkany@meduniwien.ac.at

Committee: Marina Bentivoglio (till end 2020), Alfonso Araque (till end 2021), Robert Zorec Vice Chair (till end 2021), Vladimir Parpura (till end 2020), Riitta Salmelin (till end 2020), Barbara Franke (till end 2021), Dmitri Rusakov (to end 2022, renewable), Alexey Semyanov (until the end of 2023, renewable)

C4 Organismic and Evolutionary Biology

Chairperson: Christophe Thébaud (To end 2022)

christophe.thebaud@univ-tlse3.fr

UMR 5174 CNRS 'Evolution et Diversité Biologique', Université Paul Sabatier, 31 062 Toulouse cedex 4, France

Committee: Per Ahlberg (to end of 2022, renewable); Dianne Edwards (to end 2022, renewable), Andras Baldi (to end 2022, renewable); Louise Fresco (to end 2022, renewable); Mike Hassell (until end 2022, renewable). Richard Bardgett (to end 2022, renewable)

C5 Clinical and Veterinary Science

Chairperson: Stephen Holgate (To end 2021)

sth@soton.ac.uk

Sir Henry Wellcome Laboratories, University of Southampton, SO16 6YD, UK

Committee: Christopher Griffiths (until end 2022), Paul Matthews (until end 2022), Richard Frackowiak (until end 2022), Peter Hegyi (until the end of 2022, renewable, deputy chair),

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

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

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

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

Academia Europaea | Barcelona Knowledge Hub



2020 Annual Report of Activities

2020 ANNUAL REPORT OF ACTIVITIES

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2020 ANNUAL REPORT OF ACTIVITIES

1. EXECUTIVE SUMMARY

1.1 Overview

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

The AE-BKH office is located at the Institute for Catalan Studies (IEC) in downtown Barcelona. Its staff consists of: an Academic Director, Prof. Ricard Guerrero; a Hub Manager, Kimberly Katte; and a Web Master and Social Networking Manager, Rubén Duro. The following organisations from Barcelona/Catalonia are AE-BKH's partners: the Barcelona City Council, the Government of Catalonia (Universities and Research Secretariat) and "la Caixa" Banking Foundation.

1.2 Annual programming in 2020

During 2020, despite facing unprecedented challenges due to restrictions related to the COVID-19 pandemic, the AE-BKH managed to carry out its annual programming with considerable success. In many cases, it adapted its activities by either reducing the capacity of in-person attendance, in accordance with recommendations of public health authorities, or by completing moving them to an all-virtual environment. As in previous years, many of its activities featured educational and social outreach events open to the general public. These activities included:

- AE-BKH Women's Week 2020: "Women and cooperation: a symbiotic perspective"
- Summer Course, "Barcelona Dialogue 2020"
- Concert, "Music by Women Composers", part of the IEC "Music in the Cloister" series
- *Disputatio* of Barcelona 2020: "Cities, Climate and Pandemics: Reflections from UrbanStudies and Environmental Economics."

1.3 Building Bridges 2020

Following the large success attained the previous year, in early 2020, the AE-BKH began preparations for the 32nd Annual Conference of Academia Europaea (AE) and 9th of the Young Academy of Europe (YAE), scheduled to take place in October. However, soon COVID-19 began to wreak havoc on plans for event, prompting the Board of Trustees of the AE to cancel the 2020 conference. New dates were then approved for the following year, which are 19-22 October 2021.

1.4 Hypatia Prize

The call for candidates for the second edition of the Barcelona Hypatia European Science Prize, in the area of Life and Health Sciences, was expected to end on 31 March 2020 but was extended until 31 July 2020, due to COVID-19 and the subsequent state of alarm decreed in Spain. Following deliberations made by the Jury, Italian virologist Dr. Ilaria Capua was unanimously selected as

prize winner, for her research career conducted at the highest international level, for her leadership in the promotion of open access to genetic information on emerging viruses, and for the social impact that she has made through her contributions to the multidisciplinary concept of “One Health,” encompassing human, animal and environmental health.

1.5 Special projects

In 2020, the AE-BKH developed two special projects in collaboration with key partner institutions:

- Collaboration on the Barcelona Science Plan 2020-2023, launched by the Barcelona City Council as a science and university policy with the goal of turning Barcelona into a European capital for research and innovation.
- “Symbiotic Life” documentary series, consisting of several short films produced by Science into Images that explore different examples of symbiotic relationships existing in nature, in particular, in microscopic organisms.

1.6 External activities

With the goal of consolidating Barcelona as a scientific hub in southern Europe and the Mediterranean region, in 2020 the AE-BKH maintained its presence in external activities organised by other academic and scientific institutions. These included:

- Participation in the presentation of the “Living Terrace” of the Barcelona Natural Sciences Museum
- Attendance at the virtual inauguration of the Budapest Knowledge Hub

1.7 Web communications, social media and digital content

Finally, given the extensive use of online platforms during 2020 to keep its activities accessible during the COVID-19 pandemic, the AE-BKH witnessed an especially strong growth in the audiences reached through its on-line communication tools and social media platforms. In particular, its websites, Facebook and Twitter accounts and ‘Barcelona-in-Action’ digital archive saw a large increase in user activity.

In conclusion, despite facing numerous challenges during 2020 on various levels, the AE-BKH managed to maintain the overall quantity and quality of its programming. The activities carried out position our Hub for continued growth in 2021, which we hope will be a brighter year for all.

Ricard Guerrero, Academic Director

Kimberly Katte, Hub Manager

Academia Europaea-Barcelona Knowledge Hub

2. OVERVIEW

2.1 Presentation

The present Annual Report provides an overview of the activities of the Barcelona Knowledge Hub of Academia Europaea (AE-BKH) during the year 2020.

2.2 Mission and Vision

The AE- Barcelona Knowledge Hub

• Introduction and area of influence

Academia Europaea (AE) is a pan-European, non-governmental association acting as an Academy. Its members are scientists and scholars who collectively aim to promote education and research. Founded in 1988, it currently has approximately 4,000 Members, leading experts from a variety of different fields including the physical sciences, technology, biological sciences, medicine, mathematics, literature, humanities, social sciences, cognitive sciences, economics and law. The **Barcelona Knowledge Hub** (BKH) is the AE's branch office for the **Mediterranean and Southern European region**, including Turkey and Israel.

The main goal of AE-BKH is the promotion of activities of interest for the Members of AE in its area of influence, and for the scientific community in general, with **special emphasis on multi-disciplinary activities** that include **transversal perspectives of the natural and exact sciences, the social sciences and the humanities**. The vision of AE-BKH is to **help consolidate a genuine European area of research, education and innovation**.

While most activities organised by the AE-BKH have, during its early history, take place in Barcelona, an increasing number of activities has taken place in cities in Spain. This is reflected in the information gathered in the present annual report.

• History and main objectives

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

In 2013, the AE-BKH began its operations and held its first activities, many of which have, over time, become staples in its annual programming, such as Women's Week and the *Disputatio* of Barcelona (see corresponding sections).

• **Current specific objectives of the AE-BKH include:**

- Increasing the quantity and quality of its programming while maintaining sustainability
- Strengthening collaborations and partnerships with academic and research institutions in its area of influence
- Recognising and supporting excellent research conducted by individual scholars
- Improving the visibility and impact of its actions

• **Office and staff**

The AE-BKH office is located on the premises of the IEC, a mid-17th century historical building very conveniently located in the centre of the city of Barcelona. Since August 2014, Prof. Ricard Guerrero of the UB, Emeritus, and Adjunct Professor of the University of Massachusetts-Amherst, serves as Academic Director. In 2019, Kimberly Katte continued to serve as Hub Manager, overseeing the daily operations of the Hub and planning and implementation of activities, while Rubén Duro continued to manage the website, digital content, social media, and the audio-visual section (i.e., AE-BKH “Barcelona in Action” Video Channel).

3. ANNUAL PROGRAMMING IN 2020

3.1 AE-BKH WOMEN'S WEEK 2020 (4-5 MARCH)

Women and cooperation: a symbiotic perspective

On March 4th and 5th, the Barcelona Knowledge Hub of Academia Europaea (AE-BKH) celebrated **AE-BKH Women's Week 2020**, in commemoration of UN International Women's Day, and in collaboration with the UNESCO Chair on Women, Development and Cultures. Entitled "**Women and cooperation: A symbiotic perspective**," this eighth edition of AE-BKH Women's Week featured women scholars in mathematics, music, biology, film, architecture and urbanism. It also helped consolidate the initiative as one of the main pillars of the AE-BKH's annual programming ever since the Hub began in 2013. In line with

similar celebrations around the world, AE-BKH Women's Week serves, on the one hand, to recognise the important contributions made by women to different fields of human knowledge, and, on the other, to claim women's rights and promote gender equality.



The programme for this year's AE-BKH Women's Week kicked off on Wednesday, March 4th, in Prat de la Riba Hall at the Institute for Catalan Studies (IEC), with the lecture, "**The Mathematics of Music**", by mathematician and musician Pilar Bayer, Professor Emerita of the University of Barcelona. Prof. Mònica Rius-Piniés, Director of the UNESCO Chair on Women, Development and Cultures, opened the session, while musicologist and ex-General Secretary of the IEC, Romà Escalas, introduced Prof. Bayer and reiterated the strong links between mathematics and music. Representatives from the Catalan Society of Mathematics and the Catalan Society of Musicology were in attendance and thanked by the organisers for their support in communicating the event.

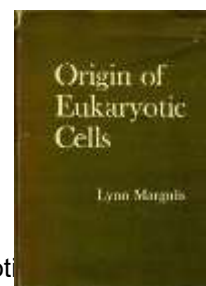


The lecture provided a look at the main mathematical principles underlying music, including those historically used to explain sound, as well as the role of new technologies in music, including the digital treatment of musical creation, reproduction and storage. Prof. Bayer set the tone for her lecture by quoting a letter by philosopher and scientist Gottfried Wilhelm Leibniz, to mathematician Christian Goldbach, in 1712: "*Musica est exercitium arithmeticae*". She proceeded to offer historical examples of advancements made by mathematicians alongside similar advancements made by their musical contemporaries, such as Sophie Germain and Clara Schumann, or Lejeune Dirichlet and Felix Mendelssohn. Thus, several mathematical musical concepts emerged at around the same time, respectively, including: harmonic series, and the infinity of prime numbers; the breakdown of sound into harmonic frequencies, and Newton's contributions to optics; soundwaves, and Euler's equation; calculus, congruencies, and regular dodecagons, and semitones and circles of fifths; and dynamics systems and melodic lines ending with the tonic. Finally, Prof. Bayer revealed another remarkable musical-mathematical duo: 'Ludwig', an algorithm-based software tool, and herself as composer and creator of short musical pieces that were reproduced for those in attendance.

The second activity, the round table, "**Fifty years of the book Origin of Eukaryotic Cells, by Lynn Margulis**", took place on Thursday, March 5th, in Ramon Turró Hall of the Royal Academy of Medicine of Catalonia. This session was introduced by Mercè Piqueras and chaired by Carmen Chica,

both AE-BKH collaborators, and featured a panel of renowned women scientists, educators and communicators, including M.Vallmitjana, B.Vendrell, M.Berlanga and C.Puche.

Origin of Eukaryotic Cells, published by Yale University Press in 1970, was the book in which the young biologist Lynn Margulis (Chicago, IL, March 5, 1938 – Amherst, MA, November 22, 2011) first proposed her theory of the symbiotic nature of the ultrastructure of the eukaryotic cell. The book, containing interesting ideas that are clearly argued with an extensive biological background and ample supporting evidence in different organisms, represents the basis of our present knowledge of cellular evolution and of the origin of the organisms presently known as protists. The panel offered a retrospective look at the serial endosymbiosis theory and the book's reasoning of the lineages of eukaryotes at a time when DNA sequencing was just starting and when techniques commonly used nowadays, such as restriction enzymes or PCR, were unknown. First-hand accounts, including personal anecdotes and excerpts from interviews and documentaries carried out by the panel members themselves, provided a unique look at an extraordinary book by an extraordinary biologist that triggered a revolution in the field of evolutionary biology.



Finally, unfortunately the last activity of AE-BKH Women's Week 2020, **"City Unfinished, a social cooperative initiative exploring Memory and Identity in the Self-Built City"**, had to be postponed due to the coronavirus pandemic, as dictated by local public health authorities. A screening of the documentary film, "City Unfinished – Voices of El Ermitaño" (Lima, 2018), was scheduled to take place on Thursday, March 12th, in the auditorium of the Goethe-Institut Barcelona, followed by a debate on the main topics of the documentary film: public space, community building, housing, memory and identity. The debate was to feature journalist and author Bettina Bremme (Goethe-Institut), architect and urban planner Zaida Muxi (ETSAB-UPC) and urban researcher and film director Kathrin Golda-Pongratz (UIC School of Architecture, AE-BKH), with the goal exchanging ideas about the role of public space and housing in the construction of identity in different cultures, including our own. The activity will be rescheduled when possible (new date to be announced, when available).



