

2021

ANNUAL REPORT

THE ROYAL ACADEMIES FOR SCIENCE AND THE ARTS OF BELGIUM



Académie royale des Sciences, des Lettres
et des Beaux-Arts de Belgique



Koninklijke Vlaamse Academie van België
voor Wetenschappen en Kunsten

The Royal Academies for Science and the Arts of Belgium - RASAB vzw/asbl

RASAB

ANNUAL REPORT 2021

www.rasab.be

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Accounting

THE ROYAL ACADEMIES FOR SCIENCE AND THE ARTS OF BELGIUM

1. Introduction

The association 'The Royal Academies for Science and the Arts of Belgium' (vzw/asbl) was founded in 2001 by the Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique (ARB)¹ and the Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten (KVAB)². The association is located in the Palace of Academies in Brussels.

The Royal Academies of Belgium work to promote science and art in Belgium. To meet this demand, the Academies organise scientific and cultural activities, they try to promote inter-university cooperation in Belgium, they provide representation in international and European organizations, they offer a platform for researchers to formulate recommendations to the government, industry, education, and research.

RASAB is responsible for the coordination of the activities of the two Academies at a national and international level, as well for the national scientific committees as for the representation of Belgium in the federation of Academies such as EASAC, ALLEA, ISC, SAPEA, etc.

The statutes of RASAB were published in the *Moniteur Belge / Belgisch Staatsblad* of 19 April 2001.

2. Governance

The General Assembly is composed of the Chairmen, the Permanent Secretaries and one representative for each of the four classes of both academies, a total of 12 members.

The annual presidency of RASAB is held alternately by the presidents of the academies. In 2021, RASAB was chaired by M^{rs} Elisabeth Monard, president of the Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten (KVAB).

¹ www.academieroyale.be

² www.kvab.be

Board of Directors 2021

ARB	KVAB
Isabelle Ferreras <i>Chair</i>	Elisabeth Monard <i>Chair</i>
Didier Viviers <i>Permanent Secretary</i>	Freddy Dumortier <i>Permanent Secretary</i>

General Assembly 2021

ARB	KVAB
Isabelle Ferreras <i>Chair</i>	Elisabeth Monard <i>Chair</i>
Didier Viviers <i>Permanent Secretary</i>	Freddy Dumortier <i>Permanent Secretary</i>
Albert Goldbeter <i>Classe des Sciences</i>	Christoffel Waelkens <i>Klasse van de Natuurwetenschappen</i>
Christian Vandermotten <i>Classe des Lettres et des Sciences morales et politiques</i>	Els Witte <i>Klasse van de Menswetenschappen</i>
Henri Vanhulst <i>Classe des Arts</i>	Luc Van Hove <i>Klasse van de Kunsten</i>
Jean-Louis Migeot <i>Classe Technologie et Société</i>	Joos Vandewalle <i>Klasse van de Technische Wetenschappen</i>

The 2021 RASAB General Assembly was held online on June 7th, due to the Covid-19 pandemic.

NATIONAL SCIENTIFIC COMMITTEES

1. Introduction

The mission of the Belgian scientific committees is the promotion and coordination of various scientific disciplines in Belgium, mainly seen in an international context.

The national scientific committees work under the patronage of the Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique and the Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten, gathered in RASAB which is responsible for the financial and logistic support of the National Committees, as well for their daily activities, as for the organisation of scientific events by the National Committees in the Palace of the Academies.

The National Committees are composed equally of members of the French and Dutch-speaking linguistic roles.

2. Annual Activity Reports

Each year, the Belgian scientific committees publish their annual activity reports with the help of RASAB. For clarity, these reports are not directly integrated into the RASAB annual report but published in a separate volume.

This volume is downloadable on our website³.

3. List of the National Scientific Committees & International Unions

The conditions for the foundation of a National Committee are the existence of an international scientific union which is a member of ISC or a member of a scientific institution of ISC (scientific committees, special committees, etc.) in the same scientific discipline.

All Belgian national committees are members of one or more international organizations in which they represent Belgium.

