

Company Registered number  
07028223

Charity Registered number  
1133902

THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)

Report and Financial Statements

31 December 2021

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

**THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**  
**Report and accounts**  
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## **THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**

### **Company Information**

#### **Directors**

Professor Dr Sierd Auke Pieter Leonard Cloetingh (resigned on 1 January 2022)

Professor Theo D'Haen (resigned on 31 December 2021)

Professor Eva Kondorosi

Professor Ole Holger Petersen

Professor Donald Dingwell

Professor Genoveva Marti (resigned on 31 December 2021)

Professor Bjorn Wittrock

Professor Paolo Papale (Appointed on 1 January 2022)

Professor Paul Holm

Dr Oskar Mencer

Professor Eystein Jansen (appointed on 01 January 2021)

Professor Marja Tertu Makarow (appointed on 01 January 2021)

#### **Secretary**

Dr David Coates

#### **Examinor of accounts**

Keith Vaudrey & Co Ltd

Chartered Certified Accountants

51 Marloes Road

London

W8 6LA

#### **Bankers**

CAF Bank Ltd

25 Kings Hill Avenue

West Mailing

Kent

ME19 4JQ

Natwest Bank PLC

NatWest Regent Street

250 Regent Street

London

W1B 3BN

#### **Solicitors**

Hewitson Becke + Shaw

Shakespeare House

42, Newmarket Road

Cambridge

CB5 8EP

#### **Registered office**

Room 251 Senate House

Malet Street

London

WC1E 7HU

#### **Company Registered number**

07028223

#### **Charity Registered number**

1133902

## **THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**

**Registered number:** 07028223

### **Directors' Report**

The trustees (who for company law purposes are the Directors) present their report and financial statements for the year ended 31 December 2021.

#### **Principal activities**

The company's principal activity during the year continued to be the promotion of International scholarship, research, provision of training in higher education. Some of the aims of the organisation are to make recommendations to national governments, international agencies concerning matters affecting science, scholarship and academic life in Europe. Also, encouraging interdisciplinary and international research in all areas of learning.

#### **Directors**

The following persons served as trustees/ directors during the year:

Professor Dr Sierd Auke Pieter Leonard Cloetingh (resigned on 1 January 2022)

Professor Theo D'Haen (resigned on 31 December 2021)

Professor Eva Kondorosi

Professor Ole Holger Petersen

Professor Donald Dingwell

Professor Genoveva Marti (resigned on 31 December 2021)

Professor Bjorn Wittrock

Professor Paolo Papale (Appointed on 1 January 2022)

Professor Paul Holm

Dr Oskar Mencer

Professor Eystein Jansen (appointed on 01 January 2021)

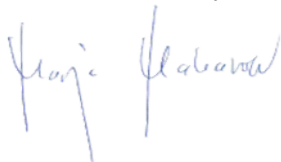
Professor Marja Tertu Makarow (appointed on 01 January 2021)

#### **Disclosure of information to independent examiner:**

Each person who was a trustee at the time this report was approved confirms that:

- so far as he is aware, there is no relevant information of which the company's independent examiner is unaware; and
- he has taken all the steps that he ought to have taken as a trustee in order to make himself aware of any relevant information and to establish that the company's independent examiner is aware of that information.
- the incoming resources is less than £1 million and that an audit is not required per SORP 2015 and FRS102. Based on the articles of association section 53, an examiner of accounts can examine the accounts.

This report was approved by the board on 20 June 2022 and signed on its behalf.



Professor Marja Tertu Makarow  
President

## **THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**

### **Statement of Trustees' Responsibilities**

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

Company law requires the trustees to prepare financial statements for each financial year. Under that law the trustees have elected to prepare the financial statements in accordance with United Kingdom Generally Accepted Accounting Practice (Financial Reporting Standard 102 and applicable law). Under company law 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 company and of the profit or loss of the company for that period. In preparing these financial statements, the directors 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;
- state whether applicable UK Accounting Standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- prepare the financial statements on the going concern basis unless it is inappropriate to presume that the company will continue in business.

The trustees are responsible for keeping adequate 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 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 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 account 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.

## **THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**

### **Report of the Independent Examiner to the Trustees of the charitable company on the accounts for the year ended 31 December 2021**

I report to the Trustees on my examination of the financial statements of the charitable company on pages 6 to 12 for the year ended 31 December 2021 which have been prepared in accordance with the Charities Act 2011 (the Act) and with the Financial Reporting Standard 102, (effective 1st January 2016) as modified by FRS 102 SORP (Statement of Recommended Practice for Accounting and Reporting by Charities) 2015, (as amended by the Bulletin issued in February 2016), (The SORP), published by the Charity Commission in England & Wales (CCEW), and under the historical cost convention and the accounting policies set out on page 9.

#### **Respective responsibilities of the Trustees and the Independent Examiner and the basis of the report**

As described on page 3, you, the charitable company's Trustees, who are also the Directors of the Company for the purposes of Company law, are responsible for the preparation of the financial statements in accordance with the Companies Act 2006, the Charities Act 2011 and all other applicable law and with United Kingdom Generally Accepted Accounting Practice, applicable to smaller entities, and for being satisfied that the financial statements give a true and fair view.

The Trustees consider that the audit requirement of Section 144(1) of the Charities Act 2011 (the Act) does not apply, and that there is no requirement in the memorandum and articles of the charity for the conducting of an audit, and that the accounts do not require an audit in accordance with Part 16 of the Companies Act 2006 and that no member or members have requested an audit pursuant to Section 476 of the Companies Act 2006. As a consequence, the Trustees have elected that the financial statements be subject to independent examination.

Having satisfied myself that the financial statements are not required to be audited under any legal provision, or otherwise, and are eligible for independent examination, it is my responsibility to:-

- a) examine the financial statements of the charity under Section 145 of the Act;
- b) follow the applicable procedures in the Directions given by the Charity Commission under section 145(5)(b) of the Act.

#### **Basis of Independent Examiner's Statement and scope of work undertaken**

Since the charitable company's gross income exceeded £250,000, the charitable company's examiner must be a member of a body listed in section 145 of the Act. I confirm that I am qualified to undertake the examination because I am an authorised member of Chartered Certified Accountants, which is one of the listed bodies.

I report in respect of my examination of the charity's financial statements carried out under s145 of the Act. In carrying out my examination, I have followed all the applicable Directions given by the Charity Commission under section 145(5)(b) of the Act setting out the duties of an independent examiner in relation to the conducting of an independent examination. An independent examination includes a review of the accounting records kept by the charitable company and of the accounting systems employed by the charitable company and a comparison of the financial statements presented with those records. It also includes consideration of any unusual items or disclosures in the financial statements, and seeking explanations from you, as Trustees, concerning such matters. The purpose of the examination is to establish as far as possible that there have been no breaches of charity legislation and that, on a test basis of evidence relevant to the amounts and disclosures made, the financial statements comply with the SORP.

The procedures undertaken do not provide all the evidence that would be required in an audit, and information supplied by the Trustees in the course of the examination is not subjected to audit tests or enquiries and does not cover all the matters that an auditor would consider in arriving at an opinion. The planning and conduct of an audit goes beyond the limited assurance that an independent examination can provide

Consequently, I do not express an audit opinion on the view given by the financial statements, and in particular, I express no opinion as to whether the financial statements give a true and fair view of the affairs of the charity, and my report is limited to the matters set out in the statement below.

I planned and performed my examination so as to satisfy myself that the objectives of the independent examination are achieved and before finalising the report I obtained written assurances from the Trustees of all material matters.

#### **Independent Examiner's Statement, Report and Opinion**

Subject to the limitations upon the scope of my work as detailed above, I have completed my examination: and can confirm that:-

The accounts of this charitable company are not required to be audited under Part 16 of the Companies Act 2006;

This is a report in respect of an examination carried out under 145 of the Act and in accordance with Directions given by the Charity Commission under section 145(5)(b) of the Act which may be applicable;

and that no material matters have come to my attention in connection with the examination giving me cause to believe that in any material respect:-

- accounting records were not kept in respect of the charity as required by Section 386 of the Companies Act 2006 and Section 130 of The Charities Act 2011;
- the financial statements do not accord with those records; or
- the financial statements do not comply with the applicable requirements concerning the form and content of accounts set out in section 396 of the Companies Act 2006 other than any requirement that the accounts give a 'true and fair' view, which is not a matter considered as part of an independent examination;
- have not been prepared in accordance with the methods and principles set out in the FRS 102 SORP (Statement of Recommended Practice for Accounting and Reporting by Charities) 2015, (as amended by the Bulletin issued in February 2016), (The SORP).

I have no concerns and have come across no other matters in connection with the examination to which attention should be drawn in this report in order to enable a proper understanding of the financial statements to be reached.

Signed:-



Rakesh Madhub FCCA - Independent Examiner  
Keith Vaudrey & Co Ltd  
Chartered Certified Accountants  
51 Marloes Road  
London  
W8 6LA

This report was signed on 30 June 2022

**THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**  
**Statement of Financial Activities for the year ended 31 December 2021**

	Notes	Unrestricted Funds 2021 £	Restricted Funds 2021 £	Total Funds 2021 £	Total Funds 2020 £	Unrestricted Funds 2020 £	Restricted Funds 2020 £
<b>Income from:</b>							
Members' contributions		227,308	-	227,308	216,360	216,360	
Donations	2	22,123	-	22,123	73,273	73,273	
Publication grant and royalties	3	10,995	-	10,995	8,404	8,404	
HMRC JR Scheme		11,666	-	11,666	15,336	15,336	
Interest receivable		10	-	10	37	37	
Grants for projects	4	-	361,940	361,940	87,813	-	87,813
<b>Total income</b>		<u>272,102</u>	<u>361,940</u>	<u>634,042</u>	<u>401,223</u>	<u>313,410</u>	<u>87,813</u>
<b>Expenditure on:</b>							
Administrative expenses	5	29,501	-	29,501	21,308	21,308	-
Charitable activities	6	30,605	232,547	263,152	54,709	29,524	25,185
Governance cost	7	3,905	-	3,905	1,515	1,515	-
Premises cost	8	37,955	-	37,955	34,974	34,974	-
Support cost	9	149,856	-	149,856	142,016	142,016	-
<b>Total expenditure</b>		<u>251,822</u>	<u>232,547</u>	<u>484,369</u>	<u>254,522</u>	<u>229,337</u>	<u>25,185</u>
<b>Net income for the year</b>		<u>20,280</u>	<u>129,393</u>	<u>149,673</u>	<u>146,701</u>	<u>84,073</u>	<u>62,628</u>
<b>Transfers between funds</b>		-	-	-	-	(5,883)	5,883
Foreign exchange gains/ (losses)		(39,448)		(39,448)	31,603	31,603	
<b>Net movement in funds</b>		<u>(19,168)</u>	<u>129,393</u>	<u>110,225</u>	<u>178,304</u>	<u>109,793</u>	<u>68,511</u>
<b>Reconciliation of funds:-</b>							
<b>Total funds brought forward</b>		138,569	144,977	283,546	105,242	28,776	76,466
<b>Total funds carried forward</b>		<u>119,401</u>	<u>274,370</u>	<u>393,771</u>	<u>283,546</u>	<u>138,569</u>	<u>144,977</u>

**Statement of total recognised gains and losses**

The charity has no recognised gains or losses other than those shown above and therefore no separate statement of total gains and losses has been prepared.



**THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**  
**Balance Sheet**  
**as at 31 December 2021**

	Notes	2021 £	2020 £
<b>Fixed assets</b>			
Tangible assets	12	4,958	3,560
<b>Current assets</b>			
Debtors	13	3,129	3,013
Cash at bank and in hand		586,437	642,990
		<u>589,566</u>	<u>646,003</u>
<b>Creditors: amounts falling due within one year</b>	14	(158,253)	(366,017)
<b>Net current assets</b>		<u>431,313</u>	<u>279,986</u>
<b>Total assets less current liabilities</b>		<u>436,271</u>	<u>283,546</u>
<b>Creditors: amounts falling due after more than one year</b>	14	(42,500)	-
<b>Net assets</b>		<u>393,771</u>	<u>283,546</u>
<b>Funds and reserves</b>			
General funds		119,401	138,569
Restricted funds	15	274,370	144,977
<b>Total funds</b>		<u>393,771</u>	<u>283,546</u>

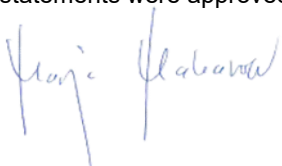
The directors are satisfied that the company is entitled to exemption from the requirement to obtain an audit under section 477 of the Companies Act 2006.