The film, lasting 29 minutes, is based on an investigation of the urbanisation and place-making processes in the neighbourhood of El Ermitaño (Independencia/Lima), in collaboration with British architect John F C Turner, who depicted and theorised about the self-construction of Peru in the 1960s. A rediscovery made in Turner's files of an historic documentary filmed in El Ermitaño in 1964, and its later return to and screening in the place where it had been filmed, in 2016, helped to activate collective memory and trigger work on a new documentary. "Ciudad Infinita – Voces" (Spanish, with subtitles in English) seeks to portray the current challenges facing the El Ermitano neighbourhood as told by its residents. The film reactivates memories of its roots, in particular, of its different identities of migratory origin. The documentary furthermore helps raise awareness of the concerns and efforts of its people, while providing ideas of possible incentives for similar initiatives aimed at improving and consolidating neighbourhoods such as El Ermitaño.

The activities comprising AE-BKH Women's Week 2020, attended by the general public and academic community, are available on-line at:

<http://barcelona.acadeuro.org/womens-week-2/womens-week-2020/>



Northeastern University
College of Arts, Media and Design

3.2 SUMMER COURSE, “BARCELONA DIALOGUE 2020” (VARIOUS DATES, MAY– JUNE)

“Barcelona Dialogue” is an ongoing collaboration between Northeastern University (NU) in Boston, USA, and the Academia Europaea-Barcelona Knowledge Hub (AE-BKH) for the organisation of an annual summer programme. The main goal of this summer programme is to provide students with an immersion-based learning experience in the art, architecture and history of Barcelona, hands-on workshops and cultural visits, and a unique dialog with local creators, designers, and entrepreneurs.

The “Barcelona Dialogue” summer programme was conceived within the educational framework of experiential learning at the root of Northeastern University’s many academic programmes. This philosophy of higher education is based on the pedagogical premise that a complete education requires a diversity of experiences on a global scale that go beyond the boundaries of the traditional campus, drawing from the latent synergies between social progress, innovation and scholarly research.

Prof. Xavier Costa, Member of Academia Europaea (MAE), serves as Faculty Advisor for the programme, while local and invited faculty members, including other MAEs and AE-BKH staff members and collaborators, have also contributed toward the academic content of the programme in previous editions held on-site in Barcelona (2016, 2017 and 2019). Circumstances due to the coronavirus pandemic enabled the 2020 edition to be moved on-line, opening up opportunities for exploring the use of technology to help the “Barcelona Dialogue 2020” programme achieve its objectives. Classes were held in a virtual format on various days in May and June 2020.



The following recorded sessions are available on the programme’s website: introductory presentations by Xavier Costa, Faculty Advisor and Member of AE, and by Kimberly Katte, AE-BKH Manager; and two of the 2020 final project presentations by students Emma Laskaris and Kelly Ward.

The AE-BKH looks forward to working with Northeastern University on the next on-site edition of the “Barcelona Dialogue” edition. In the meantime, it welcomes the academic community to view the aforementioned videos, in addition to other on-line tools, at:

<http://barcelona.acadeuro.org/home/annual-programming/barcelona-dialogue>

3.3 CONCERT, “MUSIC BY WOMEN COMPOSERS” (22 OCTOBER 2020)

On Thursday, October 22, 2020, the AE-BKH collaborated on a special concert entitled “Music by Women Composers,” organised by the Institute for Catalan Studies (IEC) in Barcelona, concluding its 2020 “Music in the Cloister” series.



Pilar Bayer, pianist and Professor Emerita of Mathematics at the University de Barcelona, presented a programme featuring a selection of classical and contemporary works written by women composers from the eighteenth to the twenty-first centuries, including music by both renowned and lesser-known names. Prior to playing each piece, she provided a brief look at the composer who wrote it, offering insight into her own unique story and perspective, and usually hidden due to historical or social prejudices. The concert serves as another example of how to harness synergies among the arts and sciences, eliminating barriers among disciplines to embrace all fields of human knowledge. It also serves as an excellent example of ‘herstory’ and scholarship with gender perspective in the field of music.

The concert took place in Prat de la Riba Hall, Institute of Catalan Studies (IEC), Barcelona, with limited in-person capacity due to COVID-19 restrictions, and it was also streamed live on YouTube. The full video is available for viewing at <https://youtu.be/aLpjeZhzoDY> and currently enjoys over 625 views. In addition, a gallery of photos and the programme are available on the AE-BKH website.



Pilar Bayer Isant (Barcelona, 1946) is currently Professor Emerita of Algebra at the University of Barcelona (UB). She was first introduced to music by her father, violinist and saxophonist Marcel·lí Bayer Gaspà (1898–1977). Throughout her education, she combined her studies of mathematics and music. In 1967, she obtained the title of professor of piano at the Barcelona Municipal Conservatory of Music, and in 1968, she received her undergraduate degree in mathematics from the UB, where she obtained her PhD in 1975, becoming Full Professor of Algebra in 1982. She has served as Professor of Mathematics at the UB, the Autonomous University of Barcelona (UAB) and the University of Cantabria, as well as at universities in Regensburg and Göttingen, Germany. She is a tenured member of the Spanish Royal Academy of Exact, Physical and Natural Sciences, of the Royal Academy of Arts and Sciences of Barcelona, and of the Royal European Academy of Doctors. In addition, she is an Emerita Member of the Institute for Catalan Studies (IEC), in the Section of Sciences and Technology.

3.4 *DISPUTATIO* OF BARCELONA 2020

An annual activity of the Academia Europaea-Barcelona Knowledge Hub

The *Disputatio* of Barcelona 2020. “Cities, Climate and Pandemics: Reflections from Urban Studies and Environmental Economics.”

Starting in the early twentieth century, rapid urbanisation has become one of the dominant demographic trends of our times, driving the interrelated issues of climate change and public health issues. This year the Academia Europaea – Barcelona Knowledge Hub (AE-BKH) has been a close collaborator of the Barcelona City Council on its recently published Barcelona Science Plan 2020-2023, outlining strategic municipal policies for bridging science and society in a variety of areas, including the ongoing climate crisis. Thus, in light of the current COVID-19 pandemic and its widespread social impact, the AE-BKH decided to devote the 2020 edition of its *Disputatio* of Barcelona annual debates to “**Cities, Climate and Pandemics: Reflections from Urban Studies and Environmental Economics**”. The session focused on the essential role of cities in climate change mitigation and in the control of pandemics such as COVID-19. Barcelona, along with other major metropolises in the world, provided for an interesting analysis.



Coordinated and moderated by **Alexander Fidora**, MAE, ICREA Research Professor in the Department of Ancient and Medieval Studies, UAB, this debate shed new light on the aforementioned questions by bringing together experts from different fields: urbanist **Kathrin Golda-Pongratz**, MAE, UIC Barcelona School of Architecture; and environmental economist **Jeroen van den Bergh**, ICREA Research Professor, ICTA-UAB.

ime ever, in an all-virtual setting, enabling approximately 100 participants from nearly twenty different countries to participate in the session. However, the interactive, multidisciplinary spirit characterising previous *Disputationes* was not compromised; following the engaging presentations made by the two *disputantes*, which featured original research findings in their respective fields, a lively question-and-answer section drawing on comments and questions posted by the online audience ensued. This portion of the programme underlined the need for transversal, complementary approaches to dealing with climate change across world cities, in order for policy to prove more effective.

The *Disputatio* 2020, originally planned for 18 November 2020, finally took place on 19 January 2021. The event was a great success, in terms of both participation and content. It helped push the interrelated issues of city planning, climate change and pandemics to the forefront of the public agenda, and it posed relevant questions regarding how to tackle one of the most important challenges facing citizens locally and globally.

The entire video of the debate, viewed over 225 times, is available at:

https://youtu.be/ow3_JXyCKeA

4. “BUILDING BRIDGES 2020”, THE 32th AE ANNUAL

Planning meeting in London (11 February 2020) and postponement until 2021

In the spring of 2020, the Barcelona Knowledge Hub (AE-BKH) had already begun preparations for the **32nd Annual Conference of Academia Europaea (AE) and 9th of the Young Academy of Europe (YAE)**, scheduled to take place in October. In fact, members of the AE-BKH,



including Academic Director Ricard Guerrero and Hub Manager Kimberly Katte, attended a meeting of the Planning Committee at the British Academy in London on 11 February, in order to address key aspects of the conference, including the scientific programme, registration and calendar.

However, COVID-19 quickly burst onto the scene in March, putting plans for travel and events on hold worldwide. As a result, the Board of Trustees of the AE unfortunately decided to cancel the 2020 conference. New dates were then approved for the next year, which are 20-21 October 2021.

We kindly ask you to please mark these dates on your calendars and to check the conference website, <http://www.buildingbridges-acadeuro.org/>, for updates on the format and content of the programme. In light of the rapidly changing situation surrounding the COVID-19 pandemic, virtual alternatives are being planned, however, we hope to be able to host certain activities with limited in-person attendance at the stunning Barcelona Biomedical Research Park (PRBB). More information will be available in spring 2021.

5. HYPATIA PRIZE

5.1 PREPARATION & CALL FOR NOMINATIONS – 2ND EDITION (LIFE & HEALTH SCIENCES)

At the very end of 2019, the Academia Europaea-Barcelona Knowledge Hub (AE-BKH) announced the Call for Nominations for the second edition of the **Barcelona Hypatia European Science Prize**, awarded by the Barcelona City Council in collaboration with the AE-BKH. This Prize, in the amount of 30,000 euros, recognises an outstanding researcher who has achieved a career of excellence at the highest international level in Europe and has made a significant contribution toward different fields of knowledge, as well as a positive impact on society. Although the call was initially expected to close on March 31, 2020, it was extended until July 31, 2020, due to COVID-19 and the subsequent state of alarm decreed in Spain.



The Hypatia Prize will be awarded annually, rotating each year among three major areas of knowledge: Science and Technology (call held in 2018); Life and Health Sciences (call opened in 2019 and closed in early 2020); and Humanities and Social Sciences (call to open in 2021). The winner of the first edition of the prize, devoted to Science and Technology, was Prof. László Lovász, mathematician and President of the Hungarian Academy of Sciences, for his outstanding career in the field of mathematics and for his contribution to social progress. The present (second) edition of the Prize recognises a research career focused on the **Life and Health Sciences (LHS)**, including other related sciences and technologies giving support to LHS, such as biochemistry, bio-engineering, etc. Finally, the third edition (2021) will be dedicated to Humanities and Social Sciences.

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

The Hypatia Prize constitutes one of the main programmes of the **Barcelona Science Plan**, a strategic initiative of Barcelona City Council to promote the research and innovation infrastructures of the city. Its main objective is to consolidate Barcelona as a European capital of research and innovation.

5.2 SELECTION OF PRIZE WINNER, PROF. ILARIA CAPUA, BY THE INTERNATIONAL JURY

Candidates for the second edition (Life and Health Sciences) of the Barcelona Hypatia European Hypatia Prize, awarded by the Barcelona City Council in collaboration with the AE-BKH, were nominated by Members of Academia Europaea (AE). They were then evaluated by the five members of the International Selection Jury: Dr. Eva Kondorosi (president), Dr. Paola Bonfante, Dr. Lluís Ferrer, Dr. Cristina Pujades and Dr. Ricard Guerrero (secretary). The jury held a virtual meeting on September 8th to analyse the information provided by nominators, in line with the prize terms and conditions previously published.



ILARIA CAPUA (Photo by Hannelia Balercus)

After extensive deliberations, the jury decided unanimously selected Italian virologist **Dr. Ilaria Capua** as prize winner, for her research career conducted at the highest international level, for her leadership in the promotion of open access to genetic information on emerging viruses, and for the social impact that she has made through her contributions to the multidisciplinary concept of “one health,” encompassing human, animal and environmental health.

As with the previous edition, an award ceremony presided by the Office of the Mayor of Barcelona and attended by members of the academic and scientific community, including AE officials, is under preparation and will feature a distinguished lecture by Dr. Capua. Given the rapidly changing nature of the current COVID-19 pandemic, the details of this event will be confirmed in early 2021, in agreement with recommendations by the public health authorities.

5.3 PRIZE WINNER ILARIA CAPUA NAMED MEMBER OF AE ON THE PRESIDENT’S LIST

Following her selection as prize winner of the second edition of the Barcelona Hypatia European Science Prize in September 2020, Dr. Ilaria Capua was named Member of Academia Europaea (AE) on the President’s List in the fall. She will be welcomed into the community of AE scholars at the Building Bridges 2020 conference in October.

6. SPECIAL PROJECTS DURING 2020

6.1 COLLABORATION ON THE BARCELONA SCIENCE PLAN 2020-



2023

The AE-BKH collaborates with one of its supporters, the Barcelona City Council, on the implementation of the recently released Barcelona Science Plan 2020-2023, a comprehensive science policy with the aim of projecting Barcelona as a European capital of science and innovation. Developed by the Barcelona City Council in conjunction with representatives from Barcelona's research and innovation ecosystem, the plan is built on four main axes:

1. Consolidating Barcelona as a European capital of science by improving the international visibility of its universities and research centres and by forging alliances with key European cities and institutions.
2. Providing municipal support for research that helps develop innovative, fair and effective solutions to urban challenges.
3. Creating a science culture by and for citizens that encourages citizen participation in science and promotes access to science education and dissemination.
4. Fostering relationships among science, art, innovation and society, in order to cultivate creative synergies and promote knowledge transfer and innovation among a diverse range of stakeholders.

The plan lays out 15 specific objectives and 51 actions to be taken over the course of the next three years. The Barcelona Hypatia European Science Prize, now in its second edition (see Section 1, above), represents one of those actions. The AE-BKH looks forward to continuing to collaborate with the Barcelona City Council on additional actions within the framework of the plan.