³ www.rasab.be

National Committees	International unions
1) Antarctic Research	Scientific Committee on Antarctic Research www.scar.org
2) Astronomy	International Astronomical Union (IAU) http://www.iau.org
3) Biochemistry and Molecular Biology	International Union of Biochemistry and Molecular Biology (IUBMB) www.iubmb.org
4) Biomedical Engineering	International Federation for Medical and Biological Engineering (IFMBE) www.ifmbe.org International Union for Physical and Engineering Sciences in Medicine (IUPESM) www.iupesm.org
5) Biophysics	International Union of Pure and Applied Biophysics (IUPAB) www.iupab.org
6) Chemistry	International Union of Pure and Applied Chemistry (IUPAC) www.iupac.org
7) Crystallography	International Union of Crystallography (IUCr) www.iucr.org
8) Geodesy and Geophysics	International Union of Geodesy and Geophysics (IUGG) www.iugg.org

9)	Geography	<p>International Geographical Union (IGU)</p> <p>www.igu-net.org</p>
10)	Geological Sciences	<p>International Union of Geological Sciences (IUGS)</p> <p>www.iugs.org</p>
11)	Logics, History and Philosophy of Science	<p>International Union of History and Philosophy of Science (IUHPS),</p> <ul style="list-style-type: none"> • Division of History of Science and Technology (IUHPS-DHST) • Division of Logic, Methodology and Philosophy of Science (IUHPS-DLMPS) <p>www.dlmps.org</p>
12)	Mathematics	<p>International Mathematical Union (IMU)</p> <p>http://www.mathunion.org</p>
13)	Mechanics	<p>International Union of Theoretical and Applied Mechanics (IUTAM)</p> <p>www.iutam.net</p>
14)	Microbiology	<p>International Union of Microbiological Societies (IUMS)</p> <p>www.iums.org</p>
15)	Physiology and Pharmacology	<p>International Union of Physiological Sciences (IUPS)</p> <p>www.iups.org</p> <p>International Union of Pharmacology (IUPHAR)</p> <p>www.iuphar.org</p>
16)	Physics	<p>International Union of Pure and Applied Physics (IUPAP)</p> <p>www.iupap.org</p>

17)	Psychological Sciences	International Union of Psychological Science (IUPsyS) www.iupsys.net
18)	Quaternary Research (BELQUA)	International Union for Quaternary Research (INQUA) www.inqua.org
19)	Radio-electricity	International Union of Radio Science (URSI) www.ursi.org
20)	Soil Sciences	International Union of Soil Sciences (IUSS) www.iuss.org
		International Union of Biological Sciences (IUBS)* www.iubs.org

* Belgian support for this association is maintained despite the current absence of national committees to coordinate liaison.

INTERNATIONAL COOPERATION

1. ALL European Academies – ALLEA⁴

a. Introduction

ALLEA is the European Federation of Academies of Sciences and Humanities, representing more than 50 academies from over 40 EU and non-EU countries. Since its foundation in 1994, ALLEA speaks on behalf of its members on the European and international stages, promotes science as a global public good, and facilitates scientific collaboration across borders and disciplines.

Academies are self-governing bodies of distinguished scientists drawn from all fields of scholarly inquiry. They contain a unique human resource of intellectual excellence, experience and multidisciplinary knowledge dedicated to the advancement of science and scholarship in Europe and the world.

Jointly with its members, ALLEA seeks to improve the conditions for research, to provide the best independent and interdisciplinary science advice available, and to strengthen the role of science in society. In doing so, ALLEA channels the expertise of European academies for the benefit of the research community, decision-makers and the public. Outputs include science-based advice in response to societally relevant topics, as well as activities to encourage scientific cooperation, scientific reasoning and values through public engagement.

ALLEA is constituted as a non-for-profit association and remains fully independent from political, religious, commercial or ideological interests.

ALLEA's activities focus on: Research Ethics and Research Integrity, Intellectual Property Rights, E-Humanities, Data Governance, Genome Editing, Health Inequalities, Science Education, Truth, Trust and Expertise, Academics Freedom, ...

b. Activities 2021

ALLEA published several reports and statements in 2021, including:

⁴ <http://www.allea.org>

- Report *International sharing of personal health data for research*, April 2021; Joint report with the European Academies Science Advisory Council (EASAC) and the Federation of European Academies of Medicine (FEAM).
- Discussion paper *Fact or Fake? Tackling Science Disinformation*, May 2021.
- Report *Research Assessments that Promote Scholarly Progress and Reinforce the Contract with Society*, July 2021; Joint report with the Global Young Academy (GYA).
- Statement on *The European Commission Public Consultation on the Data Act*, September 2021.
- Statement *Equity in Open Access*, October 2021.
- Report *Health Inequalities Research: New methods, better insights?*, November 2021.
- Statement on *Vaccination Bottlenecks in the Global South and a Patent Waiver for Covid-19 Vaccines*, December 2021.