The members have not required the company to obtain an audit in accordance with section 476 of the Act.

The directors acknowledge their responsibilities for complying with the requirements of the Companies Act 2006 with respect to accounting records and the preparation of accounts.

The charity is subject to Independent Examination under charity legislation, and the report of the Independent Examiner is on page 4.

The financial statements were approved by the board of trustees on 20 June 2022 and signed on its behalf by:



Professor Marja Tertu Makarow  
President

**THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**  
**Statement of Cash Flows**  
**for the year ended 31 December 2021**

	<b>2021</b>	<b>2020</b>
	<b>£</b>	<b>£</b>
<b>Operating activities</b>		
Profit for the financial year	110,225	178,304
Adjustments for:		
Interest receivable	(10)	(37)
Depreciation	1,386	1,186
Increase in debtors	(116)	(32)
Decrease in creditors	(215,264)	(21,900)
	<u>(103,779)</u>	<u>157,521</u>
Interest received	10	37
Cash (used in)/generated by operating activities	<u>(103,769)</u>	<u>157,558</u>
<b>Investing activities</b>		
Payments to acquire tangible fixed assets	(2,784)	-
Cash used in investing activities	<u>(2,784)</u>	<u>-</u>
<b>Financing activities</b>		
Loan Received/(Repayment of loans)	50,000	-
Cash generated by financing activities	<u>50,000</u>	<u>-</u>
<b>Net cash (used)/generated</b>		
Cash (used in)/generated by operating activities	(103,769)	157,558
Cash used in investing activities	(2,784)	-
Cash generated by financing activities	50,000	-
Net cash (used)/generated	<u>(56,553)</u>	<u>157,558</u>
Cash and cash equivalents at 1 January	642,990	485,432
Cash and cash equivalents at 31 December	<u>586,437</u>	<u>642,990</u>
Cash and cash equivalents comprise:		
Cash at bank and in hand	<u>586,437</u>	<u>642,990</u>

**THE ACADEMIA EUROPAEA (THE ACADEMY OF EUROPE)**  
**Notes to the accounts**  
**for the year ended 31 December 2021**

**1 Accounting policies**

**Basis of preparation and assessment of going concern**

The accounts have been prepared on the accruals basis, under the historical cost convention, and in accordance with the Financial Reporting Standard 102, (effective 1st January 2016) and 'FRS 102 SORP (Statement of Recommended Practice for Accounting and Reporting by Charities) 2015, (as amended by the Bulletin issued in February 2016), (The SORP), published by the Charity Commission in England & Wales (CCEW) , effective January 2016, , and in accordance with all applicable law in the charity's jurisdiction of registration, except that the charity has prepared the financial statements in accordance with the FRS 102 SORP (Statement of Recommended Practice for Accounting and Reporting by Charities) 2015, (as amended by the Bulletin issued in February 2016), (The SORP), in preference to the previous SORP, the SORP 2005, which has been withdrawn, notwithstanding the fact that the extant statutory regulations, the Charities (Accounts and Reports) Regulations 2008 refer explicitly to the SORP 2005. This has been done to accord with current best practice.

The incorporated charity constitutes a public benefit entity as defined by FRS 102 SORP.

**Income**

Income, whether from exchange or non exchange transactions, is recognised in the statement of financial activities (SOFA) on a receivable basis, when a transaction or other event results in an increase in the charity's assets or a reduction in its liabilities and only when the charity has legal entitlement, the income is probable and can be measured reliably.

Income subject to terms and conditions which must be met before the charity is entitled to the resources is not recognised until the conditions have been met.

All income is accounted for gross, before deducting any related fees or costs.

With the exception of members contributions and donations all income is credited to the statement of financial activities on an accruals basis.

Members contributions and donations are credited to the statement of financial activities in the year in which they are received.

Income received from lifetime membership are credited to the Statement of Financial Activities over ten years.

**Membership subscriptions**

The income and any associated Gift Aid or other tax refund from a membership subscription received by the charity in the nature of a gift, is accounted for on the same basis as a donation.

The income from a membership subscription received by the charity where the subscription purchases the right to services or benefits is recognised as income from charitable activities.

**Cost allocation**

Direct charitable expenditure includes all expenditure incurred on activities conducted in pursuance of Academia Europaea's objectives. Staff costs, premises overheads and other costs are apportioned on the basis of percentage time spent on charitable activities, fundraising and publicity, and management and administration. Irrecoverable VAT is included in the items of expenditure to which it relates.

**Operating leases**

Rentals and service charges paid under operating leases for office premises and equipment charged to Resources Expended in the Statement of Financial Activities as incurred.

**Contributions from third parties**

Several of Academia Europaea's activities are supported or partially supported by contributions from third parties paid directly to local organisers. These funds were previously included in the accounts. The hubs' funds that have not passed through the Academia's books were excluded in the accounts. Per The Academia Europaea's new policy, the hubs' financial records were not to be included in the Statement of Financial Activities. The hubs are not subsidiaries or branches of The Academia Europaea and it is not necessary to produce consolidated accounts.

However, while the substance of these activities remains under the Academia's direct control, the local organisers and sponsors have autonomous responsibility for making contributions which may be in cash or in kind and cannot be reasonably included in the Statement of Financial Activities.

**Fixed assets and depreciation**

Depreciation is provided on all tangible fixed assets at rates calculated to write off the cost, less estimated residual value, of each asset over its expected useful life, as follows:

Office furniture and equipment	10 % per annum using the Straight line method
Computer equipment	25 % per annum using reducing balance method.

### London Secretariat charges

Much of the London Secretariat's time is spent organising and assisting plenary meetings, projects and study groups. It is the policy of Academia Europaea that, where possible, these administration costs be recovered from these activities.

### Foreign currency transactions

Transactions in foreign currencies are translated into sterling at the rate of exchange ruling at the date of the transaction. Assets and liabilities in foreign currency are translated into sterling at the rate of exchange ruling on the balance sheet date.

### Liability to taxation

The Trustees consider that the charity satisfies the tests set out in Paragraph 1 Schedule 6 of the Finance Act 2010 for UK corporation tax purposes. Accordingly, the Charity is potentially exempt from taxation in respect of income or capital gains received within categories covered by chapter 3 part 11 of the Corporation Tax Act 2010 or Section 256 of the Taxation of Chargeable Gains Act 1992, to the extent that such income or gains are applied exclusively on the specific charitable objects of the charity and for no other purpose. Value Added Tax is not recoverable by the charity, and is therefore included in the relevant costs in the Statement of Financial Activities.

### Pensions - defined contribution schemes

The charity operates a defined contribution pension scheme. Contributions are charged to the profit and loss account as they become payable in accordance with the rules of the scheme.

### Funds

Restricted funds are set up from grants and contributions given to Academia Europaea, the use of which is restricted as to the purpose and conditions imposed by the donors. None of these funds has any permanent endowed capital. Unrestricted funds represent accumulated surpluses and deficits in the statement of financial activities which are available for use at the discretion of Academia Europaea's operations and activities. The Board may set aside amounts to be designated for specific uses or purposes. The unrestricted funds comprise the general fund and are available for use at the discretion of the trustees in furtherance of the general objectives of the charity.

## 2 DONATIONS FOR GENERAL PURPOSES

	2021	2020
	£	£
Deutsche Akademie der Naturforscher Leopoldina	22,123	21,939
Institut D'Estudis Catalans (Spain)	-	42,325
SAPEA Contribution to costs	-	9,009
	<u>22,123</u>	<u>73,273</u>

## 3 PUBLICATIONS AND ROYALTIES

	2021	2020
	£	£
Cambridge Uni Press - Editorial Grant	6,000	3,000
Cambridge Uni Press - Royalties	4,995	5,404
	<u>10,995</u>	<u>8,404</u>

## 4 GRANTS AND RECEIPTS FOR PROJECTS

	2021	2020
	£	£
European Policy Project (SAPEA)	106,502	87,813
Heinz Nixdorf Stiftung (Germany)	4,298	-
Balzan fund	251,140	-
	<u>361,940</u>	<u>87,813</u>

## 5 ADMINISTRATIVE EXPENSES

	Unrestricted General Fund	Restricted Projects Fund	2021 Total Costs	2020 Total Costs	Unrestricted General Fund	Restricted Projects Fund
	£	£	£	£	£	£
Hub services	9,454	-	9,454	2,828	2,828	-
Mailing costs	4,581	-	4,581	3,603	3,603	-
Membership and subscriptions	7,223	-	7,223	7,570	7,570	-
Postage	57	-	57	9	9	-
Stationery and printing	662	-	662	273	273	-
Sundry expenses	642	-	642	580	580	-
Bank charges	5,496	-	5,496	5,259	5,259	-
Depreciation	1,386	-	1,386	1,186	1,186	-
	<u>29,501</u>	<u>-</u>	<u>29,501</u>	<u>21,308</u>	<u>21,308</u>	<u>-</u>

## 6 CHARITABLE ACTIVITIES

		Unrestricted	Restricted	2021		2020	Unrestricted	Restricted
	Note	General	Projects	Fund	Total Costs	Total Costs	General	Projects
		Fund	Fund	£	£	£	Fund	Fund
Class Meeting A1,A2, B & C		-	-	-	-	227	227	-
Conferences		16,219	-	16,219	12,206	12,206	-	-
Council & subcommittees		-	-	-	3,082	3,082	-	-
European Review		5,000	-	5,000	5,598	5,598	-	-
Membership & information services		8,381	-	8,381	7,343	7,343	-	-
Prizes		12	-	12	738	738	-	-
President's activities		993	-	993	-	-	-	-
Relations with other bodies		-	-	-	330	330	-	-
Adam Kondorosi Award		-	1,695	1,695	-	-	-	-
European Policy Project - SAPEA	10	-	134,522	134,522	24,491	-	-	24,491
Balzan fund		-	74,806	74,806	-	-	-	-
Heinz Nixdorf Stiftung (Germany)		-	3,171	3,171	694	-	-	694
Riksbankens Jubileumsfond (Sweden)		-	18,353	18,353	-	-	-	-
		30,605	232,547	263,152	54,709	29,524	25,185	

## 7 GOVERNANCE COSTS

(Unrestricted Fund)

	2021	2020
	£	£
Board of trustees	2,545	155
Independent examiner fees	1,320	1,320
Other Legal and professional costs	40	40
	3,905	1,515

## 8 Premises cost

(Unrestricted Fund)

	2021	2020
	£	£
Rent	37,026	34,054
Office Insurance	929	920
	37,955	34,974

## 9 Support cost

(Unrestricted Fund)

	Note	2021	2020
		£	£
Accountancy fees		11,111	11,817
Equipment maintenance and support		444	-
IT Services		30,932	27,584
Telephone		1,179	1,397
Staff Costs	11	105,396	100,684
Travel and subsistence		107	-
Software		687	534
		149,856	142,016

## 10 European Policy Project - SAPEA

	2021	2020
	£	£
EU Project - Cardiff	118,989	-
EU Project - SAPEA - Work Package 1	-	9,445
EU Project - SAPEA - Work Package 2	15,533	15,037
EU Project - SAPEA - Work Package 6	-	9
	134,522	24,491

## 11 STAFF COSTS

	2021	2020
	£	£
Staff salaries	94,990	91,216
Employer's NI	6,669	5,799
Pensions	3,737	3,669
Total Staff Costs - UK	105,396	100,684

The average number of persons, analysed by function, employed by Academia Europaea in the UK during the period was:

	2021	2020
Charitable activities	1	1
Management and administration	1	1
	2	2

No trustee received any remuneration in respect of their services in the year (2020 - £Nil)

No employee received earnings in excess of £60,000 per annum in the current or previous periods.

The charity operates a defined contribution pension scheme. The assets of the scheme are held separately from those of the charity in independently administered funds.

Any liabilities and assets associated with the scheme are shown under debtors and creditors.