The complete plan is available in English at:

http://barcelona.acadeuro.org/wp-content/uploads/2020/07/PBC-2020-2023_ENG.pdf

6.2 “SYMBIOTIC LIFE” DOCUMENTARY SERIES

In May, the AE-BKH launched, “**Symbiotic Life**”, a new on-line initiative fruit of its partnership with Science into Images, a scientific dissemination project led by biologist and science filmmaker Rubén Duro, who is also the Hub’s webmaster and social media manager.

This initiative consists of several short documentaries on different examples of symbiotic relationships existing in nature, presented in a visually striking format. These videos present rarely seen images of microscopic organisms and are of great academic and research value. However, the general public will also enjoy these educational and entertaining videos, as brief accompanying explanations subtitled in English provide non-experts with the tools necessary for fully appreciating the beauty and scientific interest of the images projected.

Thus, the main objective of “Symbiotic Life” is two-fold: to disseminate scientific research in a novel format, in line with the AE-BKH’s overall mission; and to give support to a distinctive feature of the AE-BKH, which places special emphasis on symbiosis both as a driving concept of evolutionary biology and as a figurative term to describe the connections between seemingly different academic fields, such as the natural and exact sciences, the social sciences and the humanities.

The initial five videos included in the “Symbiotic Life” documentary series are:

- **Microbial mats.** Structure, composition and functioning of microbial mats, the first ecosystems on Earth, and the driving force for the existence of life on our planet.
- **Earliest Sex.** Conjugation of a protozoan, as an example of one of the first manifestations of sexual activity in the eukaryotic world.
- **Living together.** Gut symbionts of termites as an extraordinary example of how symbiosis among very different organisms such as bacteria, protozoa and animals enables a uniquely efficient use of resources.
- **Living biofilms.** Microscopic life in a biofilm as an example of how the activity of one type of organisms –in this case, bacteria– can create ideal living conditions for another.
- **Beauty and the Beast.** The budding of the common jellyfish as an example of asexual repro-



duction.

All five videos are available for viewing on the AE-BKH “Barcelona-in-Action” channel on Vimeo. (<http://barcelona.acadeuro.org/home/barcelona-in-action-digital-archive/>)

7. EXTERNAL ACTIVITIES

7.1 PARTICIPATION IN THE PRESENTATION OF THE “LIVING TERRACE”, BARCELONA NATURAL SCIENCES MUSEUM (27 JUNE 2020)

On 27 June 2020, AE-BKH Academic Director Ricard Guerrero participated in the inauguration of the “Living Terrace” of the Barcelona Natural Sciences Museum, part of the Barcelona Greenery and Biodiversity Plan for 2020.

Located on the rooftop of the museum, the terrace boasts a surface area of 7,100 m² for growing herbaceous plants, keeping in mind factors such as wind, the nearby sea, and also the maximum weight limit. It houses vegetation that has adapted to the environmental conditions of the Mediterranean. Seven areas comprise the terrace: a welcome area, with some of the most commonly found species on terraces, as well as air plants (which can live without soil) and climbing plants; three different types of Mediterranean meadows with perennial plants; and three different types of ponds.

The AE-BKH looks forward to collaborating with the “Living Terrace” and other initiatives of the Barcelona Natural Sciences Museum.

7.2 ATTENDANCE AT THE VIRTUAL INAUGURATION, BUDAPEST KNOWLEDGE HUB (9 DECEMBER 2020)

On 9 December 2020, AE-BKH Academic Director Ricard Guerrero and Hub Manager Kimberly Katte, alongside over 100 other guests, attended the virtual inauguration of the new AE Budapest Knowledge Hub, the latest addition to AE’s growing number of hubs joining Barcelona, Bergen, Cardiff, Tbilisi and Wrocław. The new Hub is situated in the Hungarian Academy of Sciences building, from which the event was streamed live.

During the event, Tamás Freund MAE, President of the Hungarian Academy of Sciences and Sierd Cloetingh MAE, President of Academia Europaea each gave a welcome address. Professor Cloetingh referred to the opening of the new Hub as a milestone for Academia Europaea. László Lovász MAE, Academic Director of the AE Budapest Knowledge Hub and Former President of the Hungarian Academy of Sciences, delivered an opening address, followed by a series of presentations on four thematic missions of the AE Budapest Hub and scientific lectures.

The AE-BKH wishes the Budapest Knowledge Hub the best of luck as it begins its operations, and looks forward to working together on AE initiatives.

8. WEB COMMUNICATIONS, SOCIAL MEDIA AND DIGITAL

The Barcelona Knowledge Hub of the Academia Europaea (AE-BKH) devotes special attention to its web communications, social media and digital content, as this area serves a double purpose: first, it enables the AE-BKH to promote and share news of its activities in a timely and visually striking way; and second, it permits the AE-BKH to create an international academic community of both AE Members and non-Members in a way that bears in mind their geographic dispersion.

During 2020, the AE-BKH was exceptionally active in this area, as restrictions on in-person activities due to COVID-19 equated with an **increase in on-line activities**. Highlights from the year include: the first all-virtual AE-BKH activities, namely the “Symbiotic Life” documentary series, the Barcelona Dialogue 2020 summer course, and the *Disputatio* of Barcelona, “Cities, Climate and Pandemics: Reflections from Urban Studies and Environmental Economics”; and also ‘hybrid’ activities featuring both (limited) in-person and on-line attendance, such as the concert, “Music by Women Composers”, streamed live on YouTube. These tools demonstrated their capacity to reach new audiences.

As in the past, scientific communications specialist Rubén Duro continued to serve the Hub as web-master and manager of digital content, social media, and web communications.

8.1 WEB COMMUNICATIONS

The AE-BKH manages the following websites to communicate information about its activities:

AE-BKH institutional website, barcelona.acadeuro.org

By the end of 2020, the AE-BKH website had a total of **67,901 accumulated visitors** and almost **1,246,339 page views**. This represents an increase of **+41.46%** in the total number of visitors and of **+65.78%** in the total number of page views, with respect to the previous year. During 2020, **44 new pages** were created and **438 updates** made to the AE-BKH website.

Building Bridges conference website, buildingbridges-acadeuro.org

Due to the COVID-19 pandemic, the annual Building Bridges conference was not held in 2020, thus activity on the **Building Bridges** website was minimal during the year.

8.2 SOCIAL MEDIA

FACEBOOK PROFILES

The AE-BKH manages two Facebook accounts:

- **Barcelona Knowledge Hub, @ae.bkh**
- **Disputatio de Barcelona, @DisputatioBarcelona**

The first one (@ae.bkh) posts information regarding all AE-BKH activities and events, while the second one (@DisputatioBarcelona) is used exclusively to provide information about the annual *Disputatio* of Barcelona. Thus, the latter has a greatly reduced level of activity as compared to the former, which is limited to the dates surrounding the event.

By the end of 2020, the two accounts together had a total of **344 followers**, representing an increase of approximately **+23.7%** approximately as compared to the previous year. The total audience reached grew from **4,427** to **5,821** during 2020, representing a **+31.5%** improvement.

TWITTER PROFILE

The AE-BKH manages one Twitter account:

- **Academia Europaea** (@ae_barcelona)

During 2020, the aforementioned account had received a total amount of **35,573 impressions**, **630 engagements** and **832 followers**. These data represent increases of **-24.2%**, **+13.5%** and **+5.6%**, respectively, with regards to the previous year.

The table below shows the increase in activity on the AE-BKH websites and social media accounts:

On-line impact comparison between 2019 and 2020 (Data from 1st January - 31st December 2020)				
	Indicator	2019	2020	Performance Improvement
WEBSITE	Accumulated visitors	48,000	67,901	+41.46%
	Page views	750,000	1,243,339	+65.78%
FACEBOOK	Followers	235	297	+26.4%
	Reached	4427	5821	+31.5%
TWITTER	Engagements	555	630	+13.5%
	Followers	788	832	+5.6%

8.3 DIGITAL CONTENT

In terms of digital content, AE-BKH carries out various specific actions. The main two are:

1. **Barcelona-in-Action Digital Archive**, a repository of photographs and videos filmed and edited by AE-BKH. The **Photo Gallery** is located on the AE-BKH website server at <http://barcelona.acadeuro.org/home/barcelona-in-action-digital-archive/gallery/>, while the **Video Gallery** (with 2,400+ views) is on the **YouTube** and **Vimeo** platforms, with links available at http://barcelona.acadeuro.org/home/barcelona-in-action-digital-archive/video_gallery/.

During 2020, **11 new videos** were added, five of which comprise the “Symbiotic Life” documentary series, featuring footage of symbiotic relationships involving microscopic organisms.

2. **BarceloNEWS**, the digital AE-BKH newsletter containing news of past and upcoming activities. This publication is also sent by e-mail several times a year to AE subscribers.

During 2020, **6 new editions** were published and distributed on-line at <http://barcelona.acadeuro.org/home/barcelona-in-action-digital-archive/documents/barcelonews/>

9. PARTNERS OF THE AE-BKH

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

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

The AE-BKH wishes to express its heartfelt gratitude to its partners.



For more information:



Academia Europaea-Barcelona Knowledge Hub

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Academia Europaea Bergen Knowledge Hub

AnnualReport2020

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THE ACADEMY OF EUROPE
BERGEN KNOWLEDGE HUB

Introduction

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

2020 turned out to be a different year than envisaged, due to the COVID-19 Pandemic which severely constrained our activities from March and onwards. Most work has been done online and from home offices, and several of our planned events have been cancelled or postponed to 2021. Despite this, AE-Bergen has found ways to resume close to normal activities using digital tools.



Academic Director of the Academia Europaea Bergen Knowledge Hub, Eystein Hansen.

We foresee that the pandemic will influence a large part of 2021 and likely influence academic life in years to come. As digital forms of exchange and communication have replaced physical meetings and shown that it is possible to do without many travels, we will probably converge to a less physical and more digital way of conducting our activities, or hybrids between the two.

The pandemic raises many questions and gives rich and novel data sets for many investigations of our societies, including health care systems, governance, scientific prioritizations and science communication – to name some.

It is already clear that many countries considered to be very resilient to disruptions, and with seemingly strong health care systems, have not lived up to such expectations. Others have handled the pandemic surprisingly well, despite having health care systems considered to be vulnerable prior to the pandemic. The evidence now at hand underscores the necessity of a renewed discussion on the role of science advice for policy, and the role of politics vs expert opinions in decision-making in crises.

One of the principles underlying the foundation of the Academia Europaea is the need for impartial expert advice to public and private bodies. With over 4000 eminent scientists and scholars from a variety of disciplines and cultures as members, the academy can comment on scientific or academic matters independent of any national or organizational bindings and is well suited to offer advice to appropriate bodies in Europe, both in normal times and in times of crisis.

(Bergen, March 2021)

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 theregion.
- 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.

2021 will be the first year of our new Strategic Plan, which 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 on <https://aebergen.w.uib.no/>. 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 will co-organise 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 will 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 com-

municate broadly through web local forums and arenas that r 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.

ACTIVITIES IN 2020 - HIGHLIGHTS

January

- Nomination of candidates to SAPEA working group on Biodegradability of plastics in the open environment.
- Participation at the Arctic Frontiers conference – ‘Power of Knowledge’ in Tromsø.
- Side event at the Arctic Frontiers conference: ‘Science advice for policy: Who asks, who gives, and who listens?’ Jointly organised by UiB, AE Bergen, Bjerknes Center for Climate Research, The Norwegian Academy of Science and Letters, UiT The Arctic University of Norway. Eystein Jansen was moderator (web recorded).
- Academic Director Eystein Jansen participated by invitation at Arctic Ocean Decade Workshop: Policy-Business-Science-Dialogue, side event at the Arctic Frontiers Conference. Organised by The Research Council of Norway, Arctic Frontiers, and IOC of UNESCO.

February

- Participation at the national SDG conference in Bergen.
- Academic Director Eystein Jansen participated in a workshop on ‘Science advice and Science diplomacy’, side event at the SDG conference. SAPEA/SAM and the MASOS report was presented by Eystein Jansen and SA-PEA working group member professor Jeroen Pieter Vander Sluijs.
- Outreach event: A metal science opera ‘Fish to Mars’. Cultural event for students and participants at the SDG Conference. Initiated and financially supported by AE Bergen.
- Meeting in Bergen with the General Secretary of the Norwegian Technological Academy (NTVA). The aim is to establish a formal collaboration agreement.



Jeroen Pieter van der Sluijs at the workshop on ‘Science advice and Science diplomacy’, at the SDG conference. Photo: Eivind Senneset for the University of Bergen.



Signing of a Conference Riga Declaration on cooperation, science and innovation in the Baltic Sea Region.

- Participation in Conference in Latvia: Innovation – Power of the 21st century. Organised by the Latvian Academy of Sciences, University of Latvia and Smart Up BSR (Baltic Sea Region).
- Signing of a Conference Riga Declaration emphasizing the need and will for cooperation and strengthening science and innovation in the Baltic Sea Region.
- Second meeting of the Advisory Board (Zoom meeting)

March

- Participation at a preparation meeting for the UN negotiations on Biodiversity Beyond National Jurisdiction (BBNJ). Organized by The Foreign Ministry and UiB.