ALLEA organised several events open to the public during the year, including:

- Workshop *Current Challenges for International Large-scale Studies of Achievement*, Digital Event, January 2021, in cooperation with the National Academy of Educational Sciences of Ukraine.
- Webinar *Alternative Proteins, Consumers and Sustainability in Europe: Where next?*, February 2021.
- Webinar *Research integrity: how can we support and protect early-career researchers in cases of scientific misconduct?*, March 2021.
- Webinar *Academic Freedom and Intellectual Dissent*, June 2021.
- Conference *Future of Science Communication*, Digital Event, June 2021.
- Conference *Beyond the Apple of Discord*, Digital Event, July 2021, organised by Re-Imagine Europa (RIE) together with ALLEA and EU-SAGE.
- 2021 Madame de Staël Prize Lecture *Climate Change in Human Rights Courts: Overcoming Procedural Hurdles in Transboundary Environmental Cases*, Berlin, November 2021.
- 11th Annual Conference of the *Observatory on History Teaching in Europe*, Strasbourg, December 2021.
- Final Conference *Health Inequalities: New Methods, Better Insights?* Amsterdam, December 2021.

c. Belgian representation

General Assembly

Luc Duerloo (KVAB), François de Callataÿ (ARB) and Véronique Cabiaux (ARB) represented Belgian Academies at the ALLEA General Assembly. The 2021 session was held online on 5 May, organised by the Council of Finnish Academies.

The next ALLEA General Assembly will take place in Brussels on 11 and 12 May 2022. the Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique and the Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten will host the two-day event at the Academy Palace, in the heart of the Belgian capital.

Working Groups

- *Horizon 2020 - Framework Programme 9 Working Group*

The FP9 Working Group seeks to continue to ensure that any successor research programme to Horizon 2020 is developed with the interests of the Sciences community in mind and in particular to ensure that the Social Sciences and Humanities are fully represented.

Didier Viviers (ARB) is the Belgian representative in this think tank group.

2. International Council of Academies of Engineering and Technological Sciences – CAETS

a. Introduction

CAETS is an independent non-political, non-governmental, international organization of engineering and technological sciences academies, one member academy per country, that advances the following objectives:

- Prepared to advise governments and international organizations on technical and policy issues related to its areas of expertise;
- Contribute to the strengthening of engineering and technological activities to promote sustainable economic growth and social welfare throughout the world;
- Foster a balanced understanding of the applications of engineering and technology by the public;

- Provide an international forum for discussion and communication of engineering and technological issues of common concern;
- Foster cooperative international engineering and technological efforts through meaningful contacts for development of programs of bilateral and multilateral interest;
- Encourage improvement of engineering education and practice internationally; and
- Foster establishment of additional engineering academies in countries where none exist.

The first International Convocation of Academies of Engineering and similar institutions was held in 1978. Slight changes were made in the title of subsequent convocations from 1980 to 1985. In 1985 the name “Council of Academies of Engineering and Technological Sciences (CAETS)” was agreed upon. Upon incorporation in 2000, the name became the “International Council of Academies of Engineering and Technological Sciences, Inc. (CAETS).”

b. Activities in 2021

The annual congress took place in Argentina in September, with mainly digital participation. The theme of the annual meeting was *The Future of Energy*.

CAETS has launched a new initiative in 2021: science communication prizes. There are two categories: one for members of the affiliated academies and one for junior high potentials.

c. Belgian representation

Board

Elisabeth Monard (KVAB) has been appointed as member of the Board of Directors for a mandate of 2 years.

General Assembly

Paul Verstraeten (KVAB) is the Belgian delegate within the CAETS General Assembly.

Steering Committees

Christiane Malcorps (KVAB) and Willy Van Overschée (KVAB) joined the CAETS diversity steering group.