## 12 Tangible fixed assets

	Computer Equipment £	Office Furniture and Equipment £	Total £
<b>COST</b>			
At 1 January 2021	17,256	6,777	24,033
Additions	2,784	-	2,784
Disposals	-	-	-
At 31 December 2021	20,040	6,777	26,817
<b>ACCUMULATED DEPRECIATION</b>			
At 1 January 2021	13,696	6,777	20,473
Charge for the year	1,386	-	1,386
At 31 December 2021	15,082	6,777	21,859
<b>NET BOOK VALUE</b>			
At 31 December 2021	4,958	-	4,958
At 31 December 2020	3,560	-	3,560

## 13 Debtors

	2021 £	2020 £
Prepayments	3,129	3,013

## 14 Creditors

	2021 £	2020 £
Accruals	7,927	257,431
Other taxes and social security costs	2,229	2,262
Bank loans	7,500	-
Deferred income	140,597	106,324
	158,253	366,017

## Creditors falling due after more than 1 year

	2021 £	2020 £
Bank loans	42,500	-

## 15 Restricted Funds

	Opening Balance £	Incoming Resources £	Outgoing Resources £	Transfers £	Closing Balance £
Riksbankens Jubileumsfond (Sweden)	19,101	-	(18,353)	-	748
Balzan fund	-	251,140	(74,806)	-	176,334
European Policy Project - SAPEA	100,750	106,502	(134,522)	-	72,730
Adam Kondorosi Award	25,126	-	(1,695)	-	23,431
Heinz Nixdorf Stiftung (Germany)	-	4,298	(3,171)	-	1,127
	144,977	361,940	(232,547)	-	274,370

The Wroclaw Summer schools fund is provided by a grant from the Riksbankens Jubileumsfonds.

European Policy Project, SAPEA, are the funds allocated for the preparation of the European Policy project.

Adam Kondorosi Award is an award which will provide recognition to a young emerging scholar, in the field of plant biology, especially nitrogen fixation biology and microbiology.

Heinz Nixdorf sponsors the annual Erasmus award.

## 16 Related Party Transactions

The total amount refunded to the trustees/ directors regarding travel and subsistence for meetings, events for the year amounted to £4,850 (2020 - £5,105).

## 17 Ultimate controlling party

The charity is under the control of its legal members.

Every member of the charity is obliged to contribute such amount as may be required not exceeding £1 to the assets of the company in the event of its being wound up while he or she is a member, or within one year after he or she ceases to be a member, for payment of the Academy's debts and liabilities contracted before he or she ceases to be a member, and of the costs, charges, and expenses of winding up, and for the adjustment of the rights of the contributories among themselves.

**ANNUAL TRUSTEE (activity) REPORT**  
without individual Knowledge Hub Reports

**FOR 2021**



**'The Academy of Europe'**  
Registered office

**Room 251, Senate House, Malet Street, London  
WC1E 7HU**

**Tele: +44 (0) 20 7862 5784**

**Email: [admin@acadeuro.org](mailto:admin@acadeuro.org) Web: <http://www.ae-info.org>**

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

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

<b>Barcelona Hub at:</b>	<a href="http://barcelona.acadeuro.org/">http://barcelona.acadeuro.org/</a>
<b>Bergen Hub at:</b>	<a href="https://aebergen.w.uib.no/annual-reports/">https://aebergen.w.uib.no/annual-reports/</a>
<b>Budapest Hub:</b>	<a href="https://www.ae-info.org/ae/Acad_Main/Budapest_Knowledge_Hub">https://www.ae-info.org/ae/Acad_Main/Budapest_Knowledge_Hub</a>
<b>Cardiff Hub at:</b>	<a href="http://aecardiffknowledgehub.wales/about-us/documents/">http://aecardiffknowledgehub.wales/about-us/documents/</a>
<b>Munich Hub</b>	NA
<b>Tbilisi Hub at:</b>	<a href="https://www.aetbilisihub.org">https://www.aetbilisihub.org</a>
<b>Wroclaw Hub at:</b>	<a href="http://acadeuro.wroclaw.pl/">http://acadeuro.wroclaw.pl/</a>



## SECTION 1: Governance

### THE TRUSTEES OF THE ACADEMIA EUROPAEA

#### Board of TRUSTEES (at 31 December 2021)

##### Officers

<b>President:</b>	Professor Sierd Cloetingh	Utrecht, (extended by member decision to end 2021)
<b>Vice President:</b>	Professor Genoveva Marti	Barcelona, (to end 2021)
<b>Hon. Treasurer:</b>	Dr Oskar Mencer	London, (appointed <i>pro tem</i> 2020)
<b>Co-opted Members:</b>	Professor Ole Petersen Professor Theo D'haen Professor Eva Kondorosi Professor Don Dingwell Professor Poul Holm Professor Alex Verkhatsky Professor Bjorn Wittrock Professor Eystein Jansen Professor Marja Makarow	Cardiff (till end 2022) Leuven, (till end 2021) Budapest, (till end 2023) Munich, (till end 2021) Dublin, (to end 2022) Manchester, (resigned 2021) Uppsala, (till end 2022) Bergen, (till end of 2023) Helsinki [President from 1 January 2022]
President elect (from Jan 2021)		

As a result of continuing COVID-19 restrictions in the UK and across Europe, many of the AE planned physical meetings were again cancelled or postponed. We were pleased therefore to be able in late October, to run the 2021 AGM (see below) and annual conference in Barcelona. This was on a hybrid model. An election for a replacement treasurer and VP (officio) was scheduled to take place in 2022.

The list of Section chairs, as at 31 December 2021, is at annex 2 of this report. The President Sierd Cloetingh, Prof. Theo D'haen (the Editor-in-Chief of the European Review) and Professor Don Dingwell (Chair of Class B – Exact Sciences) stepped down at the end of the year. Professor Dingwell continued as a co-opted trustee and as Academic Director of the Munich Hub.

Class chairs are members of the board of trustees. At the end of 2021 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

From January 1<sup>st</sup> 2022, Professor Paolo Papale (Rome) will be co-opted as a trustee and will take up the role of Chair of Class B - Exact Sciences.

The composition of the Board of trustees and Section committees as at 31<sup>st</sup> December 2021 is at annex 2. Note, that in our Articles of Association, the Council is described as an advisory body to the trustees. Since the creation of the Class system, the single Council now effectively operates through the Class configurations. The Classes and their component Sections each CONSTITUTE ONE PART OF THE ADVISORY COUNCIL. The Class chairs are thus the *de facto* representatives of the Sections on the Board of trustees. The trustees did consult electronically throughout the year with their sectoral 'Council members' on specific issues, in the Class configuration. Class committees (comprising the Chairs of the Section committees) have been assigned responsibility for the management of the nominations and selection process for new members and they will over-time become responsible for delivery of activity programmes, as envisaged by the Strategic Plan 2019 – 2024. In view of this re-orientation of responsibility and the fact that the Classes now fulfil the role of the former plenary Council, but in a more efficient way, the trustees will review the Regulations to better reflect the new working structure.

During 2021 there was no activity assigned to the wholly owned subsidiary company in Bergen Norway, operating under the Bergen Knowledge Hub. The CEO appointed by the Board, was Professor Eystein Jansen (the current Bergen Hub Academic Director) and the other Director is the AE Executive Secretary – Dr David Coates.

##### London General Secretariat

Executive Secretary:	Dr David Coates
Senior Administrator:	Ms Teresa McGovern
Accounts and payroll:	Outsourced to Keith Vaudrey & Co.
Membership Secretary:	Function partially provided by the Wroclaw Hub office

Membership administration, database and website management are outsourced: Technical University of Graz. Contact is Ms Dana Kaiser

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

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

#### **Regional Knowledge Hubs (at the 31<sup>st</sup> December 2021)**

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

Academic Director: Professor Ricard Guerrero

Hub manager: Ms Kimberley Katte

Communications: Mr Rubén Duro

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

Academic Director: Professor Eystein Jansen (trustee)

Hub manager: Ms Kristen Bakken

Project Manager: Ms. Trine Steensæth Pedersen

Communications: Mr Nils Olav Sæverås

##### **Budapest Hub** [https://www.ae-info.org/ae/Acad\\_Main/Budapest\\_Knowledge\\_Hub](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/](http://www.aecardiffknowledgehub.wales/) )

Academic Director: Professor Ole Petersen (trustee).

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](http://www.ae-info.org) ) and the membership database. The data centre team include: (Director) Professor Frank Kappe, Project Manager H. Leitner, M.Sc., Chief Programmer Mr R. Hoffmann and Main Editorial Management Ms Dana Kaiser M.A.

##### **Munich Hub.**

Academic Director: Professor Don Dingwell (trustee)

Hub manager: to be confirmed

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

Academic Director: Professor David Prangishvili

Hub Executive Director: Ms Sofia Kobakhidsze

Executive Officer: Ms Maia Matchavariani

##### **Wroclaw Knowledge Hub** ([www.acadeuro.wroclaw.pl/](http://www.acadeuro.wroclaw.pl/))

Academic Director: Professor Arkadius Wøjs

Hub manager: Ms Kasia Majkowska

#### **Examiner of Accounts**

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

#### **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**

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>

From 1988 to incorporation, the Academia Europaea operated under a Deed of Trust and was registered as a Charity with the Charity Commission of England and Wales (former registration number 1001978).

### **Governance and management**

The affairs of the Academia Europaea are managed by a Board of Trustees. There is an advisory Council and other operational sub-committees that are described in annex 1. Elections and appointments to the Board are as described in the regulations. These can also be found on the corporate website at [www.ae-info.org](http://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 access to sets of minutes of the past year(s). Trustees also receive copies of documents describing the role and responsibilities of Directors and Trustees and links to the appropriate Charity Commission and Company House websites.

### **The mission of the Academia Europaea**

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

#### **The Academia will:**

Promote European scholarship and research and increase the wider appreciation of its value and importance

Make recommendations to national governments and international agencies concerning matters affecting science, scholarship and academic life in Europe.

Encourage interdisciplinary and international research in all areas of learning, particularly in relation to European issues.

Identify topics of trans-European importance to science and scholarship, and propose appropriate action to ensure that these issues are adequately studied.

#### **The Academia will endeavour to:**

Encourage the highest possible standards in scholarship, research and education.

Promote a better understanding among the public at large of the benefits of knowledge and learning, and of scientific and scholarly issues, which affect society, its quality of life and its standards of living.

#### **Charitable objectives:**

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

## **SECTION 3: Trustees' report for the period ended 31 December 2021**

The trustees would like to thank all of the organisations that have sustained the Academia through their generous general financial sponsorships in particular the authorities supporting the Academia Europaea Regional Knowledge Hubs and the German National Academy of Sciences (Leopoldina) - a Patron member of the Academia Europaea. The trustees also thank those other foundations and organisations that have contributed to specific events and activities of the Academia during the period of this report. These organisations are identified in various places within this report and in the separate accounts and have been identified within the various 'reports to members' of events held during the current period, where appropriate. The trustees have been active in their engagement in the affairs of the Academia and a majority have attended every meeting of the trustees. The trustees wish to express their gratitude to the elected officers of the Academy for their additional work on behalf of the membership. In particular to thank Ole Petersen, for his 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 Horizon Europe SAPEA project and Theo D'Haen, who stepped down at the end of 2021 from his longstanding role as Editor-in-chief of our international journal – The European Review.

This reporting period was carried out against the background of the continuing impact of limitations resulting from the global COVID-19 pandemic. It was possible however to run a hybrid annual conference in Barcelona in October, and a Hybrid AGM. These are reported above. The office manager was put into the UK government furlough scheme during the compulsory lockdown period. Furlough continued part-time into early 2021. The AE received financial compensation from the government during this time. Despite this, the AE continued to operate the member nomination and election process. The continued lack of sponsored events contributed positively to the financial position of the AE for the year. The Horizon 2020 funded 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 £119,401

The trustees wish to record their thanks specifically the Technical University of Graz for their dedicated I.T. and corporate web support and to Professor Balazs Gulyas for his management of the Erasmus Medal process.

The trustees are pleased to report, that in 2021, our inter – organisational links were further strengthened with a number of European federation organisations (ALLEA, FEAM, EASAC and euroCASE). Cardiff and London worked on the AE participation in a successor to the European SAPEA project. This work reached a successfully conclusion the European Commission's approval of a new project, to be funded through the EU Horizon Europe framework and scheduled to start in Spring of 2022. Despite ongoing problems associated with BREXIT and the non-association of the UK to the EU Horizon programme, the AE will be a consortium member but will be funded through UK government sources. The President and other trustees engaged in a number of specific activities that responded to policy issues across Europe. Each of the seven Regional Knowledge Hubs, has its own distinct mission and identity and the Trustees recognise the immense support provided by the sponsors for these Hubs. None of the hubs receives core financing from the centre for their day-to-day operations.

The trustees are pleased to report a further widening of the membership of the Academia Europaea with the admission in 2021 of 355 scholars. The list is at annex 1. Member statistics can be found on the AE website at [ae-info.org](http://ae-info.org). 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 that are drawn from the whole continent of Europe and also Foreign members 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. This may include any beneficial changes in jurisdiction, if needed.