- Meeting with the State Secretary of The Norwegian Ministry of Foreign Affairs to investigate national interest/possibility to support cooperation with existing and planned AE hubs in Europe.

- The Hub delivered a written statement in the official hearing of a new strategy for The Norwegian Research Council arguing for a) the need for an independent national science advice mechanism in Norway and b) better funding and more independent mechanisms for evaluation of applications in free research programs.



Dag Rune Olsen from our Advisory Board at a panel discussion during the Rosendal Week (Rosendalsveko). Moderator Frøy Gulbrandsen to the right.

May

- Nomination of candidates to a SAPEA working group on Energy Transition in Europe.

- Postponed: The Rosendal-seminar for the Steering Group and Advisory Board on strategy and topics on societal/global challenges in need of evidence-based reviews, originally scheduled for May 2020, will at the earliest take place in the autumn of 2021 but more likely in 2022, due to COVID-19 restrictions.

- The Hub established a Norwegian registered not-for-profit company to be able to organise and coordinate activities e.g. for project management within Horizon Europe, and as a tool to serve the whole membership.

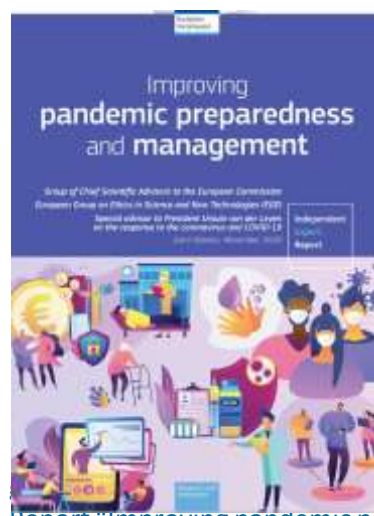
August

- Nomination of candidates to SAM (Scientific Advice Mechanism) expert group on 'How can Europe ensure adequate management of and better preparedness for future epidemics and pandemics in the global context?'. One of the candidates (Rebecca Cox) was a successful nominee.

- Participation at the Rosendal Week (Rosendalsveko), gathering knowledge institutions, business, society, and politicians in Western Norway to brainstorm ideas about climate, energy, and sustainable resource management.

- Recruitment process of new communications adviser. Nils Olav Sæverås started as communications adviser November 1st.

- Academic Director Eystein Jansen gave a presentation on various aspects of Open Access policies, and the position of the ERC at an Open Access seminar organised by the Norwegian Academy of Science and Letters.



Report "Improving pandemic preparedness and management".

November

- Interview on the AE-Bergen website with

Professor Rebecca Cox, head of the Influenza Centre in Bergen, following the publication of the In-dependent Expert Report “Improving pandemic preparedness and management”.

December

- Steering Group extended with a new member: Ole Øvretveit, CEO of Initiativ Vest, a regional ThinkTank for the West-Coastal area of Norway.
- AE-Bergen Steering Group meeting: One of the main topics was discussion of the hub’s strategyplan, which was approved with some suggested adjustments. Professor Matthias Kaiser held a pre-sentation on ‘Science-policy interface in the COVID-19 era – contours of the academic, political andpractical challenges’.
- Participation at the launch event for the new Academia Europaea Budapest Hub.

January 2021

- Production of a short video describing the mission of AE, AE-Bergen Hub and SAPEA for the Arc-tic Frontiers conference 2021 ‘Building Bridges’ (see below).
- Inaugural meeting of the joint AE-Bergen – Horizon lecturescommittee.
- Meeting with the Estonian Academy of Science (EAS). Back- ground: The Norwegian Embassy in Tallinn has suggested to hold a conference on Arctic research for the Estonian Polar Research Committee in fall 2020 on the matter to mark both 100 years of diplomatic cooperation between Norway and Es- tonia and the application of Estonia for an observer seat in theArctic Council. We discussed both the framing of such a confer-ence and other possibilities for cooperation between EAS and AE-Bergen. Planning of the conference is in progress (thus withuncertainties due to COVID-19) involving the Norwegian embas-sy, EAS and AE-Bergen.



February 2021



- Participation at the online conference Arctic Frontiers – ‘Building Bridges’ in Tromsø. AE-Ber- gen was represented by a virtual stand showing our new video (also presented in the main pro-gramme) and AE-strategy documents. Due to limited numbers of side-events compared to non-online conferences, our planned side event on Arctic Ship- ping will take place as an Arctic Frontiers webinar instead, scheduled for April 7thParticipation at the onlinenational SDG conference in Bergen.

[Bergen – our beautiful home city.](#)

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 net-work 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.

Academic Director and Hub Administration of AE-Bergen

Academic Director Professor Eystein Jansen
Eystein.Jansen@uib.no (part time dedication)



Hub Manager Kristin Bakken
Kristin.Bakken@uib.no (part time dedication)



Project Manager Trine Steensæth Pedersen
Trine.Steenseth@uib.no (part time dedication)



Communication Adviser Nils Olav Sæverås
Nils.severas@uib.no (part time dedication)



AE-Bergen office and contact

Visitor Address: Muséplassen 1, Bergen

Postal address: The Academia Europaea Bergen Knowledge Hub, UiB, Postboks 7800, 5020 Bergen, Norway

E-mail: AEbergen@uib.no

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

Advisory Board members in 2020

- Dag Rune Olsen; MAE, Chair, Rector, Professor, Univ. of Bergen, Norway (Medical physics)
- Erland Källén; MAE, Professor, University of Stockholm, Sweden (Meteorology/Climate)
- Marja Makarow; MAE, Professor, Biocenter Finland (Molecular cell biology), President elect of AE
- 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 2020

- 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)

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.
-



ACADEMIA⁰ EUROPAEA
CARDIFF KNOWLEDGE HUB

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



INTRODUCTION

Welcome to our Annual Report 2020.

In the report, we summarise our progress towards meeting the goals we set ourselves for the year. This is the first year of our new Strategic Plan, which runs from 2020 to 2023. When we introduced it, we obviously had no awareness that a pandemic was to arrive in the Spring. Since March, the Cardiff Hub team has been working from home and, with no physical meetings possible, we have had to adapt quickly, developing our online capacity and capability.

On the first of our primary objectives, we have completed work on our third evidence review for the European Commission. The report, *Biodegradability of Plastics in the Open Environment*, was published by the SAPEA consortium in December. This was the first review to be conducted from beginning to end solely by virtual means rather than physical meetings. The success we have had in fostering a sense of collegiality between members of the expert group has demonstrated that it is possible to collaborate in completely new ways.

Indeed, our willingness to embrace the digital world has become integral to delivering our programme of work. This year, we made the transition from physical to online events, with three major webinars taking place on important topics. One obvious advantage of bringing down barriers of distance and time is that we have been able to attract large international audiences, helping to raise our profile across the world.

Despite the uncertainties that 2021 may bring, we have shown ourselves capable of rising to challenges, and we are developing our sustainability planning with that aim in mind.

I would like to thank members of the Hub Steering Group and, in particular, our first Chair, Sir John Skehel MAE FRS. I am delighted that Sir Mark Walport MAE FRS has become our next Chair, with Sir John continuing to serve as a member of the Group.



Professor Ole Petersen

CBE FMedSci FLSW MAE ML FRS

Academic Director, Academia Europaea Cardiff Knowledge Hub

HIGHLIGHTS IN 2020

■ Publication and handover of the SAPEA Evidence Review Report on *Biodegradability of Plastics in the Open Environment*, meeting the time schedule agreed with the European Commission



■ Completion and submission of SAPEA's *Sustainability Plan*, the work on which was led by the Cardiff Hub. The Plan is being used by SAPEA to



■ A successful transition from physical to online events, with three major webinars that attracted a large international audience



■ Further development of the Hub website, with more in-depth content and greater engagement via social media



Our achievements are set out in the context of the four priorities in the Strategic Plan 2020-2023:

1. Continue to play a major role in providing science advice for policymaking
2. Promote excellence through showcasing outstanding research and engaging with our members
3. Build connections with a wider group of stakeholders
4. Aim to achieve ongoing sustainability of the Cardiff Knowledge Hub



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

Continuing 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

The Hub led the latest evidence review undertaken by SAPEA, on the topic of *Biodegradability of Plastics in the Open Environment*. The review has informed the policy-based Scientific Opinion of the European Group of Chief Scientific Advisors. With the first Working Group meeting taking place at the end of February and regular meetings held throughout the period of the pandemic, this was the first review to be conducted entirely via virtual means. The report was presented to Chair of the Advisors, Professor Nicole Grobert, at the official handover event on 14th December. European Commissioners Gabriel and Sinkevičius were in attendance. There will be an extensive campaign of promotion and outreach throughout 2021.

The Hub oversaw a comprehensive systematic review on the European food policy landscape, on behalf of SAPEA. The systematic review was specifically requested by the Group of Chief Scientific Advisors and published in March, alongside SAPEA's Evidence Review Report, *Towards a Sustainable Food System*. The systematic review involved a novel partnership between methodologists (members of Cardiff's Specialist Unit for Review Evidence (SURE) and Cardiff University Library Service) and subject experts. An advisory panel was assembled to support the review, chaired by Professor Terry Marsden, Director of Cardiff's Sustainable Places Research Institute (PLACE) and including Professor Roberta Sonnino, Director of Cardiff's Research Centre for Urban and Regional Food Systems (SURF).



PRIORITY 2:

Promote excellence through showcasing outstanding research and engaging with our members

Showcasing 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.

Producing really engaging online content has been a priority, due to the constraints on physical events brought about by the pandemic. Throughout the year, we have continued to develop our website and social media communications, as well as maintaining traditional formats like the quarterly newsletter, which is sent to the entire AE membership and other key stakeholders.

The website has been a major focus, with the creation of a regular stream of news stories keeping our online homepage fresh and interesting. In particular, we have been collating articles related to COVID-19, written by members of Academia Europaea. Our dedicated COVID-19 page is in the top 5 most popular pages on our website and the series is also featured on AE's main website.


Our interview series with members of Academia Europaea continues to grow, each interview showcasing their research and exploring views on key issues in their field. In 2020, we published 8 further interviews:



Professor Peter Barnes MAE FRS
Professor of Medicine
National Lung and Heart Institute




Professor Yike Guo MAE
Professor of Computing Science
Imperial College London



Professor Peter Jackson MAE, FBA
Professor of Human Geography
University of Sheffield




Professor Martin McKee MAE
Professor of European Public Health
London School of Hygiene and Tropical Medicine



Professor Barbara Prainsack MAE
Professor of Comparative Policy Analysis
University of Vienna



Professor Nils-Eric Sahlin MAE
Professor of Medical Ethics
University of Lund



Baroness Onora O'Neill MAE FBA FRS
Member of the House of Lords



We also published our first video interview with:
Gemma Modinos FYAE
Chair of the Young Academy of Europe

In February, we published a comprehensive event report, *The Future of Research: Assessing the Impact of Plan S*. The report provides a summary of the talks and discussions that took place at our international symposium, held in collaboration with and hosted by KU Leuven in November 2019.

Everything we feature on our website is the basis for our social media activity. Whilst we undertake some activity on Facebook, Twitter remains our key focus. Our followers have increased significantly this year from 363 to 490. With more followers, we are benefitting from an increasing number of impressions. Our communications via social media successfully raise awareness of the Hub and this in turn drives traffic to the news stories featured on our website and encourages registrations for our events.



Top Tweet earned 1,613 impressions

@INGSciAdvice's Global Week of Dialogue starts on Monday!

Looking forward to lots of exciting events around the theme of #ScienceAdvice & #COVID19, including SAPEA's webinar 'Science Advice: what works in a crisis?'

It's not too late to register: bit.ly/3fvNCCs
pic.twitter.com/CmA8vVxW1P

Part of the INGA Global Week of Dialogue

Science advice: what works in a crisis?
 10 September 13:30-15:00 CEST

Register now! bit.ly/3fvNCCs

Top Tweet earned 7,795 impressions

Gemma Modinos @g_modinos, new Chair of the Young Academy of Europe @yacadeuro, talks about her vision and priorities for the YAE in our first video interview.

Watch the full interview here:
bit.ly/3m9U7z5 pic.twitter.com/inHbHuEuiJ

Top media Tweet earned 1,884 impressions

Read a summary of the talks & discussions that took place at our international symposium on #ImpactPlanS @KU_Leuven.

Distinguished speakers included Open Access Champion for @cOAlitionS_OA, @JohanRooryck & @ScienceEurope President, @marcschiltz1.

bit.ly/37cs8CZ
pic.twitter.com/bVh62DYhWf

Top Tweet earned 4,105 impressions

Listen to Professors Péter Hegyi @TMFoundationHQ, Stephen Holgate @unisouthampton & Ole Petersen @cardiffuni share new perspectives on how to translate scientific evidence into clinical practice.

Webinar: The #FutureOfTranslationalMedicine' 29 June
bit.ly/2YB0w66
pic.twitter.com/uQRKcXaK9b

Our concerted efforts to showcase our members' achievements and promote our work at such a challenging time has resulted in a significantly improved performance in terms of marketing impact, as the table below illustrates.