3. European Academies Science Advisory Council – EASAC⁵

d. Introduction

EASAC - the European Academies Science Advisory Council - is formed by the national science academies of the EU Member States to enable them to collaborate in providing advice to European policy-makers. It thus provides a means for the collective voice of European science to be heard. Its mission reflects the view of academies that science is central to many aspects of modern life and that an appreciation of the scientific dimension is a pre-requisite to wise policy-making. This view already underpins the work of many academies at the national level. With the growing importance of the European Union as an arena for policy, academies recognise that the scope of their advisory functions needs to extend beyond the national to cover also the European level.

EASAC is mainly focused on biosciences, energy and environment.

EASAC is a member of SAPEA - Science Advice for Policy by European Academies - part of the European Commission Scientific Advice Mechanism (SAM).

e. Activities 2021

EASAC published several reports and statements in 2021:

- *International Sharing of Personal Health Data for Research*, April 2021.
- *Decarbonisation of the Health Sector*, April 2021.
- *Decarbonisation of buildings: for climate, health and jobs*, June 2021.
- *A sea of change: Europe's future in the Atlantic realm*, June 2021.
- *Key Messages from European Science Academies for UNFCCC COP26 and CBD COP15*, June 2021.
- *Key Messages from European Science Academies for UNFCCC COP26 and CBD COP15*, August 2021.
- *Tackling the effects of climate change on health in the Mediterranean and surrounding regions*, October 2021.

EASAC organised several events open to the public during the year, including:

- EASAC-FEAM webinar on *Decarbonisation of the Health Sector*, virtual event, May 2021.
- Launch of EASAC Report on the *Decarbonisation of Buildings*, virtual event, June 2021.

⁵ <http://www.easac.eu>

- Discussion event for ALLEA-EASAC-FEAM Report on *International Health Data Transfert*, virtual event, June 2021.
- *Global Food Security Challenges*, webinar, June 2021.
- Launch event for EASAC Report on *A sea of change: Europe's future in the Atlantic realm*, June 2021.
- *Predatory Academic Journals and Conferences: a European perspective*, Joint IAP-EASAC webinar, November 2021.

f. Belgian representation

Council

Michel Crucifix (ARB) is the Belgian representative in the EASAC Board. He participated in the following meetings:

- General Assembly, Paris, 2-3 December.

Steering panels and working groups

EASAC's standing committees decide on the scientific projects of the federation. Belgian Academies are represented in 2021 in 1 steering panel and 2 working groups:

- Energy Steering Panel: Derrick Gosselin (KVAB) is the Belgian representative in the EASAC's Energy Steering Panel.
- Crisis Resilience Working Group: Derrick Gosselin (KVAB) was recently appointed in this new working group.
- Regenerative Agriculture Working Group: Marc Van Montagu (KVAB) and Guy Smagghe (KVAB) are members of this working group.

4. European Science Advisors Forum - ESAF⁶

a. Introduction

The European Science Advisors Forum (ESAF) is an independent, informal network of European science-based strategic advisors, led by its members. ESAF is a non-legal entity without a budget. Members must be able to provide evidence-based strategic advice to their democratic governments. Their advice should be based on the highest quality public research. ESAF members have a lot to gain from exchanging information, expertise, practices, and results. Since such an exchange is not self-evident, ESAF provides a platform and network for organizations

⁶ www.esaforum.eu

that can operate in different systems, but share a common ground in their ambition to provide the best science-based strategic advice. ESAF has no formal advisory role (and is complementary to SAPEA in that sense), but ESAF members can join forces and provide joint advice.

b. Belgian representation

At the request of BESLPO, Didier Viviers (ARB) and Joos Vandewalle (KVAB) are the Belgian representatives within ESAF.

5. European Council of Academies of Applied Sciences, Technologies and Engineering - Euro-CASE⁷

a. Introduction

The European Council of Academies of Applied Sciences, Technologies and Engineering is an independent non-profit umbrella organization of national academies of engineering, applied sciences and technology from 22 European countries. Founded in 1992, it acts as a permanent forum for exchanges and consultation between European institutions, industry and research institutions.

Since 2018, the Belgian Academies are again members of Euro-CASE.

b. Belgian representation

Board

Luc Chefneux (ARB) and Joos Vandewalle (KVAB) are Belgian representatives in the Euro-Case Board and participated in meetings:

- Board meeting, 14 June, online.
- Workshop « Challenges for Science and Technology in the post-covid period - From Research to Innovation: A Challenge for Europe », 9-10 September.
- Board meeting, online, 26 November, and congress "Engineering to Build Back Better" (25-26 November).