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

### **Public benefit statement**

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

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

### **Future Plans**

In the coming year the trustees will try to continue to deliver the mission of the Academia through the running of appropriate workshops, publications and related activities. The trustees will explore new opportunities, including an AE activity for environmental sustainability, the establishing of a pilot 'Academia Europaea College of Excellence' and to support the expansion of outreach through the network of regional Hubs. We will explore alternative models of financing and support for provision of communications infrastructure. The Young Academy of Europe will continue to be supported, specifically to provide a focus to engage with and support young researchers from across the UK and Europe. The AE engagement in European Science policy advice will be strengthened through taking a lead on topics within the Science Advice Policy project SAPEA (and from 2022 the new SAPEA PLUS). The trustees will endeavour to find additional core funding and sponsorship sources for linked activity. The trustees will especially focus on ensuring that its UK based membership and researchers more generally can continue to be effectively linked with their European colleagues. To reflect the growth in the AE, resources will be allocated to recruit/and/or outsource a communications officer (part-time). Other support will be secured on an ad hoc basis, to meet workload demands, including by buying time of Hub staff, or through temporary recruitment.

#### SECTION 4: Centrally co-ordinated activities during the period, 1 January 2021 – 31 December 2021

##### The 32<sup>nd</sup> annual Building Bridges conference of members 20-21 October, 2021

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

This was a hybrid event, with 55 physical delegates and over 250 who participated virtually.

Sessions included:

**Erasmus Medal award and AE-Heinz-Nixdorf Erasmus Lecture**  
**AE Gold award and accompanying lecture**

##### Building Bridges 2021



##### Key lectures by:

- **Balzan Prize Lecture I: ““The Amazon and Global Change”**. 2020 Balzan Prize Winner: **Susan Trumbore**, Max Planck Institute for Biogeochemistry.
- **“Volcanism: from wonder and fear to experiment and intervention”**. **Don Dingwell**, LMU Munich and AE Munich Knowledge Hub.
- **Welcome and introduction from the AE President-Elect Marja Makarow**, Professor, University of Helsinki, and Director, Biocenter Finland
- **Balzan Prize Lecture II: “How Should We Think About Freedom?”** 2006 Balzan Prize Winner: **Quentin Skinner**, Queen Mary University of London.
- **André Mischke Young Academy of Europe Prize 2021 for Science and Policy**. winner: **Marian Verhelst**, KU Leuven
- Introduction: **Gemma Modinos**, Chair, Young Academy of Europe (YAE). *Laudatio*: **Arild Husby**, Uppsala University
- **Young Academy of Europe (YAE) Panel: “Redefining Rewards & Recognitions for European Scholars”**. Chair: **Gemma Modinos**, Chair, Young Academy of Europe (YAE). Panellists: **Michael Murphy**, European University Association; **Konstantinos Glinos**, Unit for Open Science, European Commission; **Rebecca Lawrence**, F1000Research (TBC); **Moniek Tromp**, Vice-Chair, Young Academy of Europe (YAE).
- **“The mysteries of memory: how it is stored (the engram) and how it is retrieved (the ecphory). How to erase, manipulate or cure memory loss”**. **Mara Dierssen**, Centre for Genomic Regulation – Barcelona.

##### The Academia Europaea Erasmus Medal



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

The medal was presented, at a small event held at Wadham College in Oxford on 24<sup>th</sup> September. The presentation was filmed.

The 2020 Heinz-Nixdorf Erasmus Lecture was also recorded at the event and then streamed to AE members during the Barcelona conference.



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

**Erasmus Lecture title: “Upside-Down: Revolutions in Physics, Old and New”**

The recorded lecture can be viewed at: [https://www.ae-info.org/ae/Acad\\_Main/Activities/Awards\\_and\\_Prizes/Erasmus\\_Medal/PastWinners](https://www.ae-info.org/ae/Acad_Main/Activities/Awards_and_Prizes/Erasmus_Medal/PastWinners) . There is also an interview with Sir Roger at the same URL.

**ABSTRACT:** *The Copernican revolution tuned 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 could 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 light-like 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](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>

At the Oxford presentation on 24<sup>th</sup> September, the laudation for the award was given by Professor the Lord Rees of Ludlow (Martin Rees) — a former President of the Royal Society of London and the Astronomer Royal.

The event was introduced by Professor Ole Petersen (on behalf of the AE President). The trustees are most grateful to the Warden of Wadham College - Robert Hannigan, who kindly hosted the event and provided the participants with a celebratory luncheon in honour of Professor Penrose. A recording of the medal presentation can be found at: [https://www.ae-info.org/ae/Acad\\_Main/Activities/Awards\\_and\\_Prizes/Erasmus\\_Medal/PastWinners](https://www.ae-info.org/ae/Acad_Main/Activities/Awards_and_Prizes/Erasmus_Medal/PastWinners)

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



The Board of trustees of the Academia Europaea are pleased to recognise the substantial and sustained contribution that Ole Petersen has made to the Academia Europaea. As one of the founder members (elected 1988), Ole has maintained a close and active engagement in all aspects of the Academy. He has at various times served as a Council member, as a trustee and Board member, as a Section chair (for Physiology and Neurosciences) and as the first Class chair for Life Sciences. He continues to serve on the Board as a Vice president. Ole was instrumental in the establishing of the Class structure of the Academia and the nomination of new members' process that we have today. More recently, Ole has overseen the Cardiff Knowledge Hub as its Academic Director and in that position, represents the Academia alongside the President on the Board of the EU Horizon project 'SAPEA', where the AE plays a significant role. The outstanding and selfless service that Ole has given to the Academia Europaea over the past 30 plus years remains unmatched. The Gold award of our Academy is a fitting mark of recognition of this service.

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

**ABSTRACT:** *Science, scientific publishing and scientific advice are three different, but of course closely interconnected, activities. In the more than 50 years I have been an active publishing scientist, they have all undergone major transformations. My own field of biomedical science has been radically transformed from a mostly organ-based 'black box' approach to a mechanistic science based on molecular biology and biophysics, with dramatically increased opportunities for translation into clinical practice. The results have been impressive and have markedly increased the healthy, active life span. Science funding has increased enormously in many parts of the world, but scientific activity is now more heavily concentrated in a relatively small number of affluent countries than it was 50 years ago and in these countries it is still the case that the most influential and well-funded scientists are predominantly white and male. Publishing and reading published papers have also been completely changed with a vastly increased volume and speed of transmission as well as Open Access. In spite of the truly remarkable search engines and the improved readability of papers in the leading journals, it has become ever more difficult to keep up with the rapidly expanding literature. A vastly increased number of review journals and many more conferences have not been able to solve this problem. Evaluation of scientific work by metrics, although widely regarded as unsound, is nevertheless a stark reality in many parts of the world. Scientific advice to inform policy decisions has also changed dramatically during my scientific life, from being largely secret and based on opinions of individuals hand-picked by government to an institutionally-based activity with evidence and conclusions openly published (at least in the case of the European Union). In my lecture, I'll try to draw all these trends together into as coherent a picture as possible, based on my personal experiences as a Professorial Principal Investigator in several different European universities, editor of several journals, member (and also President, Vice-President, Secretary General) of many academies, academic societies and funding bodies as well as, in the last 5 years, my involvement in the European Scientific Advice Mechanism.*

#### **BIOGRAPHICAL NOTE:**

Ole Petersen CBE FRS is one of the Founding Members of Academia Europaea. He succeeded the Nobel Laureate Sir Martin Evans FRS, as Director of the School of Biosciences at Cardiff University in 2010, completing his 5-year term in 2015. He continues at Cardiff University as Professor of Biosciences and Director of Academia Europaea's Cardiff University Knowledge Hub. Before joining Cardiff University, Petersen was George Holt Professor of Physiology at the University of Liverpool for 28 years. Petersen discovered ion channels in epithelial cells and their critical role in controlling secretion (Nature 1982-1989). He discovered local calcium signals and intracellular calcium tunnels in exocrine gland cells (Cell 1990-1997) and, more recently, unravelled the molecular events in the development of the often fatal human disease Acute Pancreatitis (AP) (PNAS 2000-2013). He has very recently developed a new evidence-based theory for the initiation of AP, involving necrotic amplification loops between three different cell types (Physiol Rev 2021). His current h-index is 101 (Google Scholar) or 86 (Web of Science). Petersen is a Fellow of the Royal Society (Vice-President 2005-2006), a Member of the German National Academy of Sciences Leopoldina (Leopoldina Lecture 2012) and Fellow/Member of five other European Academies. In 2021, he was elected one of the thirty inaugural members worldwide of the International Union of Physiological Sciences' (IUPS) Academy of Physiology. Petersen was appointed Commander of the Order of the British Empire (CBE) by Queen Elizabeth II in 2008 'for services to science'. He chaired the Biological Sciences Panel in the UK Government's 2014 Research Excellence Framework (REF2014) and has served as Secretary-General of IUPS, European Executive Editor of the American Physiological Society's flagship journal Physiological Reviews and Chair of an ERC Grant Panel. In 2020, he became Editor-in-Chief of the American Physiological Society's new Open Access journal Function. Petersen has received several prizes for his research on the physiology and pathophysiology of the pancreas, including the NOVO Nordisk Foundation's Jacobaeus Prize, the Czech Science Academy's Purkyne Medal and, in 2018, the American Physiological Society's highest honour, the Walter B Cannon Memorial Lecture Award. In October 2021, he will deliver the first Sir Michael Berridge Memorial Lecture at the FASEB conference on 'Calcium and Cell Function'.

**Presentation of a Gömböc G1466 to Roger Penrose**, in recognition of his achievements and to coincide with the 2020 Erasmus Medal.





Also, and as a part of the dedicated Oxford event for Roger Penrose, the Academia Europaea was deeply honoured to be able to collaborate with Professor Gabor Domokos, who had arranged to present Prof. Penrose with a unique sculptural and scientific piece - the Gömböc G1466. The designation number coincides with the birth of Erasmus of Rotterdam – thus establishing a link between the AE Erasmus prize and the GOMBOC award. This complex piece, based on mathematics, was one of only a very few previously made and awarded. Professor

**Gábor Domokos**, as the originator of the science behind the piece, was unable to participate, due to COVID restrictions. But, the event was honoured by the presence of his excellency **Dr Ferenc Kumin**, the Ambassador for the Republic of Poland to the Court of St James. The Ambassador made the presentation and gave a laudation on behalf of Dr Domokos. The event took place on 24<sup>th</sup> September, at Wadham College Oxford, at the kind invitation of the Warden - Robert Hannigan,

The Gömböc G1466 presentation was filmed and the recording can be found at: [https://www.ae-info.org/ae/Acad\\_Main/Activities/Awards\\_and\\_Prizes/Erasmus\\_Medal/PastWinners](https://www.ae-info.org/ae/Acad_Main/Activities/Awards_and_Prizes/Erasmus_Medal/PastWinners)

Further information about the GOMBOC: [https://en.wikipedia.org/wiki/G%C3%B6mb%C3%B6c#Individual\\_g%C3%B6mb%C3%B6c\\_models](https://en.wikipedia.org/wiki/G%C3%B6mb%C3%B6c#Individual_g%C3%B6mb%C3%B6c_models)

## 2021 Class meetings

As a part of the annual conferences programme, the four Classes each held a virtual Class event to welcome the new members elected in 2020. Due to the ongoing COVID restrictions on numbers it was not possible to arrange for physical Class sessions during the Barcelona conference proper, or a plenary welcome to new members ceremonial session.

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

Keynote speakers were:

Classes A1 Humanities and A2 Social and Societal Sciences – Professor Quentin Skinner MAE “A bridge between art and philosophy: the case of Thomas Hobbes”.

Class B Exact Sciences – Professor Domenico Giardini MAE “Mars Missions”

Class C Life Sciences – Kaitlin Kariko “Vaccine development and use of mRNA technology in other diseases”.

The Board of trustees wish to thank the staff of the Bergen Hub, the Cardiff Hub and the Munich Hub, each of which organised and hosted one of the virtual platforms for the Class sessions.

## Valedictory Lecture by outgoing President, Professor Sierd Cloetingh – Hungarian Academy of Sciences - December 10<sup>th</sup>

The trustees would like to thank the President Professor Tamas Freund of the Hungarian Academy of Sciences who hosted a final Board of Trustees meeting under the Presidency of Professor Sierd Cloetingh. Following the trustees meeting, Professor Cloetingh delivered a publicly streamed lecture entitled “Europe: Natural Laboratory for Frontier Research in Earth Sciences”. The lecture can be viewed on Youtube at: <https://mta.hu/english/farewell-lecture-by-professor-sierd-cloetingh-outgoing-president-of-academia-europaea-at-the-hungarian-academy-of-sciences-in-budapest-111872>



## ABSTRACT:

Integrated studies of the full Earth system across space and time scales are rapidly advancing.