Summary of online marketing impact, comparison between 2019 and 2020. Data from 1st January – 31st December 2020				
	Indicator	2019	2020	Performance improvement compared to same period 2019
WEBSITE	Number of visits to the Hub website	7,546	12,986	↑ 72.0%
	Number of pages viewed on the Hub website	20,290	28,328	↑ 39.6%
	Number of new users	5,199	9,893	↑ 90.2%
TWITTER	Number of impressions	110,833	126,991	↑ 14.5%
	Number of active user engagements (e.g. re-tweets, likes) with the Hub Twitter account	2,254	2,815	↑ 24.8%
	Number of Twitter followers	363	490	↑ 34.9%

PRIORITY 3:

Build connections with the wider group of stakeholders

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

We started the year with two physical events, both linked to the *Making Sense of Science for Policy* Evidence Review Report, the work on which was led by the Cardiff Hub.

On 11th February, a well-attended workshop took place at the Royal Irish Academy, Dublin, to discuss the Evidence Review Report and its implications for policymaking at European and national level. The speakers at the workshop included Professor Rolf-Dieter Heuer (then Chair of the Group of Chief Scientific Advisors); Professor Ole Petersen (in his capacity as Vice-President, Academia Europaea and Director of the AE Cardiff Hub); Professor Maria Baghramian (SAPEA Working Group) and Professor Peter Halligan (Chief Scientific Adviser for Wales).



On 30th January, a panel discussion was hosted by the Cambridge University Science and Policy Exchange (CUSPE) at Magdalene College, Cambridge University. Speakers at the workshop included Professor Ole Petersen (representing SAPEA and the AE Cardiff Hub), Professor Susan Owens and Professor Andy Stirling, both members of the Working Group that produced the Evidence Review Report. Following the outbreak of the pandemic, we began making plans for webinars to replace physical events.



In June, the AE Cardiff Hub organised its first ever webinar to support Academia Europaea's Translational Medicine project. *The Future of Translational Medicine* attracted an international audience, with almost 300 people from 28 countries participating in the live session. The webinar was sponsored by MDPI and the Journal of Clinical Medicine. Professor Ole Petersen chaired the panel, which also included Professor Péter Hegyi MAE and Sir Stephen Holgate MAE.

A major international webinar on *Science Advice: What works in a Crisis?* took place on 16th September as a satellite event of INGSA's Global Week of Dialogue. Chaired by Professor Ole Petersen and with Sir Mark Walport as discussant, it featured a distinguished panel of speakers. The event was a collaboration between the Hub, SAPEA, the JRC, the Group of Chief Scientific Advisors and the European Group on Ethics (EGE). Over 240 participants attended the live session from 36 countries and the recording continues to be viewed on YouTube.

A webinar on *Food policy at a time of crisis: What should the future look like?* took place on World Food Day, 16th October. Chaired by Professor Ole Petersen, the webinar was a collaboration between the Hub, SAPEA, Cardiff's Sustainable Places Research Institute (PLACE) and the Group of Chief Scientific Advisors. An audience of 160 from 36 countries attended and the webinar is still being viewed on YouTube.

Ensure future sustainability

Aiming to achieve ongoing sustainability of the Cardiff Knowledge Hub.

In June, SAPEA published its *Sustainability Plan*, which lays out a roadmap for the consortium's future development in providing evidence for the European Commission's Group of Chief Scientific Advisors. Overseen by Academia Europaea, the work on the plan was undertaken by the Hub, with an interim report in 2019 and the final Plan in 2020.

We reported last year that the SAPEA project had been extended to end-2021, without additional budget. Over the summer, SAPEA has awarded an extra 600,000 EUR, to be used for science advice activities related to COVID-19. The Cardiff Hub will be able to bid for a share of this budget, in return for undertaking relevant work.



2020

RESOURCES

Staffing



Academic Director
Professor Ole Petersen
CBE FLSW FMedSci FRS



Knowledge Hub Manager
Louise Edwards



Executive Officer
Juliet Davies



Executive Officer (Projects)
Dr Mildred Foster

Finance

Under the Cooperation Agreement between Academia Europaea and Cardiff University, the University meets defined salary and non-staff costs. The SAPEA project covers the salary costs of personnel engaged on the project, both in the Hub and Cardiff University Library Services, in addition to associated travel costs.

GOVERNANCE

The Hub Steering Group plays an important role in shaping the Hub's future priorities and activities. In 2020, AE Cardiff was delighted to welcome two new members to its Steering Group, Sir Mark Walport and Professor Rudolf Allemann. Sir Mark Walport FRS MAE was the UK's Government Chief Scientific Adviser between 2013 and 2017 and the Chief Executive of UK Research and Innovation (UKRI) from 2017 to 2020. Professor Rudolf Allemann FLSW is Pro Vice-Chancellor of International and Student Recruitment at Cardiff University. In September, Sir Mark Walport was announced as the new AE Cardiff Hub Steering Group Chair, succeeding Sir John Skehel FRS MAE.

The following distinguished scientists and scholars serve on the Group and we thank them for their support:

Rudolf Allemann FLSW
Yves Barde MAE FRS
Nora de Leeuw FLSW
Dianne Edwards CBE FLSW FRS MAE
Theo D'haen MAE
Donald Dingwell MAE
Sir Stephen Holgate CBE MAE
Genoveva Martí MAE
Colin Riordan FLSW
Sir John Skehel FRS MAE
(Chair until 16th September 2020)
John Tucker FLSW MAE
Sir Mark Walport FRS MAE
(Chair from 16th September 2020)



AE Cardiff Hub Steering Group Meeting, 1st December 2020, chaired by Sir Mark Walport, attended by AE President-elect Marja Makarow



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www.aecardiffknowledgehub.wales

Tel: +44 (0)29 2068 8249

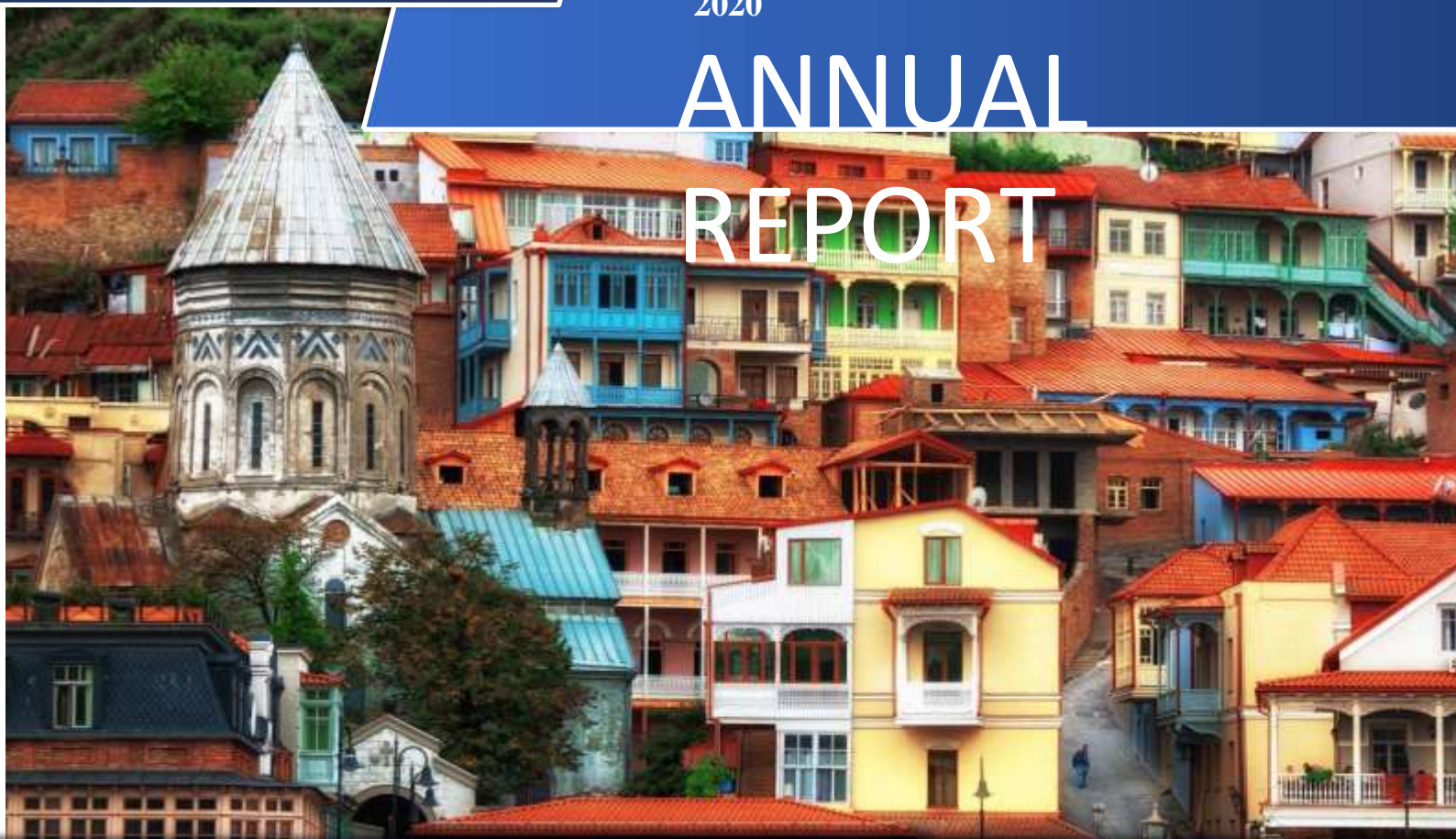
AECardiffHub@cardiff.ac.uk Twitter: @aecardiff

Hosted by



2020


ANNUAL REPORT



Academia Europaea Tbilisi Knowledge Hub

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1. Organization
 2. Highlights of 2020
 3. Distinguished Seminar Series
 4. Workshops and Competitions
 5. Management and Resources
- 
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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, appointed by the Rector of the Tbilisi State University, currently David Prangishvili, MAE. The Academic Director and the Advisory Board ensure the strategic direction and activities of the Hub.



ALEXANDER TSISKARIDZE



DAVID LORTKIPANIDZE



DAVID PRANGISHVILI



EVA KONDOROSI



GEORGE GEGELASHVILI



GEORGE SHARVASHIDZE



MARJA MAKAROW



MERAB KOKAIA



MIKHEIL CHKHENKELI



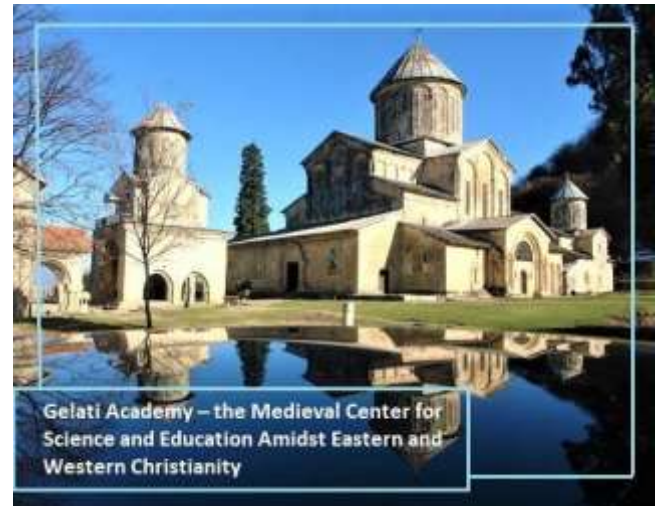
ZAAL KOKAIA

Highlights of 2020



www.aetbilisihub.org

Creation and further development of the AE Tbilisi Knowledge Hub website



Inauguration of the project “Gelati Academy – the Medieval Center for Science and Education Amidst Eastern and Western Christianity”



Organisation of scientific-creative competition for children “Draw me a Neutrino!”



Organization of public seminars in the framework of the Distinguished Seminar Series (DSS) using electronic platforms

Distinguished Seminar Series

The Crossroads

In the framework of DSS four public seminars were organized last year aimed at popularization of various fields of science and encouraging the exchange of ideas at “The Crossroads” - across the barriers of disciplines, time and space. Due to the pandemic situation, these seminars were conducted online.

ევროპის აკადემიის თბილისის რეგიონული ცენტრი
კამონძელი ბუმბაძეების სკოლა

გზა დამოუკიდებლობისაკენ

საერთოვლელ დემოკრატიული ჩესპუბლიკის 102-ე წლისთავი

THE WAY TO INDEPENDENCE

102th Anniversary of the Democratic Republic of Georgia

მომხსენებლები:
ბეკა კობახიძე
ირაკლი ხვადაგიანი
გიორგი ასტამაძე

Presenatiers:
Beka Kobakhidze
Irakli Khvadagiani
Giorgi Astamadze

On May 26, 2020, the seminar "The Way to Independence - 102nd Anniversary of the Democratic Republic of Georgia" with the participation of Beka Kobakhidze - Oxford University, Center for the Study of Russia and Eastern Europe (UK); Irakli Khvadagiani - Research Laboratory of the Soviet Past (Tbilisi, Georgia) and George Astamadze - Karlsruhe Institute of Technology (Germany). The seminar covered the European historical context of the foundation and the three-year period of the First Democratic Republic of Georgia (1918-1921).

ACADEMIA EUROPAEA
TBILISI KNOWLEDGE HUB

26 მაისი, 2020
თბილისი

On November 27, 2020, the seminar "The US Electoral System and The 2020 Elections", with the participation of professors and doctoral students of Ivane Javakhishvili Tbilisi State University: Teimuraz Papaskiri, Vasil Kacharava, Sofia Kobakhidze and George Labadze, was devoted to the peculiarities and current internal and foreign political processes, the specifics of the electoral system of the US, which creates an important climate in international relations on the example of the countries of the Transcaucasian region.