Working groups

Challenges for science and technology in the post-covid period Working group.

This Working group was launched following a paper issued by Erol Gelenbe with a team from the Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique (ARB) at the end

⁷ www.euro-case.org

of 2020 concerning the Necessary evolution of Scientific and Technology Communication and Dissemination in a post Covid world.

The working group is currently finalising a report including recommendations to be presented by the end of the year. A Workshop was organised at the Paris Scientific Center of the Polish Academy of Sciences on September, 10 2021 to present to Euro-CASE members academies the initial works. Several members of the ARB are involved in this Working group: Erol Gelenbe, Guy Brasseur, Luc Chefneux, Véronique Dehant, Jean-Paul Haton, Michel Judkiewicz and Bernard Rentier.

6. International Human Rights Network of Academies and Scholarly Societies⁸

a. Introduction

The International Human Rights Network of Academies and Scholarly Societies is a worldwide network of about 60 academies that assists scientists, scholars, engineers, and health professionals around the world who are subjected to severe repression solely for having non-violently exercised their rights as promulgated by the Universal Declaration of Human Rights (UDHR). It also promotes human rights consciousness-raising and institutional commitment to human rights work among national academies and scholarly societies worldwide.

b. Belgian representation

To answer to the demands set by the network, the Académie royale de Belgique and the Koninklijke Vlaamse Academie van België have created a committee: *The Committee for the Free Practice of Science and Arts*.

Composition

ARB	KVAB
Jean-Marie Frère <i>Classe des Sciences</i>	Irina Veretennicoff <i>Klasse van de Natuurwetenschappen</i>
Paul Smets† <i>Classe des Lettres et des Sciences morales et politiques</i>	Marie-Claire Foblets <i>Klasse van de Menswetenschappen</i>
Pierre Bartholomée <i>Classe des Arts</i>	Willem Elias <i>Klasse van de Kunsten</i>

⁸ http://www7.nationalacademies.org/humanrights/CHR_044113.htm

Carine Doutrelepon
Classe Technologie et Société

Derrick Gosselin
Klasse van de Technische Wetenschappen

7. InterAcademy Partnership – IAP⁹

IAP is a global network of the world's science academies, launched in 1993. Its primary goal is to help member academies work together to advise citizens and public officials on the scientific aspects of critical global issues. IAP is particularly interested in assisting young and small academies in achieving these goals and, through the communication links and networks created by IAP activities, all academies will be able to raise both their public profile among citizens and their influence among policy makers.

8. International Science Council– ISC¹⁰

a. Introduction

The International Council for Science is a non-governmental organization with a global membership of national scientific bodies (140 members) and international scientific unions (40 members). All Belgian National Committees are members of one of these international scientific unions.

The vision of the Council is to advance science as a global public good. Scientific knowledge, data and expertise must be universally accessible and its benefits universally shared. The practice of science must be inclusive and equitable, also in opportunities for scientific education and capacity development.

b. Belgian representation

Christoffel Waelkens is the Belgian representative in ISC. He attended the digital annual meeting of the European members of the ISC on 10 and 11 June, and the second ISC General Assembly from 11 to 13 October, also via digital means.

⁹<http://www.interacademies.net>

¹⁰ <https://council.science/><http://www.icsu.org/>

9. Science Advice for Policy by European Academies – SAPEA¹¹

a. Introduction

SAPEA brings together the outstanding knowledge and expertise from over 100 academies, young academies and learned societies in over 40 countries across Europe.

Working closely with the European Commission Group of Chief Scientific Advisors, SAPEA provides timely, independent and evidence-based scientific expertise for the highest policy level in Europe and for the wider public. Find out more about SAPEA's working processes: Guidelines on Advising Policymakers and Society & Procedures for Quality Assurance of Scientific Advice. SAPEA is part of the European Commission Scientific Advice Mechanism (SAM) which provides independent scientific advice to the College of European Commissioners to support their decision making.

b. Activities 2021

SAPEA published reports and statements in 2021:

- *A Systemic Approach to the Energy Transition in Europe, June 2021.*

Ronnie Belmans (KVAB) contributed to this SAPEA Evidence Review Report.