The International Lithosphere Program (ILP), connecting geophysical and geological sciences at their interfaces, promotes frontier research in Solid-Earth science, with high societal impact in the domains of geo-environment, geohazards and geo-resources. Probably one of the important developments in Solid-Earth science over the past decade has been the recognition of the importance of linking deep Earth dynamic processes with surface and near-surface geologic processes (e.g., Cloetingh and TOPO-EUROPE Team, 2007, Global and Planetary Change; Cloetingh et al., 2013, Tectonophysics; Cloetingh, 2020, Encyclopaedia of Solid Earth Geophysics). Deep Earth research, encompassing fields such as seismology and mantle geodynamics, has traditionally operated distinctly from fields focusing on dynamics near the Earth's surface, such as sedimentary geology, geomorphology, and climate/paleoclimate. However, as realized by ILP, these endeavours have in common the study of Earth's topography and the prediction of its origin and rates of change. Observations from surface studies, such as basin stratigraphy, geomorphology of landscapes, changes in surface elevation, and changes in sea level (Cloetingh and Haq, 2015, Science), provide some of the principal constraints on geodynamic and tectonic models. Conversely, deep geodynamic processes give rise to topography, thereby modifying regional climate, erosion, and sediment generation that are the basis of surface geology. The lithosphere, due to its stratified rheological structure, acts as a non-linear “filter” for deeper sources, attenuating long deformation wavelength and creating new, shorter wavelength deformation; giving a surface response more complex than that of the mantle source. It is the surface manifestations of these deep geodynamic processes modified by mantle-lithosphere interactions that have significant societal impact by (1) creating natural hazards, such as earthquakes and mass movements, and (2) controlling the distribution of natural resources including fossil fuels and geothermal energy. The relevance of research conducted in both the deep Earth and surface regimes is thus strongly enhanced through a focus on their interaction. Long-term inner Earth processes, such as mantle flow, drive the system of mantle-surface interaction. However, short-term outer Earth processes such as erosion and climate tune the response. The



continental lithosphere transforms deformation generated at its base by mantle flow, but surface processes control many of the observables such as topography, sedimentation and exhumation rates, and thus further filter the source and even tune the response through cyclic processes such as climate. However, little is known on how far these interactions may go, or how these different processes are coupled or feed back into the dynamic system. At the same time, many modelling or theoretical studies suggest that erosion and sedimentation do impact the subsurface evolution of crustal deformation, changing flow patterns and magnitudes in the ductile crust and mantle through changing gravitational stresses or kinematics. Europe through its well-studied natural laboratories, such as the Northwestern European Atlantic continental margin and the Pannonian Basin-Carpathian Mountain system of Central and Eastern Europe, is an excellent place to further advance insights in the interaction of deep Earth and surface processes. The high level of integrated solid Earth science, the existence of platforms for community building, such as Academia Europaea, TOPO-EUROPE and the European Plate Observing System EPOS are also crucial in this respect. This provides a solid foundation to connect frontier science and societal relevance in the domains of geo-energy and natural hazards on a full pan-European scale. The science base in Europe is now rapidly developing to bring geothermal energy into power in plate interiors, significantly enhancing its contribution to the energy transition in Europe and elsewhere.

## SECTION 5: Academia Europaea outreach.

### The Academia Europaea Regional Knowledge Hubs

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

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

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



#### **SAPEA: Science Advice for Policy by European Academies**

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



= country with at least one Academy

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

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

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

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

The Horizon2020 funded project contract with the European Commission started at the end of 2016 and has been extended to 2022. The President is a member of the Board of Management of the project. Prof. Ole Petersen (Academic Director of the Cardiff Hub and VP ex O) is our alternate and oversees the work of the AE SAPEA Science Policy Officer - Louise Edwards, who is based at the Cardiff Hub. Louise is responsible for the day-to-day management of any AE involvement in policy advice topic work and is a member of the project coordination team. The AE Executive Secretary acts as AE contract manager in liaison with the central project coordination team. The day-to-day engagement in SAPEA is undertaken by the Science Policy team at the Cardiff Knowledge Hub. Louise Edwards is supported by Dr Mildred Foster.

In 2021, the Cardiff Hub team managed the Academia Europaea activity within the SAPEA consortium project. One high profile activity that Cardiff played a major lead role in was [Biodegradability of plastics](#). Our focus this year has been on outreach activities for the SAPEA Evidence Review Report, *Biodegradability of plastics in the open environment*. The Evidence Review Report was co-ordinated by the Cardiff Hub for Academia Europaea, and published at the end of 2020.

The Cardiff Hub co-organised the launch webinar for the Evidence Review Report, which attracted an international audience of almost 170. Held on 4th February, the webinar brought together a panel of speakers from the Group of Chief Scientific Advisors, SAPEA and the European Commission, to respond to the question, *'Taking action on plastics pollution: Are biodegradable plastics the answer?'*

*'Biodegradable plastics: How do we engage with consumers and society?'* was the focus of our second webinar, on 21st May. Attendees from 38 countries joined our panel of experts. The webinar was organised with SAPEA, in partnership with the Royal Irish Academy.



Our third webinar *'Plastics pollution: Are biodegradable plastics a solution?'*, held on 16th June, was hosted by MEP Mohammed Chahim and chaired by Professor Ole Petersen. Panellists included Members of the European Parliament, the Chair of the Group of Chief Scientific Advisors (Professor Nicole Grobert MAE), Members of the SAPEA Working Group and representatives from industry and NGOs. Over 300 people attended the webinar.

The Cardiff Hub also oversaw a mapping review of recent research evidence on the topic, which was published by SAPEA in February. Specialists in systematic review at Cardiff University undertook the review, with the Cardiff Hub co-ordinating the work. It forms a complementary report to the SAPEA Evidence Review on *Biodegradability of plastics in the open environment*.

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

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

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

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

The Academia was a founding member of this Council and collaborates with our sister Academies in making available our members' expertise where needed, for the many study groups that are established. The Academia provides a financial contribution to the running of the secretariat of



EASAC. The Academia covers the costs of participation of the AE Council member and 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. The list of publications and reports can be found via the website above.

## **AE Publications**

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

**The European Review 2021** (volume 29). The Editor-in-chief – Professor Theo D'Haen (University of Leuven) stepped down at the end of the year and Professor Alban Kellerbauer (Nuclear Physics, Joint Research Centre, Karlsruhe, Germany), took up the role. The Board wishes to record their grateful thanks for the significant work that Professor D'Haen put into the Review over many years as its editor. The journal has grown from a quarterly to its present size and has seen a significant increase in uncommissioned papers submitted for review and publication, from across the world.

In 2021, the European Review (ERW) volume 29 had six issues. AE members had free access to the online version of the journal and to the archive. The Editor-in-chief renewed the editorial Board to include members of the Young Academy of Europe.

Volume 29 had the following focus issues:

Literature in Times of Crisis and Vulnerability (issue number 3 June 2021)

Symmetry, Proportion and Seriality: The Semantics of Mirroring and Repetition in Science and the Arts.

Introduction to Special Issue (issue number 2 April 2021)



**Open access issues** – 20 articles were published open access

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/>

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## **AE 'in-house' Publications.**

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

No annual member directory was issued in 2021.

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

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## **SECTION 6: Events provided with AE sponsorship through the Hubert Curien Fund, or with AE patronage in 2021, or externally sponsored**

Twenty-two events were supported during the year. See: [https://www.ae-info.org/ae/Acad\\_Main/Past\\_Events/2011-present](https://www.ae-info.org/ae/Acad_Main/Past_Events/2011-present)

The Curien Fund supported the following member initiated proposals that were postponed because of the COVID pandemic to future dates.

- Class of Social and Related Sciences (Hosted at Wroclaw) event. “Collective Identities, Nations and Social Spheres” (postponed to 2021)
- The Riksbankens Jubileumsfonds (Sweden) supported the History & Archaeology Section event – Hosted at the Wroclaw Hub: “ICONOCLASM : PAST & PRESENT ISSUES” postponed from 2020. The event took place on 4-6 October

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

## **SECTION 7: Corporate, Hubs and membership**

### **2021 New members elected**

On June 8<sup>th</sup>, 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 2021 were:

Class A1 – Humanities and Arts – Sections A1-A6 [Chair Professor Poul Holm (Trustee)]  
Class A2 – Social and related sciences – Sections A7 – A10 [Chair Prof Bjorn Wittrock (Trustee)]  
Class B – Exact and Natural Sciences – Sections B1 –B5 [Professor Don Dingwell (Trustee)]  
Class C – Life Sciences – Sections C1 – C5 [Professor Alex Verkhatsky (Trustee until October, then Professor Eva Kondorosi (Trustee)]

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### **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 2021. All new members were notified of the AE GDPR policy and members were asked to opt-in to that policy at the time of their election.

### **Governance meetings held in 2021**

#### **The Trustees, Council and their subcommittees**

Because of continuing COVID-19 restrictions across Europe, the Board of Trustees met virtually on four occasions as follows: April 16, April 17, June 8, and 20 October. All meetings were quorate. In addition the trustees met in physical meetings in October and on December 10<sup>th</sup>. A physical/virtual hybrid AGM took place on 21<sup>st</sup> October.

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

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### **33rd Annual Business Meeting 2021(AGM) – Barcelona 21<sup>st</sup> October held at 09:00am – 11:00am (CET)**

This was a hybrid meeting. The President (Sierd Cloetingh) chaired the AGM.  
There were nineteen physical delegates and fifty seven virtual delegates present

**A number (5) of electronic member-wide ballots had taken place in advance of the AGM (6 – 10 October). The results were reported to all members at the AGM.**

**Motion to approve or reject the note**

**Motion to adopt the examined accounts for the year ending 31 December 2020**

**Motion to adopt the trustees (activity report) for the year ending 31 December 2020**

**Motion to re-appoint the auditors (examiners)**

**Motion to set the level of membership fees for the year 2022**

**Large majorities had approved all motions.**

At the AGM, the President welcomed all participants. He gave a slide presentation summarising the AE. He then reported on activities carried out in the previous year (2020) and some highlights of 2021. The members present adopted the draft agenda. The President then reported on the results of the online ballots that had been taken before the AGM. The note of the 2020 actions taken has been approved and the Chair signed the note.

The Honorary Treasurer, summarised the financial position as set out in the accounts for 2020 and additionally gave indications of the current year. He reported that the financial position of the AE was stable and had in fact benefitted to a limited extent (financially) from the lockdowns and limitations caused by the COVID-19 Pandemic and the necessary suspension of normal activities. The AE, as a UK registered charity, had also benefitted from UK government support schemes during this period. He highlighted the reliance of the AE on member donations for all areas of activity and reminded members that annual contributions were a vital part of their acceptance as members. He again pointed out that there were still a significant number who did not make any contribution at all.

Professor Petersen (Academic Director of the Cardiff Hub), reported on AE involvement in the SAPEA project and updated members on progress for a new SAPEA project that was under preparation.

The President-elect – Professor Makarow, gave a short presentation on some of her upcoming Presidential priorities.

The President listed those trustees who were scheduled to step down from the Board at the end of 2021:

Alex Verkhatsky – Class C Life Sciences Chair (co-opted) – actually resigned in October.

Theo D'haen – Editor-in-chief of the European Review (co-opted).

The current, elected Vice President – Professor Genoveva Marti. A call for nominations for election of a Vice President (Officer) of the Academia Europaea will be made in the first quarter of 2022.

The current (pro tem) Hon. Treasurer – Dr Oskar Mencer was co-opted in late 2019, following the resignation of Prof. Milutinovic. A call for nominations and a ballot of members will be held in 2022 to formally elect a Treasurer.

Don Dingwell retires as Chair of Class B (Exact and physical Sciences), but will remain on the Board as a co-opted member (Academic Director of the Munich Hub).

A vote of thanks for the service of these trustees was recorded.

A further review of the Board composition would take place in 2022.

The President closed the meeting at 11:00am CET.

## **SECTION 8: Statement of Trustees' Responsibilities**

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

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

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

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

In so far as the Trustees are aware:

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

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

## **Risk assessment**

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

## **Financial Report**

The trustees confirm that suitable accounting policies have been used and applied consistently and that reasonable and prudent judgements and estimates have been made in the preparation of the financial statements for the year 1 January 2021 - 31 December 2021. The Trustees also confirm that applicable accounting standards have been followed and that the financial statements have been prepared on the going concern basis. The assets are available and adequate to fulfil obligations on a fund - by - fund basis.