ევროპის აკადემიის თბილისის რეგიონული ცენტრი
კამონძელი ბუმბაძეების სკოლა

აშშ-ს საპარლამენტო სისტემა და 2020 წლის არჩევნები

THE US ELECTORAL SYSTEM AND THE 2020 ELECTION

მომხსენებლები:
თეიმურაზ პაპასკირი
ვასილ კაჭარავა
სოფია კობახიძე
გიორგი ლაბაძე

Presenatiers:
Teimuraz Papaskiri
Vasil Kacharava
Sofia Kobakhidze
Giorgi Labadze

ACADEMIA EUROPAEA
TBILISI KNOWLEDGE HUB

26 ნოემბერი, 2020
თბილისი

Distinguished Seminar Series

The Crossroads

ევროპის აკადემიის თბილისის რეგიონული ცენტრი
გამორჩეული სემინარების სერია

გზაჯვარედინები

**ქართული ხელნაწერების
ისტორიიდან**

**THE HISTORY OF THE GEORGIAN
MANUSCRIPTS**

საგბრობენ:
ნესტან ჩხიკვაძე
დარეჯან თვალთვაძე
მაია მატჩავარიანი

Presenters:
Nestan Chkhikvadze
Darejan Tvaltvadze
Maia Matchavariani



ACADEMIA EUROPAEA
TBILISI KNOWLEDGE HUB

10 დეკემბერი, 2020
ხუთშაბათი

On December 10, 2020, the seminar "**The History of the Georgian Manuscripts**", with participation of Nestan Chkhikvadze and Maia Matchavariani, *K. Kekelidze Institute of Manuscripts* and Darejan Tvaltvadze, *Ivane Javakhishvili Tbilisi State University*. The seminar has been focused on issues of Georgian cultural heritage, its diversity and European dimensions.

ევროპის აკადემიის თბილისის რეგიონული ცენტრი
გამორჩეული სემინარების სერია

გზაჯვარედინები

**KM3NET - ევროპული საკვლევინი ინფრასტრუქტურა
სმელთაგზაზე ზღვაში**

**KM3NET - EUROPEAN RESEARCH INFRASTRUCTURE IN THE
MEDITERRANEAN SEA**

მომხსენებელი:
რევაზ შანიძე

Presenter:
Revaz Shanidze



ACADEMIA EUROPAEA
TBILISI KNOWLEDGE HUB

22 დეკემბერი, 2020
სამშაბათი

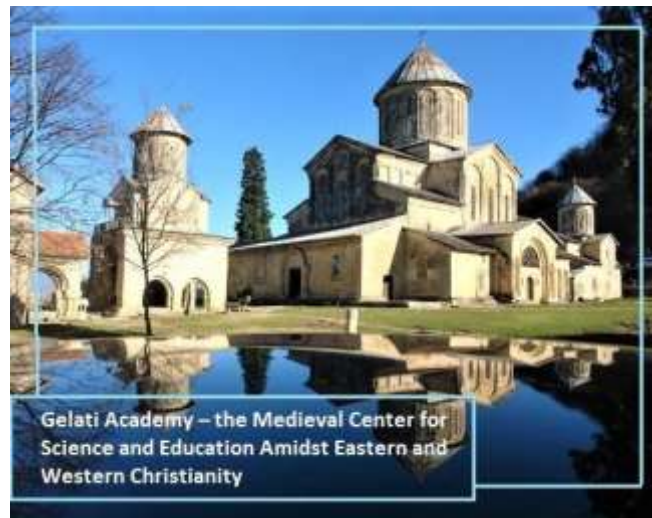
On December 22, 2020, the seminar: "**KM3NeT - European research infrastructure at the bottom of the Mediterranean Sea**"; professor of *Tbilisi State University* Revaz Shanidze presented a brief overview of the project implemented by the KM3NeT community through the research infrastructure in the Mediterranean Sea, which aims at a comprehensive study of neutrino physics and astrophysics.

Scientific Competitions and Workshops

“Gelati Academy – the Medieval Center for Science and Education Amidst Eastern and Western Christianity”

3-4 October, 2020

The *Academia Europaea* Tbilisi Knowledge Hub - in collaboration with *Iv. Javakishvili Tbilisi State University (TSU)* and the *Center of the for Eastern Christian Studies of TSU* – has launched a big project “**Gelati Academy – the Medieval Center for Science and Education Amidst Eastern and Western Christianity**”, with the objective to introduce the Gelati Academy as one of the oldest and most important scientific and educational centers in the Christendom to the wider international community. The project was inaugurated at the special workshop organized by the Hub on October 3-4 in Telavi, the center of Kakheti region.



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).

“Gelati Academy – the Medieval Center for Science and Education Amidst Eastern and Western Christianity”

3-4 October, 2020

Representatives of the following scientific centers and organizations have participated in the workshop organized by the *Academia Europaea* Tbilisi Knowledge Hub: *Ivane Javakhishvili Tbilisi State University (TSU)*, *TSU Center of the Eastern Christian Studies*, *TSU Institute of Art History and Theory*, *Gelati Academy of Sciences*, *K. Kekelidze National Center of the Georgian Manuscripts*, *Georgian National Museum*, *Kutaisi State Historical Museum*, *G. Chubinashvili National Research Center for Georgian Art History and Heritage Preservation*, *V. Sarajishvili Tbilisi State Conservatory*, *Kutaisi Historical-Archaeological Reserve of the Georgian Cultural Heritage Protection Agency*.



The participants discussed in details the objectives of the project and the subsequent steps of their implementation. The following action plan was identified: The establishment of a braintrust - a group of experts from various fields responsible for scientific content, strategy and implementation of the project; the organization of meetings of this group on regular basis.

1. The preparation of series of TV lectures for a broad audience on the significance of the Gelati Academy in the medieval European scientific and educational space;
2. The organization in September 2021 in Kutaisi of a specific workshop;
3. The organization in June 2022 of an international conference entitled “Gelati – the intellectual center of the medieval Christian World”;
4. The preparation of a reference work (to be published in Georgian and English) by a team of experts, which
— on the basis of available studies and their complex analysis — will highlight the impact of the Gelati Academy on the cultural life of the Christendom and on the development of various fields of medieval arts and sciences - history, philosophy, philology, architecture, fine arts and music.

The presentations given at the workshop concerned (1) Excavations on the territory of Gelati Monastery (presenter Roland Isakadze, *Kutaisi Historical-Archaeological Reserve*), and (2) Gelati Chant School, illustrated by life performance of church hymns from Gelati Chant School by the choir of the Alaverdi Cathedral (presenter Magda Sukhiashvili, *Tbilisi State Conservatory*).

Draw me a Neutrino!” - KM3NET Scientific-Creative Competition



In collaboration with The Cubic Kilometre Neutrino Telescope (KM3NeT) - The European research infrastructure, the Hub has co-organized the scientific-creative competition "Draw me a Neutrino", aimed for three age groups of children: children below 12, were asked to draw Electronic Neutrino, for the age between 13-19 the task was to draw Meon Neutrino, and for 20 years and above – the task was to draw Tau Neutrino. On the 4th November 2020, the winners were revealed. Due to the current pandemic situation, the award ceremony attended by 500 representatives from 16 countries was held through an electronic platform.

Management and Resources

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Introduction

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

Website Tasks

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

Activities 2020

- 1977 pages edited
- 1104 documents uploaded
- 90 News items posted
- 20 Events posted
- Generation and posting of membership statistics
- Management and upload of administrative pages (board meeting documents, council meeting documents, AGM documents, etc.)
- Creation of new website areas/(re)structuring of existing website areas
- Changes and improvements of navigation functionalities
- Support of the Knowledge Hubs regarding contact data, statistics, mail lists etc.
- Re-assignment of members from the Social Sciences and Behavioural sections. About 100 members responded and were manually re-assigned to the new sections

Database (technical part)

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

Activities 2020

- Restructuring of Sections of Class A2
 - As a result of this restructuring, all members from section Behavioural Sciences were temporarily moved to section The Human Mind and its Complexity and all members from section Social Sciences were temporarily moved to section Human Mobility, Governance, Environment and Space.
 - All original members from the sections Social Sciences and Behavioural Sciences were contacted and re-assigned to the new sections.
- Academia Europaea Voting Application
 - A voting app was implemented on the AE-Info website. So far, 4 ballots have been held, among others:
 - the extension of the Presidency of Professor Sierd Cloetingh
 - the election of the future President of the Academy
- Email Addresses on Member Pages
 - email addresses and the website user IDs were hidden on member pages
 - Anonymous access to the AE-Info website: no email addresses are displayed to the general public.
 - For members who are logged in: email addresses of other members will be displayed. (This is a service for the members in search of other colleagues and members.)
 - Members can choose if their email address is displayed to other members or not.

Database (content)

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

Activities 2020

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

Nomination Process

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

Activities 2020

- Adaptation of the nomination/acceptance forms:
 - Adaptation of the nomination/acceptance reflecting the changes in Class A2
- Assistance to members concerning the filling in of the nomination files
- 442 nominations registered
- Upload of nominations to the website, update and administration of access rights
- Electronic notification to class and section chairs
- Administration of section assessments
- Mails to 355 elected members
- 351 new members registered

1053 member pages edited, upload of photos

- Mails to non-respondents
- Administration of acceptances

Technical Support

The Graz Information Centre hosts the AE-Info server.

Activities 2020

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

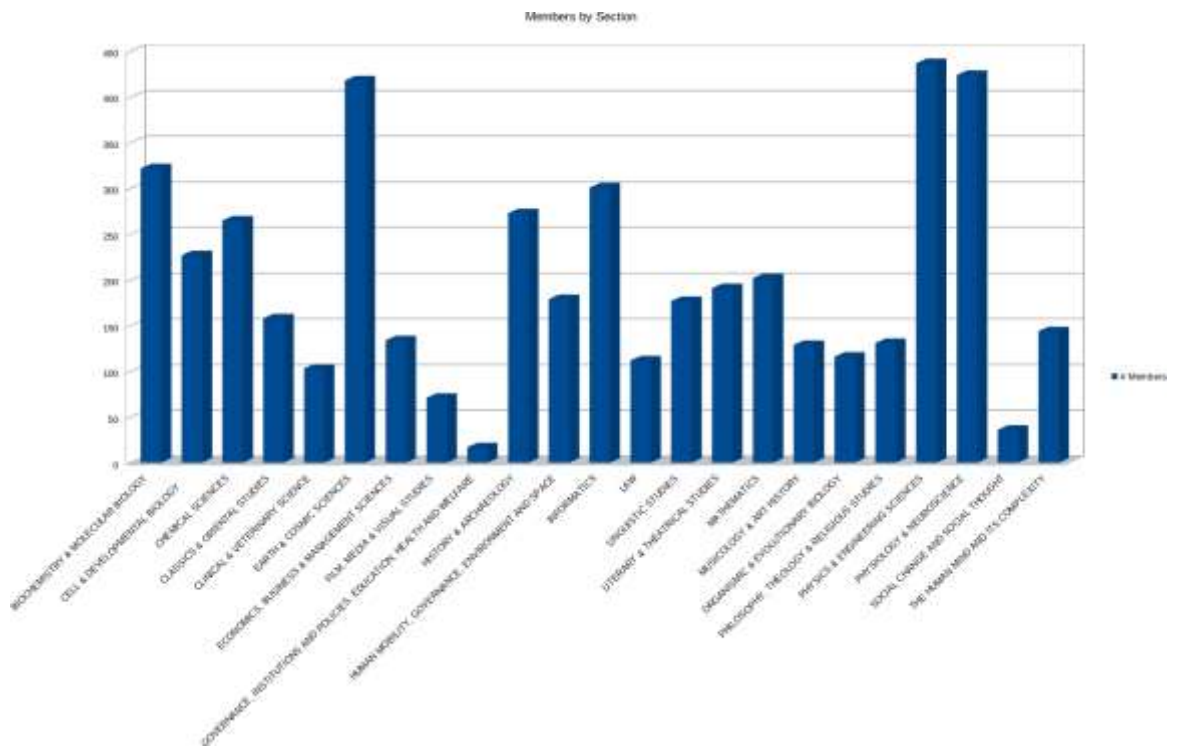
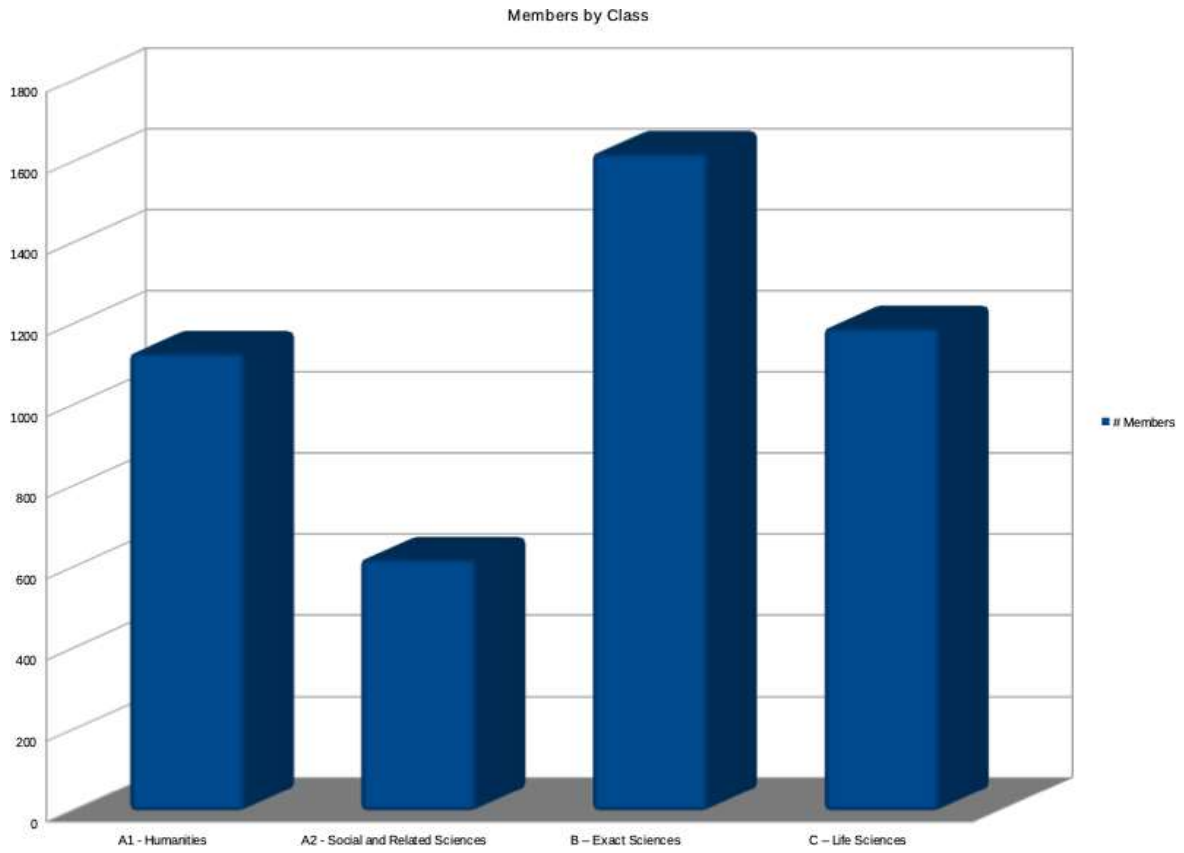
Twitter