¹¹ <https://www.sapea.info>

10. Union Académique Internationale - UAI¹²

a. Introduction

The UAI is the global organization of national academies in the fields of the humanities and social sciences. It aims to initiate, recognize, foster and fund basic long-term international research projects. Created in 1919 in Paris with a general secretariat established in Brussels, the UAI comprises at the moment more than a hundred academies from 63 countries from all continents.

Recognizing that many substantial projects in humanities and social sciences cannot be realized within a short period, the UAI prides itself on being willing to support significant long-term projects. The UAI already sponsored more than 4,000 books. Many of them are fundamental reference tools, such as dictionaries, encyclopaedias, and text editions, some of which are disseminated on the web. The UAI is constantly launching new international projects, and its most recent one deals with Greek inscriptions from the Byzantine period. Projects adopted by the UAI are expected to be based on cooperation between several national academies. To achieve its aims, the UAI relies on funding from private and public sources.

The UAI advocates for the role of the humanities and the social sciences in a changing world.

b. Belgian representation

General Assembly

The last UAI General Assembly was held online in November 2021. Catheline Pérrier-D'Ieteren (ARB) and Carlos Steel (KVAB) represented the Belgian Academies. The next General Assembly will take place in Philadelphia from the 15th to the 18th May 2023.

Projects¹³

As founding members, the Belgian Academies are involved in many projects sponsored by the UAI:

- Project 1 | *Corpus Vasorum Antiquorum*: A new committee has been created to publish new volumes on Belgian collections of Greek pottery. In collaboration with the Louvre

¹² <http://www.uai-iaa.org>

¹³ This section of the report is updated every two years at the occasion of the UAI General Assemblies where projects are evaluated. Last updated: 2021 (2021 UAI GA, online).

and the Bavarian Academy, the committee will organize an international conference at the Académie from the 10th to the 13th October 2022.

- Project 9.2 | *Aristoteles Latinus, Corpus Philosophorum Medii Aevi*: Carlos Steel (KVAB) has become the president of the scientific committee and Lisa Devriese (KU Leuven) has become the director of the project. 30 volumes have been published so far. Two volumes were recently published :
 - Aristoteles, *Physiognomonica. Translatio Bartholomaei*, ed. L. Devriese, *Aristoteles Latinus XIX* (Turnhout, 2019).
 - Aristoteles, *De historia animalium. Translatio Guillelmi de Morbeka. Pars secunda: lib. VI-X*, ed. P. Beullens and F. Bossier, *Aristoteles Latinus XVII 2.1.2* (Turnhout, 2021).
- Project 9.3 | *Avicenna Latinus, Corpus Philosophorum Medii Aevi*: This international project is led by the Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique, under the direction of Pierre Jodogne (ARB). 11 volumes have been published. The Académie royale de Belgique informed the UAI that it cannot continue supporting the project after the completion of the *Physica*. An international committee has been established to guarantee the continuation of the project. Jules Janssens (KU Leuven) will be director of the project for the coming five years.
- Project 16 | *Corpus Vitrearum*: Yvette Vanden Bemden (ARB) et Anna Bergmans (KVAB) are members of the Belgian committee.
- Project 20 | *Corpus Antiquitatum Americanensium*: The CAA is an international project composed of an American research group and a European one. Serge Lemaître of the Royal Museums of Arts and History represents Belgium in this project.
- Project 22 | *Fontes Historiae Africanae*: The goal of the FHA is to publish the sources of African history. Jacques Vanderlinden of the Académie Royale des Sciences d'Outre-Mer (ARSOM) represents Belgium in this project where Belgium has already published 5 volumes. The latest Belgian volume was published in 2020.
 - LUFFIN, Xavier (éd.) 2020. *Un autre regard sur l'histoire congolaise. Les documents arabes et swahilis dans les archives belges (1880-1899)*.
- Project 26 | *Sylloge Nummorum Graecorum – SNG* is an international project devoted to numismatic. François de Callataÿ (ARB) is the secretary of the international committee.
- Project 41 | *Corpus des Astronomes Byzantins*: This international project is led by the Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique, under the

direction of Anne Tihon (UCL). The last volume was published in 2016. Others are in preparation.