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

## **Reserves policy**

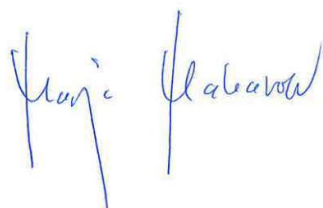
The total funds for the year ended 31 December 2021 was £393,771 [YE 31 December 2020, £283,546]. It is the policy of the trustees to maintain sufficient reserves for the Academia Europaea to continue its charitable activities and in view of this, the trustees aim to achieve reserves equal to approximately six months of operations. A review of reserves policy is undertaken every year.

## **Income and expenditure for the period ended 31 December 2021 (summary overview)**

The year was one of a cautious, small relaxations in expenditures as some of the impacts of COVID loosened and some physical events became possible. The COVID-19 pandemic did have an ongoing impact on the financial position of the AE. Our total income for the year was £634,042. Total expenditure was £484,369. The balance of funds brought forward to 2021 from 2020 were £283,546. The figures also include some partial 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 and a £50,000 government loan at preferential rates, to support future growth post-COVID. Repayments for the loan would commence in spring 2022.

The AE as a charity seeks to operate an effective zero balance budget. We are essentially dependent upon members' donation income. In 2021, this was at £227,308 (net) and life membership payments totalled £51,035. 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), and The Balzan Foundation (Switzerland) for their support and the support of other sponsors, and our Patron member The German Academy of Sciences (Leopoldina). The Board continued to recognise the ongoing difficulty in obtaining core financial support from public and private institutions and expect that the Finance and Sponsorship sub-committee will try to address this.

The examiner's accounts for 2021 are filed separately and can be viewed through the Academia Europaea website; the UK government Companies House and the Charities Commission of England and Wales websites respectively.



**Marja Makarow, President**  
**On behalf of the Board of Trustees**

**20 July 2022**

**Annex 1: Members elected in 2021 and who subsequently accepted an invitation into membership**

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

Sect.		Full name	Country	Membership type
<b>A1</b>		<b><u>History &amp; Archaeology (15)</u></b>	<b>c. Nikita Harwich-Vallenilla</b>	
A1	1	Berger Stefan Heinrich	Germany	ORDINARY
A1	2	Catoni Maria Luisa	Italy	ORDINARY
A1	3	Devine Thomas Martin	United Kingdom	ORDINARY
A1	4	Elina Ol'ga (Olga)	Russia	ORDINARY
A1	5	Esders Stefan	Germany	ORDINARY
A1	6	Kahl Thede	Germany	ORDINARY
A1	7	Levillain Charles-Edouard	France	ORDINARY
A1	8	Manfredi Antonio	Holy See (Vatican City State)	ORDINARY
A1	9	Mantzourani Eleni	Greece	ORDINARY
A1	10	Marconi Clemente	Italy	ORDINARY
A1	11	McNeill John Robert	United States	FOREIGN
A1	12	Millett Martin John	United Kingdom	ORDINARY
A1	13	Pop Ioan-Aurel	Romania	ORDINARY
A1	14	Tortarolo Edoardo	Italy	ORDINARY
A1	15	Zubkova Elena Iourievna	Russia	ORDINARY

<b>A2</b>		<b><u>Classics &amp; Oriental Studies (6)</u></b>	<b>c. Gerd Haverling</b>	
A2	1	Avram Alexandru	France	ORDINARY
A2	2	Bietak Manfred	Austria	ORDINARY
A2	3	Cassio Albio Cesare	Italy	ORDINARY
A2	4	Cereti Carlo Giovanni	Italy	ORDINARY
A2	5	Clackson James	United Kingdom	ORDINARY
A2	6	Kadar Zoltan Daniel	Hungary	ORDINARY

<b>A3</b>		<b><u>Linguistic Studies (20)</u></b>	<b>c. Pier Marco Bertinotto</b>	
A3	1	Aikhenvald Alexandra	Australia	FOREIGN
A3	2	Ameka Felix	The Netherlands	ORDINARY
A3	3	Ariel Mira	Israel	ORDINARY
A3	4	Bakró-Nagy Marianne	Hungary	ORDINARY
A3	5	Corver Norbert	The Netherlands	ORDINARY
A3	6	Cristofaro Sonia	France	ORDINARY
A3	7	Geeraerts Dirk	Belgium	ORDINARY
A3	8	Ginzburg Jonathan	France	ORDINARY
A3	9	Guasti Maria Teresa	Italy	ORDINARY
A3	10	Hunyadi László	Hungary	ORDINARY
A3	11	Joseph Brian Daniel	United States	FOREIGN
A3	12	Ledgeway Adam	United Kingdom	ORDINARY



A3	14	Li Wei	United Kingdom	ORDINARY
A3	15	Lohndal Terje	Norway	ORDINARY
A3	16	Marchello-Nizia Christiane	France	ORDINARY
A3	17	Németh Enikő	Hungary	ORDINARY
A3	18	Pană Dindelegan Gabriela	Romania	ORDINARY
A3	19	Pirrelli Vito	Italy	ORDINARY
A3	20	Xu Song Dan	France	ORDINARY

<b>A4</b>		<b><u>Literary &amp; Theatrical Studies (18)</u></b>	<b>c. Vladimir Biti</b>	
A4	1	Basch Sophie	France	ORDINARY
A4	3	Decout Maxime	France	ORDINARY
A4	4	Fang Weigui	China	FOREIGN
A4	5	Hansen Hans Lauge	Denmark	ORDINARY
A4	6	Jiang Hongxin	China	FOREIGN
A4	7	Kohlmann Benjamin	Germany	ORDINARY
A4	8	Limon Jerzy	Poland	ORDINARY
A4	9	Luckhurst Roger	United Kingdom	ORDINARY
A4	10	Moore Helen	United Kingdom	ORDINARY
A4	11	Nordal Gudrun	Iceland	ORDINARY
A4	12	Reynolds Matthew	United Kingdom	ORDINARY
A4	13	Rothberg Michael	United States	FOREIGN
A4	14	Saunders Max	United Kingdom	ORDINARY
A4	15	Spariosu Mihai	Romania	ORDINARY
A4	16	Vazquez Lydia	Spain	ORDINARY
A4	17	Wilmer Stephen	Ireland	ORDINARY
A4	18	Witte Georg	Russia	ORDINARY

<b>A5</b>		<b><u>Musicology &amp; Art History (8)</u></b>	<b>c. Laurenz Lutteken</b>	
A5	1	Delaere Mark	Belgium	ORDINARY
A5	2	Goettler Christine	Switzerland	ORDINARY
A5	3	Petrauskaitė Danutė	Lithuania	ORDINARY
A5	4	Popović Mladjenović Tijana	Serbia	ORDINARY
A5	5	Seroussi Edwin	Israel	ORDINARY
A5	6	Tadday Ulrich	Germany	ORDINARY
A5	7	Vrachliotis Georg	The Netherlands	ORDINARY
A5	8	Walton Benjamin	United Kingdom	ORDINARY

<b>A6</b>		<b><u>Philosophy, Theology &amp; Religious Studies (12)</u></b>	<b>c. Genoveva Marti</b>	
A6	3	Hon Giora	Israel	ORDINARY
A6	4	Kaiser Matthias	Norway	ORDINARY
A6	5	Knuuttila Tarja	Austria	ORDINARY
A6	6	Kõiva Mare	Estonia	ORDINARY
A6	7	Leonelli Sabina	United Kingdom	ORDINARY
A6	8	Machinist Peter	United States	FOREIGN
A6	9	Nida-Rümelin Martine	Switzerland	ORDINARY
A6	10	Schoene-Seifert Bettina	Germany	ORDINARY
A6	11	Seibt Johanna	Denmark	ORDINARY



A6	12	Werndl Charlotte	Austria	ORDINARY
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<b>A7</b>		<b>Film, Media and Visual Studies (14)</b>	<b>c. Göran Bolin</b>	
A7	1	Balčytienė Aukšė	Lithuania	ORDINARY
A7	3	Das Enny	The Netherlands	ORDINARY
A7	4	Deuze Mark	The Netherlands	ORDINARY
A7	5	Drzewiecka Jolanta	Switzerland	ORDINARY
A7	6	d'Inverno Mark	United Kingdom	ORDINARY
A7	7	Kiriya Iliya	Russia	ORDINARY
A7	8	Metag Julia	Germany	ORDINARY
A7	10	Nikunen Kaarina	Finland	ORDINARY
A7	11	Nimrod Galit	Israel	ORDINARY
A7	12	Parikka Jussi	United Kingdom	ORDINARY
A7	13	Peruško Zrinjka	Croatia	ORDINARY
A7	14	Siibak Andra	Estonia	ORDINARY

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

Sect.		Full name	Country	Membership type
<b>A8</b>		<b><u>Economics, business &amp; management sciences (21)</u></b>	<b>c. Klaus Zimmermann</b>	
A8	1	Bénassy-Quéré Agnès	France	ORDINARY
A8	2	Comes Tina	The Netherlands	ORDINARY
A8	3	Crespo Cuaresma Jesus	Austria	ORDINARY
A8	4	Dosi Giovanni	Italy	ORDINARY
A8	5	Feld Lars	Germany	ORDINARY
A8	6	Fornero Elsa Maria	Italy	ORDINARY
A8	7	Gambardella Alfonso	Italy	ORDINARY
A8	8	Harmon Colm	United Kingdom	ORDINARY
A8	9	Kitchen Philip	France	ORDINARY
A8	10	Kritikos Alexander	Germany	ORDINARY
A8	11	Maurel Mathilde	France	ORDINARY
A8	12	Moore John	United Kingdom	ORDINARY
A8	13	Nakicenovic Nebojsa	Austria	ORDINARY
A8	14	Ricart Joan Enric	Spain	ORDINARY
A8	15	Rochet Jean-Charles	Switzerland	ORDINARY
A8	16	Salas Fumas Vicente	Spain	ORDINARY
A8	17	Sanver Remzi	France	ORDINARY
A8	18	Wang Mo	United States	FOREIGN
A8	19	Welter Friederike	Germany	ORDINARY
A8	20	Winter-Ebmer Rudolf	Austria	ORDINARY
A8	21	Zamir Shmuel	Israel	ORDINARY

<b>A9</b>		<b><u>Governance, Institutional Policies: Education, health and Welfare (8)</u></b>	<b>c. Peter Scott</b>	
A9	1	Birkelund Gunn Elisabeth	Norway	ORDINARY
A9	2	Bucchi Massimiano	Italy	ORDINARY
A9	3	Rafael de Miguel Gonzalez	Spain	ORDINARY
A9	4	Freitas Lopes Teixeira Pedro Nuno	Portugal	ORDINARY
A9	5	Goastellec Gaële	Switzerland	ORDINARY
A9	6	Kwiek Marek	Poland	ORDINARY
A9	7	Petersen Klaus	Denmark	ORDINARY
A9	8	Skivenes Marit	Norway	ORDINARY

<b>A10</b>		<b><u>Human Mobility, Governance, Environment and Space (5)</u></b>	<b>c. Maria Paradiso</b>	
A10	3	Foody Giles	United Kingdom	ORDINARY
A10	4	Fra Paleo Urbano	Spain	ORDINARY
A10	5	Robinson Jennifer	United Kingdom	ORDINARY

<b>A11</b>		<b><u>Law (6)</u></b>	<b>c. Nina Dethloff</b>	
A11	1	Büchler Andrea	Switzerland	ORDINARY
A11	2	Häcker Birke	United Kingdom	ORDINARY
A11	3	Kiener Regina	Switzerland	ORDINARY
A11	4	Masing Johannes	Germany	ORDINARY
A11	5	Novak Barbara	Slovenia	ORDINARY
A11	6	Pistor Kathrina	United States	FOREIGN

<b>A12</b>		<b><u>Social Change and Social Thought (15)</u></b>	<b>c. Peter Wagner</b>	
A12	1	Arnason Johann	Czech Republic	ORDINARY
A12	2	Beckert Jens	Germany	ORDINARY
A12	3	Brooks Tom	United Kingdom	ORDINARY
A12	4	Fabiani Jean-Louis	Austria	ORDINARY
A12	5	Fassin Didier	United States	Ordinary
A12	6	Green Sarah Francesca	Finland	ORDINARY
A12	7	Hart Johnathan	Canada	FOREIGN
A12	8	Keskitalo Eva Carina Helena	Sweden	ORDINARY
A12	9	Lacey Nicola	United Kingdom	ORDINARY
A12	10	Mau Steffen	Germany	ORDINARY
A12	11	Narotzky Susana	Spain	ORDINARY
A12	12	Rogowski Ronald	United States	FOREIGN
A12	13	Soskice David	United Kingdom	ORDINARY
A12	14	Tribe Keith	United Kingdom	ORDINARY
A12	15	van Gelderen Martin	The Netherlands	ORDINARY