The Twitter account of the Academy was created in 2015.

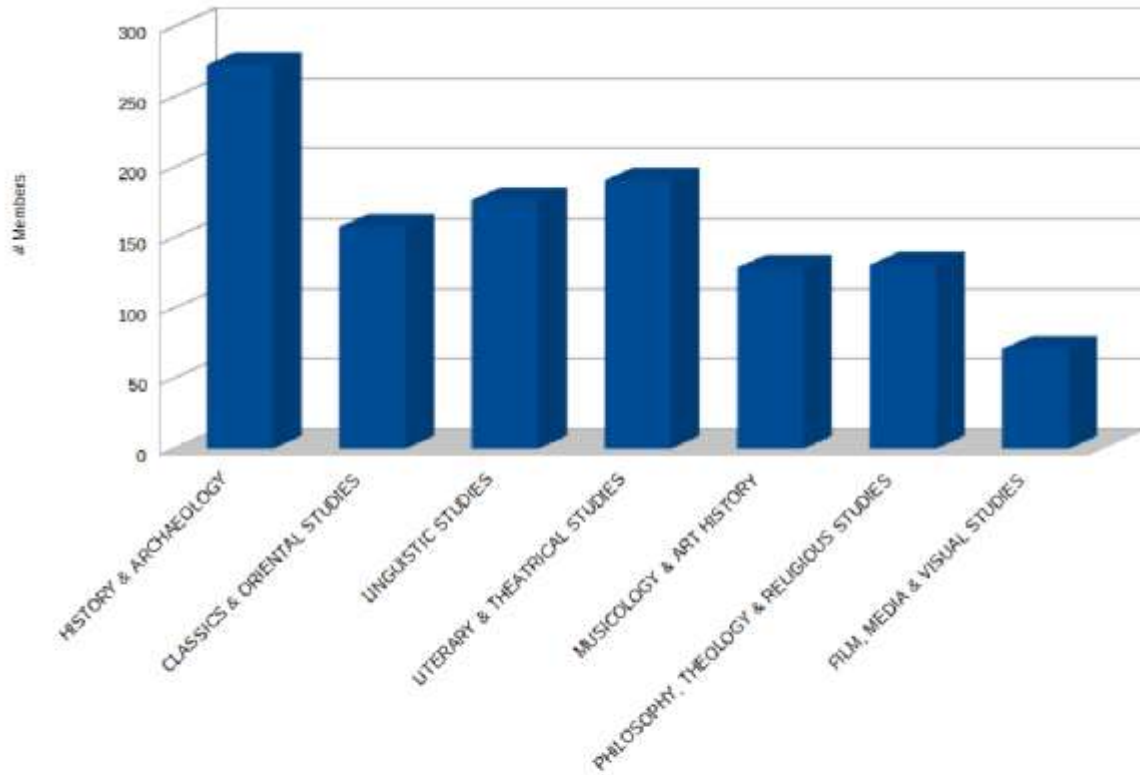
Activities 2020

- 1477 Twitter followers by 2020
- 31 tweets and 68 re-tweets posted

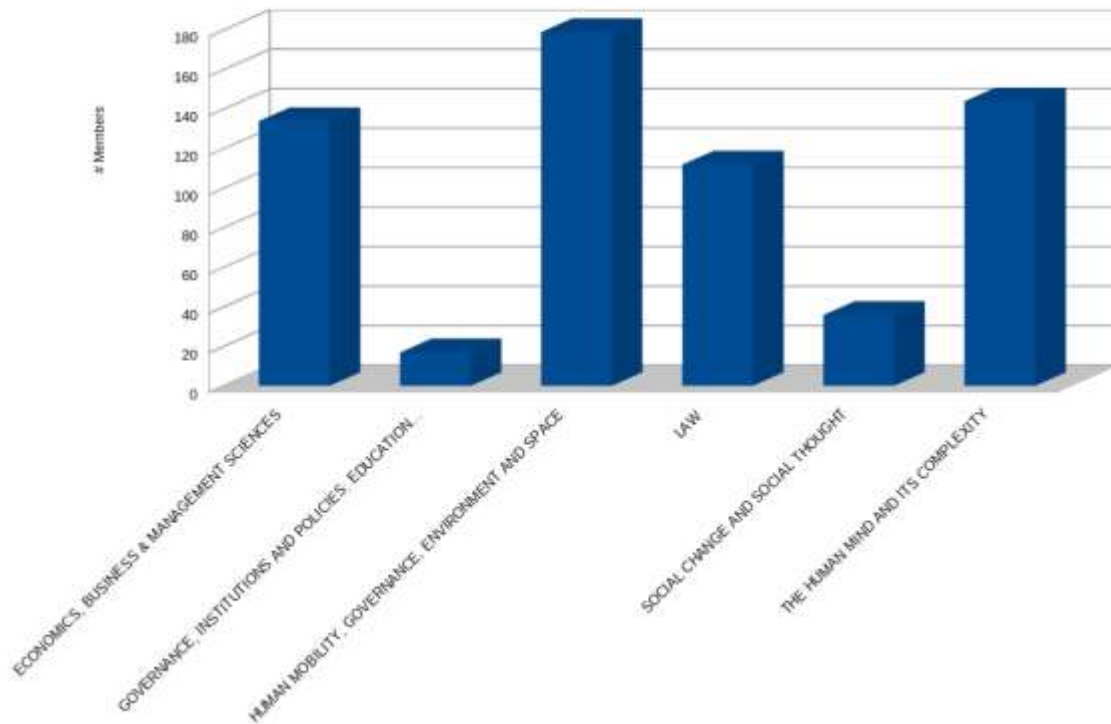
Some Member Statistics



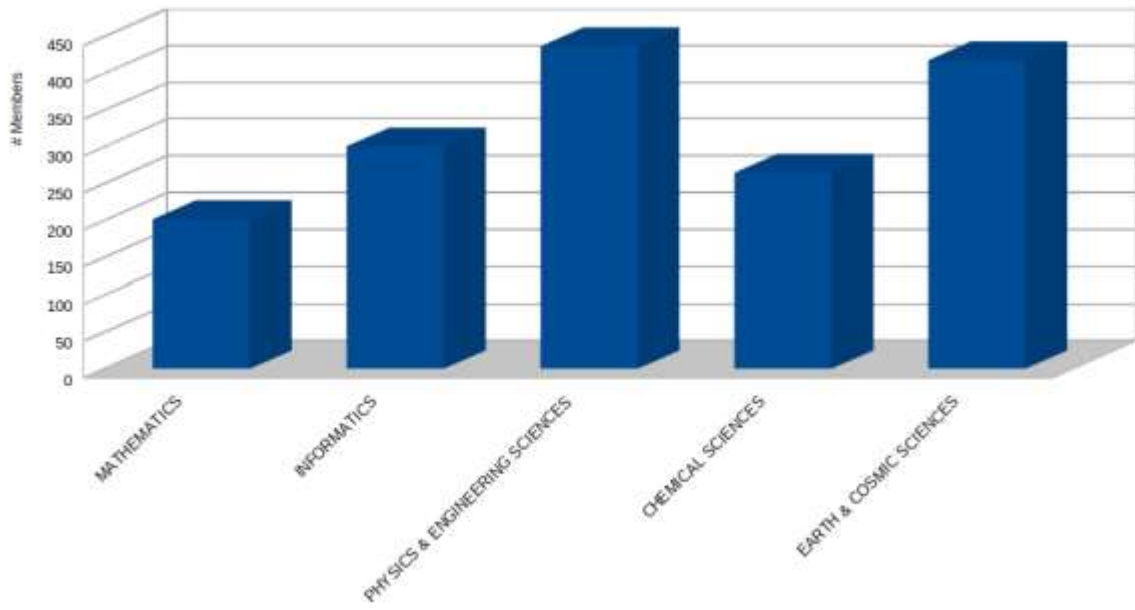
A1 - Humanities



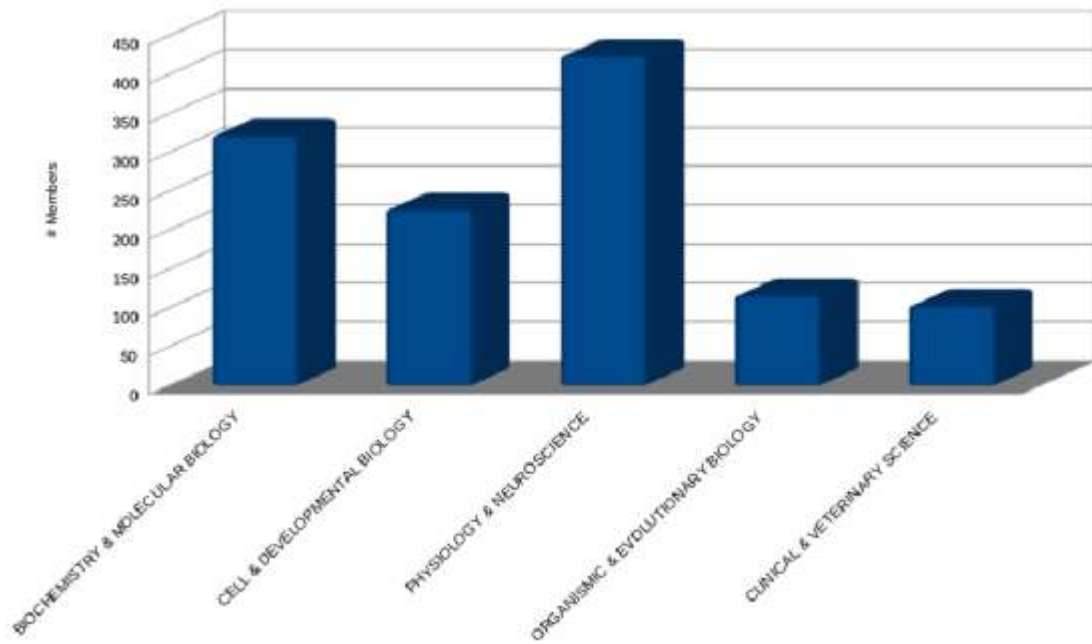
A2 - Social and Related Sciences



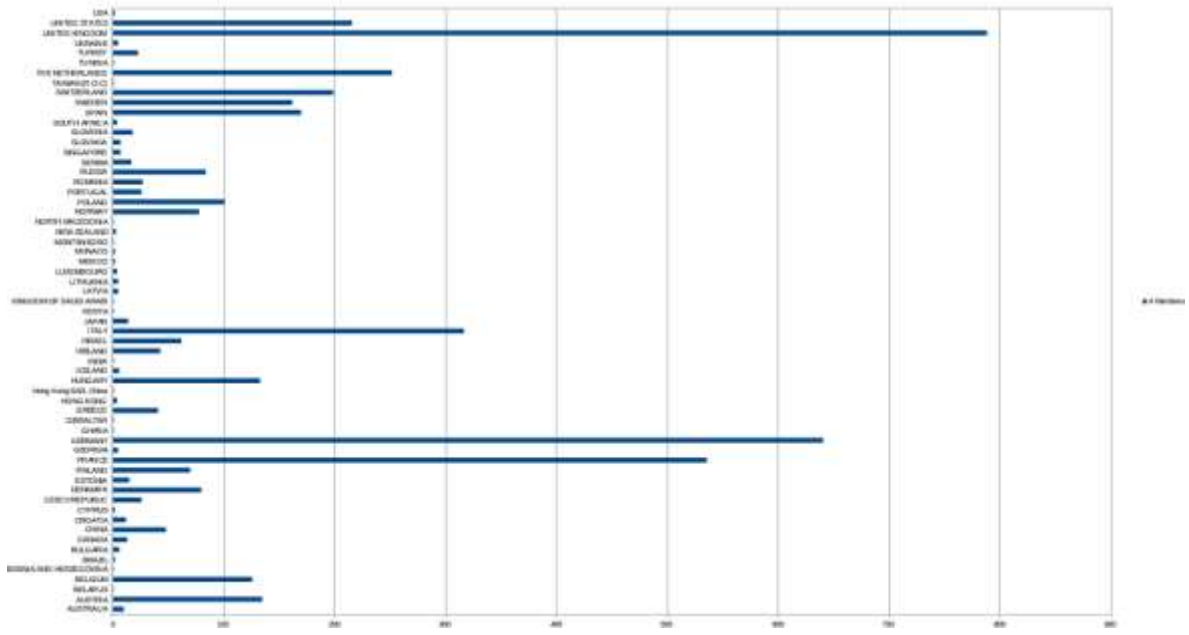
B - Exact Sciences



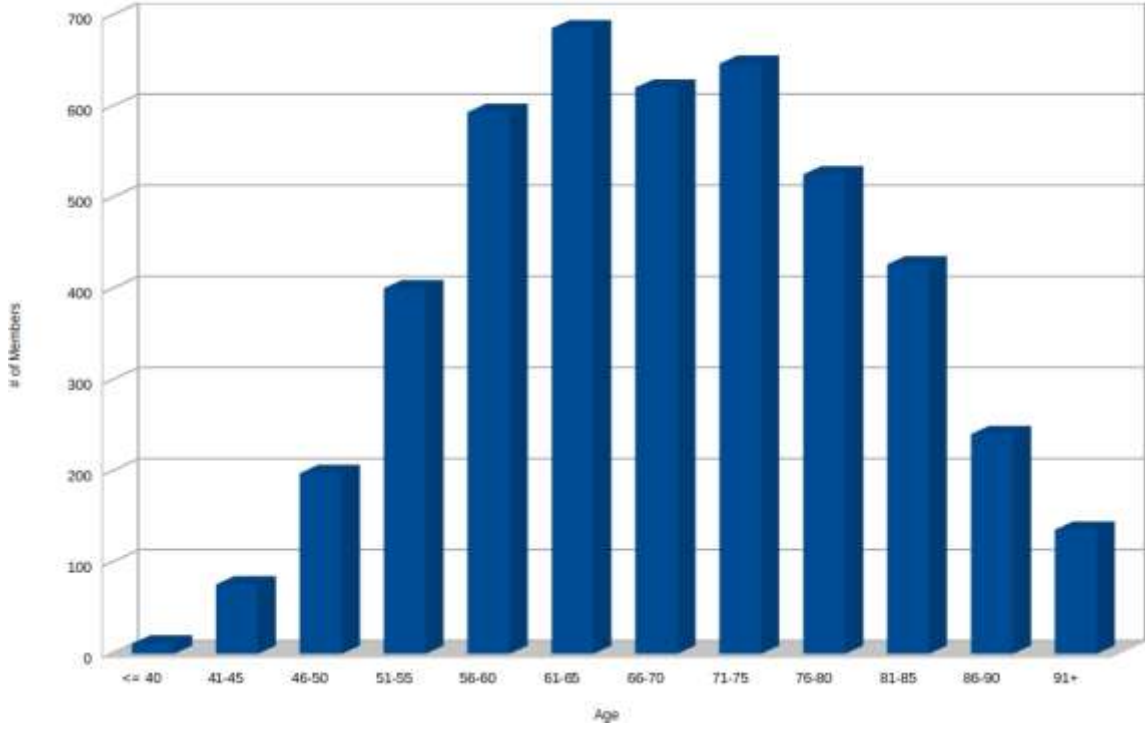
C - Life Sciences



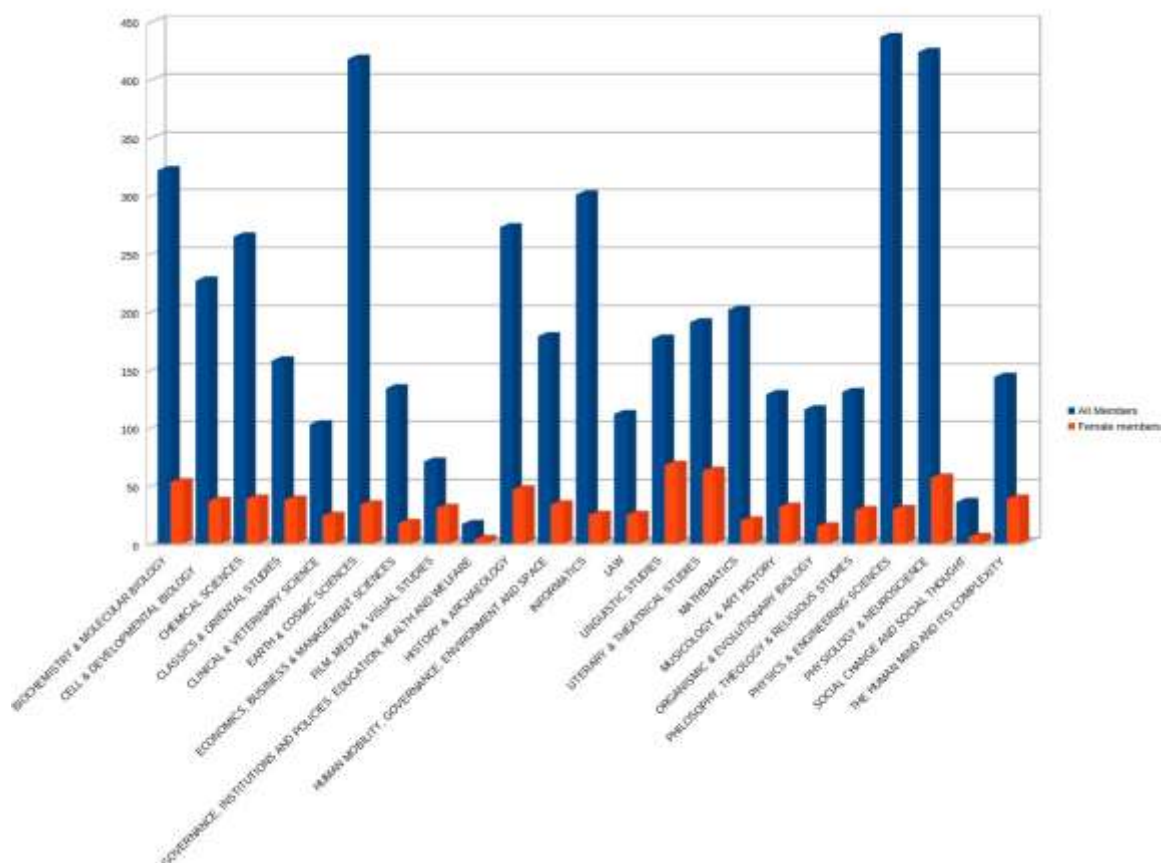
Members by Country of Residence



Age Profiles of Members



Female Members by Section



Staff



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Helmut Leitner



Chief Technical Officer
Robert Hoffmann



Administrator
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**ACADEMIA EUROPAEA WROCLAW KNOWLEDGE HUB
2020 ACTIVITY REPORT**

LECTURE BY PROF. PETER GÄRDENFORS *HOW HOMO BECAME SAPIENS* – 12 MARCH, 2020

On March 12, 2020, Academia Europaea Wrocław Knowledge Hub, The International Center for Formal Ontology, the Academia of Young Scholars and Artists and Institute of Philosophy of the University of Wrocław organized a meeting, that was a part of the "Philosophical Tuesdays". The keynote speaker - prof. Peter Gärdenfors, member of Academia Europaea, gave a lecture on *How Homo Became Sapiens*.

Prof. Gärdenfors is a cognitive scientist whose main area of research is decision theory, philosophy of science and language evolution. He is the author of such books as "Geometry of Meaning: Semantics Based on Conceptual Spaces", "Conceptual Spaces: Geometry of Thought" and *Homo Became Sapiens: On the Evolution of Thinking*.



filozoficzne wtorki

the

Naszim gościem będzie
Peter Gärdenfors (Uniwersytet w Lund, Szwecja).
Witajmy wyjątki wykład:
How Homo became sapiens



PROWADZENIE:
dr Urszula Lisowska
TERMIN:
czwartek, 12 marca, 18:00
MIEJSCE:
Panafo Café
Jedności Narodowej 68A
(oficyna w podwórzu)

"How



ONLINE CONFERENCE *MEDIA (&) LIFE AFTER/DURING COVID-19 PANDEMIC* – 26 OCTOBER, 2020

Academia Europaea Wrocław Knowledge Hub in cooperation with the Institute of Social Communication and Media at Maria Curie-Skłodowska University in Lublin and the Institute of International Studies of the University of Wrocław organized a conference titled "Media (&) Life After / During Covid-19 Pandemic" on October 26, 2020.



Media and social communication researchers from Europe participated in the discussion and presented the results of their research: the topics focused on the present and future of communication and media science in the face of changes brought by the pandemic, as one of the titles sums up: "Pandemic in media and media in a pandemic". Among the topics discussed by the speakers, various analyzes were made: how social distancing was experienced in the digital age; does the media informs or disinforms more nowadays, and what is the current impact on the moods and behaviors.