<b>A13</b>		<b><u>The Human Mind and its Complexity (5)</u></b>	<b>c. Yuri Allik</b>	
A13	1	Bender Andrea	Norway	ORDINARY
A13	2	Meciacci Luciano	Italy	ORDINARY
A13	3	Nummenmaa Lauri	Finland	ORDINARY
A13	4	Olofsson Jonas	Sweden	ORDINARY
A13	5	Suckling John	United Kingdom	ORDINARY

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

<b>Sect.</b>		<b>Full name</b>	<b>Country</b>	<b>Membership type</b>
<b>B1</b>		<b><u>Mathematics (25)</u></b>	<b>c. Philippe Michel</b>	
B1	1	Albeverio Sergio	Germany	ORDINARY
B1	2	Ammari Habib	Switzerland	ORDINARY
B1	3	Breuillard Emmanuel	United Kingdom	ORDINARY
B1	4	Bárány Imre	Hungary	ORDINARY
B1	5	Coron Jean-Michel	France	ORDINARY
B1	10	Jin Shi	China	FOREIGN
B1	11	Kaloshin Vadim	Austria	ORDINARY
B1	12	Krivelevich Michael	Israel	ORDINARY
B1	13	Laptev Ari	United Kingdom	ORDINARY
B1	14	Longo Roberto	Italy	ORDINARY
B1	16	Matomaki Kaisa	Finland	ORDINARY
B1	17	Meleard Sylvie	France	ORDINARY
B1	18	Nesterov Yurii	Belgium	ORDINARY
B1	19	Niziol Wiesława	France	ORDINARY
B1	20	Seiringer Robert	Austria	ORDINARY
B1	21	Tschinkel Yuri	United States	FOREIGN
B1	22	Vega Luis	Spain	ORDINARY
B1	23	Viazovska Maryna	Switzerland	ORDINARY
B1	24	Zehnder Eduard	Switzerland	ORDINARY
B1	25	Ziegler Tamar	Israel	ORDINARY

<b>B2</b>		<b><u>Informatics (44)</u></b>	<b>c. Schahram Dustdar</b>	
B2	1	Chen Chang-Wen	United States	FOREIGN
B2	2	Czumaj Artur	United Kingdom	ORDINARY
B2	5	Di Renzo Marco	France	ORDINARY
B2	9	Hoefler Torsten	Switzerland	ORDINARY
B2	11	Jiao Licheng	China	FOREIGN
B2	12	Jin Yaochu	United Kingdom	ORDINARY
B2	20	Pardalos Panos	United States	FOREIGN
B2	21	Ranjan Rajiv	United Kingdom	ORDINARY
B2	22	Sagiv Shmuel	Israel	ORDINARY
B2	25	Singh Munindar	United States	FOREIGN
B2	27	Su Zhendong	Switzerland	ORDINARY

B2	29	Szpankowski Wojciech	United States	FOREIGN
B2	30	Vallecillo Antonio	Spain	ORDINARY
B2	32	Wang Jun	Hong Kong	FOREIGN
B2	36	Xu Dong	Australia	FOREIGN
B2	38	Yang Kun	United Kingdom	ORDINARY
B2	39	Yang Laurence Tianruo	Canada	FOREIGN

<b>B3</b>		<b>Physics and Engineering Sciences (51)</b>	<b>c. Pavel Exner</b>	
B3	1	Atatüre Mete	United Kingdom	ORDINARY
B3	4	Cuniberti Gianaurelio	Germany	ORDINARY
B3	5	Curran Henry	Ireland	ORDINARY
B3	6	Falko Vladimir	United Kingdom	ORDINARY
B3	9	Galiotis Costas	Greece	ORDINARY
B3	10	Gao Huijun	China	FOREIGN
B3	12	Han Qing-Long	Australia	FOREIGN
B3	14	Ilday Fatih Ömer	Turkey	ORDINARY
B3	15	Jex Igor	Czech Republic	ORDINARY
B3	16	Jiang Zhong-Ping	United States	FOREIGN
B3	18	Kalinin Sergei	United States	FOREIGN
B3	19	Kang Jian	United Kingdom	ORDINARY
B3	20	Kapitaniak Tomasz	Poland	ORDINARY
B3	21	Karimi Hamid Reza	Italy	ORDINARY
B3	22	Kharzeev Dmitri	United States	FOREIGN
B3	23	Križan Peter	Slovenia	ORDINARY
B3	25	Litov Leandar	Bulgaria	ORDINARY
B3	26	Liu Derong	United States	FOREIGN
B3	27	Liu Guo-Ping	United Kingdom	ORDINARY
B3	30	Martinez-Pinedo Gabriel	Germany	ORDINARY
B3	31	Mitra Subhasish	United States	FOREIGN
B3	32	Nieminen Risto	Finland	ORDINARY
B3	34	Païdoussis Michael	Canada	FOREIGN
B3	36	Rafelski Johann	United States	FOREIGN
B3	37	Razeghi Manijeh	United States	FOREIGN
B3	38	Ritchie David	United Kingdom	ORDINARY
B3	39	Rudolf Petra	The Netherlands	ORDINARY
B3	40	Ruggeri Tommaso	Italy	ORDINARY
B3	44	Sun Zhipei	Finland	ORDINARY
B3	46	Törmä Päivi	Finland	ORDINARY

<b>B4</b>		<b>Chemical Sciences (53)</b>	<b>c. Graham Hutchings</b>	
B4	2	Armstrong Fraser	United Kingdom	ORDINARY
B4	3	Baglioni Piero	Italy	ORDINARY
B4	4	Bahnemann Detlef Werner	Germany	ORDINARY
B4	5	Bankova Vassya	Bulgaria	ORDINARY
B4	7	Beletskaya Irina	Russia	ORDINARY
B4	8	Biscarini Fabio	Italy	ORDINARY
B4	9	Bourissou Didier	France	ORDINARY

B4	10	Coperet Christophe	Switzerland	ORDINARY
B4	12	Echavarren Antonio	Spain	ORDINARY
B4	14	Gennari Cesare	Italy	ORDINARY
B4	15	George Michael	United Kingdom	ORDINARY
B4	16	Gong Jinlong	China	FOREIGN
B4	17	Grela Karol	Poland	ORDINARY
B4	19	Hashmi Stephen	Germany	ORDINARY
B4	20	Humphrey Mark	Australia	FOREIGN
B4	21	Islam Saiful	United Kingdom	ORDINARY
B4	23	Jungwirth Pavel	Czech Republic	ORDINARY
B4	26	Klymchenko Andrey	France	ORDINARY
B4	27	Kosloff Ronnie	Israel	ORDINARY
B4	28	Krylov Anna	United States	FOREIGN
B4	31	Marek Ilan	Israel	ORDINARY
B4	32	Midgley Paul	United Kingdom	ORDINARY
B4	34	Naaman Ron	Israel	ORDINARY
B4	36	Pagliari Mario	Italy	ORDINARY
B4	37	Parvulescu Vasile	Romania	ORDINARY
B4	38	Pericàs Miquel	Spain	ORDINARY
B4	40	Rogach Andrey	Hong Kong	FOREIGN
B4	41	Schlögl Robert	Germany	ORDINARY
B4	42	Sels Bert	Belgium	ORDINARY
B4	44	Spaldin Nicola	Switzerland	ORDINARY
B4	45	Studer Armido	Germany	ORDINARY
B4	47	Tang Junwang	United Kingdom	ORDINARY
B4	48	Turner Nicholas	United Kingdom	ORDINARY
B4	51	Viñas Teixidor Clara	Spain	ORDINARY
B4	52	Williams Charlotte	United Kingdom	ORDINARY
B4	53	Winpenny Richard Eric Parry	United Kingdom	ORDINARY

<b>B5</b>		<b>Earth and Cosmic Sciences (28)</b>	<b>c. Paolo Papale</b>	
B5	1	Becker Thorsten	United States	FOREIGN
B5	3	Bonadonna Costanza	Switzerland	ORDINARY
B5	4	Chen Jianmin	China	FOREIGN
B5	5	Chen Kun-Shan	China	FOREIGN
B5	6	Conrad Clinton	Norway	ORDINARY
B5	7	Costa Antonio	Italy	ORDINARY
B5	8	Daddi Emanuele	France	ORDINARY
B5	9	Edmonds Marie	United Kingdom	ORDINARY
B5	11	Francis Jane	United Kingdom	ORDINARY
B5	12	Garrett Michael	United Kingdom	ORDINARY
B5	13	Guzzetti Fausto	Italy	ORDINARY
B5	14	Hassanizadeh Majid	The Netherlands	ORDINARY
B5	15	Hering Janet	Switzerland	ORDINARY
B5	16	Legendre Louis	France	ORDINARY
B5	17	Lohmann Gerrit	Germany	ORDINARY
B5	18	Mather Tamsin	United Kingdom	ORDINARY

B5	19	Meylan Georges	Switzerland	ORDINARY
B5	20	Nenes Athanasios	Switzerland	ORDINARY
B5	22	Pósfai Mihály	Hungary	ORDINARY
B5	23	Salje Ekhard	United Kingdom	ORDINARY
B5	24	Sobolev Stephan	Germany	ORDINARY
B5	25	Starck Jean-Luc	France	ORDINARY
B5	27	Weng Qihao	United States	FOREIGN
B5	28	Wu Fengchang	China	FOREIGN

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

Sect.		Full name	Country	Membership type
<b>C1</b>		<b><u>Biochemistry and Molecular Biology (28)</u></b>	<b>c. Eva Kondorosi</b>	
C1	1	Agathos Spiros	Belgium	ORDINARY
C1	2	Aro Eva-Mari	Finland	ORDINARY
C1	3	Blume Yaroslav	Ukraine	ORDINARY
C1	4	Bullard Belinda	United Kingdom	ORDINARY
C1	5	Böckmann Anja	France	ORDINARY
C1	6	Costantino Paolo	Italy	ORDINARY
C1	7	De Reuse Hilde	France	ORDINARY
C1	8	Delarue Marc	France	ORDINARY
C1	9	Geiszt Miklós	Hungary	ORDINARY
C1	11	Jones Simon Arnett	United Kingdom	ORDINARY
C1	12	Jonjic Stipan	Croatia	ORDINARY
C1	13	Lu Zhimin (James)	China	FOREIGN
C1	14	Martin Carlos	Spain	ORDINARY
C1	15	Martínez-Salas Encarnación	Spain	ORDINARY
C1	16	Matic Ivan	France	ORDINARY
C1	17	Mazel Didier	France	ORDINARY
C1	18	Myllyharju Johanna	Finland	ORDINARY
C1	19	Naef Felix	Switzerland	ORDINARY
C1	21	O'Connell Mary Anne	Czech Republic	ORDINARY
C1	22	Parkhill Julian	United Kingdom	ORDINARY
C1	23	Plaseska-Karanfilska Dijana	North Macedonia	ORDINARY
C1	24	Plavec Janez	Slovenia	ORDINARY
C1	25	Rao Zihe	China	FOREIGN
C1	26	Serpell Louise	United Kingdom	ORDINARY
C1	27	Toncheva Draga	Bulgaria	ORDINARY
C1	28	Ule Jernej	Slovenia	ORDINARY
C1	30	van Rij Ronald	The Netherlands	ORDINARY
C1	31	Vértessy G. Beáta	Hungary	ORDINARY

<b>C2</b>		<b><u>Cell and Developmental Biology (10)</u></b>	<b>c. Crisanto Gutierrez</b>	
C2	2	Chuva de Sousa Lopes Susana	The Netherlands	ORDINARY
C2	3	Helleday Thomas	Sweden	ORDINARY
C2	5	Koonin Eugene	United States	FOREIGN
C2	6	Leyser Ottoline	United Kingdom	ORDINARY
C2	7	Santoro Maria Gabriella	Italy	ORDINARY
C2	8	Schneider Robert	Germany	ORDINARY
C2	9	Stark Alexander	Austria	ORDINARY
C2	10	ten Dijke Peter	The Netherlands	ORDINARY
C2	11	Torres-Padilla Maria-Elena	Germany	ORDINARY
C2	12	Turner Martin	United Kingdom	ORDINARY