There was a place for discussion about new features such as "infodemia": for the first time in history, news concerning the corona virus were spread viral through *digital mass-self communication*. Digital ethics was also discussed – how autoauthorities can track, control and manage relationships and interpersonal interactions during the pandemic.

The eight main speakers at the event were members of the Academia Europaea, from the Film, Media and Visual Studies Section. The expert debate was followed by sessions allocating speeches by 24 scientists on current projects in the field of media science and social communication.

Research Methods

- Corpus: all Facebook comments to newspaper posts thematically related to COVID-19 by the largest newspaper account (n=2,100). Final sample: 750,000 comments.
- Methods:
 - KPI analysis (likes, replies)
 - Content analysis (NLP lexical analysis, topical analysis)
 - User pattern detection (frequency of posting, lexical analysis)

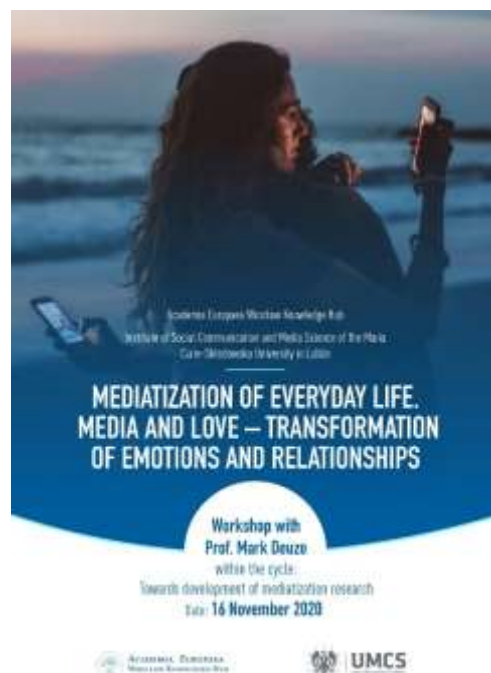
Media (&) Life After/During Covid-19 Pandemic ↓

Over 30 speakers from 20 different research centers around the world were present. The event was open for public via the Big Marker platform. 160 participants from over 30 countries participated in the conference. The footage from the event is available at: <https://vimeo.com/473492633/8314f9f208>

WORKSHOP: MEDIATIZATION OF EVERYDAY LIFE: MEDIA AND LOVE – TRANSFORMATION OF EMOTIONS AND RELATIONSHIPS” – 16 NOVEMBER, 2020

On November 16, 2020, Academia Europaea Wrocław Knowledge Hub and Marie Curie Skłodowska University in Lublin organized a full-day workshop entitled: *Mediatization of everyday life: Media and love - transformation of emotions and relationships*. The online event took place via the Google Meets platform.

The event was participated by scientists from 5 continents, 12 countries and 20 cities: Poland (Lublin, Olsztyn, Poznań, Wrocław), the Netherlands (Amsterdam, Tillburg), Canada (Toronto, Ontario), Great Britain (Cambridge, Syrracuse), Finland (Juvaskyla), Hungary (Budapest), Algeria (Algiers), Sweden (Orebro), Brazil (Sau Paulo). The workshop was closed to the public - as it was designed as an expert event during which researchers shared results from their research and described the current state of it; discussed on their future development and due to the multitude of opinions, could look wider on the case of media and social communication.



The workshop was started and conducted by Prof. Mark Deuze from the University of Amsterdam.

The event lasted over 10 hours and resulted in a constant discussion with the highest activity of participants - the option of chat and ongoing questioning turned out to be highly effective. The participants declared to submit their articles to the planned post-workshop publication.