<b>C3</b>		<b><u>Physiology and Neuroscience (18)</u></b>	<b>c. Tibor Harkany</b>	
C3	1	Adam-Vizi Vera	Hungary	ORDINARY
C3	3	Bestmann Sven	United Kingdom	ORDINARY
C3	4	Candi Eleonora	Italy	ORDINARY
C3	5	Castrén Eero	Finland	ORDINARY
C3	6	De Bono Mario	Austria	ORDINARY
C3	7	De Vries Jolanda	The Netherlands	ORDINARY
C3	8	DeFelipe Javier	Spain	ORDINARY
C3	9	Denes Adam	Hungary	ORDINARY
C3	11	Galea Elena	Spain	ORDINARY
C3	13	Ji Weizhi	China	FOREIGN
C3	14	Kalueff Alan	Russia	ORDINARY
C3	15	Kossut Małgorzata	Poland	ORDINARY
C3	16	Meijer Johanna	The Netherlands	ORDINARY
C3	17	Paterson David	United Kingdom	ORDINARY
C3	18	Shaw Christopher Edward Dennistoun	United Kingdom	ORDINARY
C3	19	Tchanturia Kate	United Kingdom	ORDINARY
C3	20	Treves Alessandro	Italy	ORDINARY
C3	21	Wisden William	United Kingdom	ORDINARY

<b>C4</b>		<b><u>Organismic and Evolutionary Biology (11)</u></b>	<b>c. Christophe Thébaud</b>	
C4	1	Bertranpetit Jaume	Spain	ORDINARY
C4	2	Fernández-Palacios José María	Spain	ORDINARY
C4	3	Hartel Tibor	Romania	ORDINARY
C4	4	Hill Jane	United Kingdom	ORDINARY
C4	5	Holm Patricia	Switzerland	ORDINARY
C4	6	Jin Li	China	FOREIGN
C4	8	Ronce Ophélie	France	ORDINARY
C4	9	Rozas Julio	Spain	ORDINARY
C4	10	Schartl Manfred	Germany	ORDINARY
C4	11	Van der Putten Wim	The Netherlands	ORDINARY
C4	12	Wei Fuwen	China	FOREIGN

C5		<b><u>Clinical and Veterinary Science (21)</u></b>	<b>c. Stephen Holgate</b>	
C5	1	Bousema Teun	The Netherlands	ORDINARY
C5	2	Cai Zhiming	China	FOREIGN
C5	3	Chambers Mary	United Kingdom	ORDINARY
C5	4	Cooper Cyrus	United Kingdom	ORDINARY
C5	5	Esteller Manel	Spain	ORDINARY
C5	6	Gallagher Anthony	Belgium	ORDINARY
C5	7	Godfrey Keith	United Kingdom	ORDINARY
C5	8	Hafsteinsdóttir Thóra Berglind	The Netherlands	ORDINARY
C5	9	Kuijpers Taco	The Netherlands	ORDINARY
C5	10	Ma Daqing	United Kingdom	ORDINARY
C5	11	Majeti Ravikumar	United States	FOREIGN
C5	12	McInnes Iain	United Kingdom	ORDINARY
C5	13	Primrose John Neil	United Kingdom	ORDINARY
C5	14	Prins Judith	The Netherlands	ORDINARY
C5	15	Roussos Charalambos	Greece	ORDINARY
C5	16	Schwartz Robert	United States	FOREIGN
C5	17	Swedberg Karl	Sweden	ORDINARY
C5	18	Toes Reinaldus Everardus Maria	The Netherlands	ORDINARY
C5	19	Wang Chen	China	FOREIGN
C5	20	Williams Graham Richard	United Kingdom	ORDINARY
C5	21	Zhang Liwei	China	FOREIGN



## **Annex 2 Trustees, 'Council', and Section Committee composition as at 31<sup>st</sup> December 2021**

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

In November 2015 the Board approved the designation of several existing Trustees as Vice Presidents *ex officio*, to reflect new portfolios. In 2020 these were Professor Don 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](http://www.ae-info.org)).

### **Members of the Board of Trustees (at 31<sup>st</sup> December 2021)**

Elected officers:

The President – Professor Sierd Cloetingh (Utrecht) from AGM 2014 to the end of 2021

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

The Vice President (*officio*) – Professor Genoveva Marti to the end of 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 {resigned in October 2021}

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

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

Professor Eystein Jansen (NOR) co-opted from January 2021 until the end of 2023. Academic Director of the Bergen Hub

Professor Marja Makarow elected as President-elect from January 2021 until the end of 2021, then President.

### **Academia Europaea - Composition of the Advisory Council (at 31 December 2021)**

Following the establishment of the Class structure and the allocation of Sections into the four Classes, the role for a single Advisory Council (hereinafter The Council) meeting only annually and with a very limited function, has been replaced by a variable configuration composed of the four classes. The Section chairs (as members of the Council) are all members of one of the Class committees. Within each Class configuration, each Section chair has a term three years, with the possibility of renewal for one further period of three years. The Class chairs are independently appointed and are members of the Board of trustees, and therefore they act as the (independent) representative of the Council 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 Members<sup>1</sup>**

At 31 December 2021

#### **A CLASS A1**

**Class Chair, Poul Holm (Trinity, Dublin, R of Ireland) [holmp@tcd.ie](mailto:holmp@tcd.ie)**

**Vice-chair: Professor Göran Bolin, Sweden [Goran.bolin@sh.se](mailto:Goran.bolin@sh.se)**

#### **A1 History & Archaeology**

Chairperson2: Nikita Harwich Vallenilla (until December 2022 not renewable)<sup>4</sup>

[harwich.nikita@noos.fr](mailto:harwich.nikita@noos.fr)

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

Committee: Amalia Polónia, (till end 2022 Section chair from Jan 2023); 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](mailto:gerd.haverling@lingfil.uu.se)

University of Uppsala, Dept. of Linguistics & Philology

Committee: Barbara Borg (till end 2022), 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 Bertinetto (till end 2022, renewable).  
bertinetto@sns.it  
SNS, Pisa, Italy  
<http://linguistica.sns.it/PaginePersonal/Bertinetto.htm>

Committee : Asifa Majid Vice Chair (to end of 2023), Nigel Vincent (to end of 2023), Alain Peyraube (to end 2022, renewable), Angela Ralli, to end of 2022, renewable), Harald Baayen (to end of 2022, renewable). Katalin E. Kiss (to end of 2023, 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](http://www.ae-info.org/ae/User/Biti_Vladimir)  
University of Vienna, Institut für Slawistik, Spitalgasse 2-4, Hof 3, 1090 Vienna, Austria

Committee: César Dominguez, Vivian Liska (to end 2023), Martin Middeke (to end of 2021, renewable), Francoise Lavocat (to end of 2023, renewable). Catriona Seth (to end of 2023, renewable)

### **A5 Musicology & Art History**

Chairperson: Laurenz Lütteken (till end 2022)  
University of Zurich. [luetteken@access.uzh.ch](mailto:luetteken@access.uzh.ch)  
[http://www.ae-info.org/ae/Member/L%C3%BCtteken\\_Laurenz](http://www.ae-info.org/ae/Member/L%C3%BCtteken_Laurenz)

Committee: Melanie Wald-Fuhrmann (until end of 2021, renewable), Tanja Michalsky (to end of 2022, renewable), Barbara Baert (to end of 2023 renewable), Thierry Favier (to end of 2023, renewable), Ulrich Pfisterer (to end of 2023, renewable), Caroline van Eck, Cambridge (to end of 2023, 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](mailto: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 2024)  
[Goran.bolin@sh.se](mailto:Goran.bolin@sh.se) School of Culture and Communication, Södertörn University, Sweden

Committee: Maren Hartmann and Fausto Colombo (to end of 2020, renewable), Helena Bilandzic (to the end of 2021, renewable), Gustavo Cardoso (to end of 2023, renewable).

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### **CLASS A2**

**Class Chair Björn Wittrock, Uppsala (Swedish Collegium).** [bjorn.wittrock@swedishcollegium.se](mailto:bjorn.wittrock@swedishcollegium.se)  
**Vice-chair: Professor Shalini Randeria, Vienna** [randeria@iwm.at](mailto:randeria@iwm.at)

### **A8 Economics, Business and Management Sciences**

Chairperson: Martin Kahanec (to end of 2023, renewable)  
[kahanecm@spp.ceu.edu](mailto:kahanecm@spp.ceu.edu) Central European University, Vienna, and Central European Labour Studies Institute (CELSI, Bratislava)

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), Klaus Zimmermann (to end of 2023, renewable)

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

Chairperson: Peter Scott (to June 2022)- extended to June 2022  
[p.scott@ioe.ac.uk](mailto: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), Pauli Kettunen (to end of 2022, renewable), Archana Singh-Manoux (to end of 2022)

### **A 10. Human Mobility, Governance, Environment and Space**

Chairperson: Maria Paradiso (to end 2023)  
[maria.paradiso@unimi.it](mailto:maria.paradiso@unimi.it)  
Department DEMM of Social Sciences. Geography Unit. University of Sannio, Piazza Arechi II, 82 - 82100 Benevento, Italy

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

#### **A11 Law**

Chairperson: Nina Dethloff (to end 2022, renewable)

dethloff@uni-bonn.de

Faculty of Law, University of Bonn

Committee: Rosa Greaves (until end 2022), 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); Tatjana Josipović (until end of 2023, renewable). Rianne Letschert (until end of 2023, renewable). Christopher Thornhill (to end of 2023, 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), Mara Dierssen (to end of 2023, renewable)

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#### **CLASS B**

**Class Chair: Don Dingwell, LMU, Munich to end of 2021.** Then Paolo Papale (from 1 January 2022 until end of 2024, renewable once)

paolo.papale@ingv.it

Istituto Nazionale di Geofisica e Vulcanologia, Italy

#### **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), Amie Wilkinson (to end 2022, renewable), Maria Esteban (to end 2022, renewable), Karen Vogtmann (to end of 2024, 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: Manuel Hermenegildo (to end of 2021, renewable), Onur Mutlu (to end of 2021, renewable), Erol Gelenbe (to end of 2021, renewable), Wil van der Aalst (to end of 2023, renewable), Rajiv Ranjan (until end of 2024, renewable)

#### **B3 Physics and Engineering Sciences**

Chairperson: Pavel Exner (until end of 2024)

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

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

#### **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: Carmen Claver (to end of 2022), Janine Cossy (to end of 2022), Joachim Sauer (to end of 2022), Bert Weckhuysen (to end 2022), Valentine Ananikov (to end of 2022, renewable), Ulrike Diebold (to end of 2023, renewable, new chair from Jan 2023)

## **B5 Earth and Cosmic Sciences**

Chairperson: Mike Burton (to end of 2024, renewable)  
mike.burton@manchester.ac.uk  
School of Earth and Environmental Sciences, University of Manchester, UK

Committee: Tuija Pulkkinen (till end 2021), John Ludden (till end 2021), Gerald Gilmore (till end of 2023), Todd Ehlers (till end 2022, renewable)

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## **CLASS C**

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

**Deputy Chair. Vacant**

## **C1 Biochemistry and Molecular Biology**

Chairperson: Ray Dixon (to end of 2024, renewable)  
ray.dixon@jic.ac.uk  
John Innes Centre, Norwich, UK

Committee : 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: Crisanto Gutierrez (to end of 2023, renewable)  
cgutierrez@cbm.csic.es  
Centro de Biología Molecular Severo Ochoa, Spanish National Research Council (CSIC), Madrid, Spain  
[https://www.ae-info.org/ae/Member/Gutierrez\\_Crisanto](https://www.ae-info.org/ae/Member/Gutierrez_Crisanto)

Committee: Meinrad Busslinger (to end of 2022), Austin Smith (to end 2022), Christine Mummery (to end of 2024), Maria-Elena Torres-Padilla (to end of 2024, renewable), Ivan Dikic (to end of 2024, renewable)

## **C3 Physiology and Neuroscience**

Chairperson: Balazs Gyulas (to end of 2024, renewable)  
Karolinska, Stockholm and  
Centre for Neuroimaging Research at NTU. Lee Kong Chian School of Medicine. Hong Kong  
balazs.gulyas@ntu.edu.sg

Committee: Alfonso Araque (till end 2021), Robert Zorec (until 30 June 2022), Riitta Salmelin (till 30 June 2022), Barbara Franke (till 30 June 2022), Dmitri Rusakov (to end 2022, renewable), Alexey Semyanov (until the end of 2023, renewable), Michaela Matteoli (until end of 2023, renewable), Karin Sipido (until end of 2024, renewable), Zaal Kokaia (until end of 2024, renewable).

## **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: Peter Hegyi (To end 2024, renewable)  
hegyi2009@gmail.com  
Semmelweis University, Budapest  
Committee: Christopher Griffiths (until end 2022), Paul Matthews (until end 2022), Richard Frackowiak (until end 2022)

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**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)