- Project 44 | *Corpus des Antiquités phéniciennes et puniques*: Eric Gubel (Royal Museums of Arts and History) leads the Belgian team of this project.
- Project 70 | *Iusti Lipsi Epistolae* : This project is led by the Koninklijke Vlaamse Academie van België voor Wetenschappen en Kunsten, under the direction of Dirk Sacré (KUL). A volume has been published recently:
 - ILE IX: *Iusti Lipsi Epistolae*, pars IX: 1596, ed. H. Peeters, Leuven: Peeters, 2019
- Project 72 | *Papyrus-Archives. Edition and Studies*: Willy Clarysse (KVAB) is the director of the project. Last publications:
 - C. Römer, *The Fayoum project, the Themistou meris, The archaeological and papyrological survey*, Collectanea Hellenistica VIII A (398 pp.), 2019.
 - D. Bailey, *The Fayoum project, the Themistou meris, The ceramological survey*, Collectanea Hellenistica VIII B (348 pp.), 2019.
- Project 73 | *Corpus Rubenianum Ludwig Burchard*: Arnout Balis (VUB) is leading the project. The last published volume is:
 - CRLB XIX.3 Portraits of Unidentified Sitters Painted in Antwerp, 2021.
- Project 83 | *Fontes Inediti Numismaticae Antiquae* - FINA: François de Callataÿ (ARB) is the director of the Belgian committee of this project realized in partnership with the Austrian Academy. First publications are expected for 2022.
- Project 93 | *Corpus of Flemish Primitives*: The project on Flemish primitives, ran by the Centre for the Study of the Flemish Primitives, was adopted by the UAI in 2019. Recent publications include:
 - B. Fransen, C. Stroo (eds.), *The Ghent Altarpiece. Research and Conservation of the Exterior*, Bruxelles (Institut royal du Patrimoine artistique), 2020 (430 p.)
 - D. Deneffe, J. Reyniers, *The Ghent Altarpiece. A Bibliography*, Bruxelles (Institut royal du Patrimoine artistique), 2020 (96 p.).
 - G. Steyaert, M. Postec, J. Sanyova, H. Dubois (eds.), *The Ghent Altarpiece. Research and Conservation of the Interior: the Lower Register*, Bruxelles (Institut royal du Patrimoine artistique), 2021 (205 p.).

GENERAL SECRETARIAT OF THE UNION ACADÉMIQUE INTERNATIONALE

Since its foundation in 1919, the Union Académique Internationale has its headquarters in the Palace of Academies in Brussels. The Académie royale des Sciences, des Lettres et des Beaux-Arts de Belgique (ARB) is in charge of the secretariat of the UAI. The Permanent Secretary of the Académie royale de Belgique is the General Secretary of the Union.

1. Organization of the meetings

In 2021, UAI held 3 meetings:

- A Board meeting held online in January;
- A Board meeting held online in June;
- Its General Assembly held online in November.

Didier Viviers, Permanent Secretary of the ARB, is the Secretary-General of the UAI.

2. Involvement of Belgian Academies

Isabelle Algrain, attaché at ARB, is in charge of the UAI general secretariat, with the help of Nicolas Simon (ARB): contact with the member academies and their representatives, evaluation process of the 95 scientific projects of the Union, organization of various meetings, general assemblies and conferences, etc.

She attends all UAI meetings as a member of the General Secretariat.

APPENDICES

LIST OF BELGIAN DELEGATES IN FEDERATIONS OF ACADEMIES (2021)

ALLEA

General Assembly	Luc Duerloo <i>KVAB, Klasse Menswetenschappen</i>
	François de Callataÿ <i>ARB, Classe des Lettres et Sciences morales et politiques</i>
	Véronique Cabiaux <i>ARB, Classe Technologie et Société</i>
Horizon 2020 Working group Working Group	Didier Viviers <i>ARB, Classe des Lettres et Sciences morales et politiques</i>

CAETS

Board	Elisabeth Monard <i>KVAB, Klasse van de Technische Wetenschappen</i>
General Assembly	Paul Verstraeten <i>KVAB, Klasse van de Technische Wetenschappen</i>
Diversity Steering Group	Christiane Malcorps <i>KVAB, Klasse van de Technische Wetenschappen</i>
	Willy Van Overschée <i>KVAB, Klasse van de Technische Wetenschappen</i>

EASAC

Council	Michel Crucifix <i>ARB, Classe des Sciences</i>
Energy Steering Panel	Derrick Gosselin <i>KVAB, Klasse van de Technische Wetenschappen</i>
Crisis Resilience Working Group	Derrick Gosselin <i>KVAB, Klasse van de Technische Wetenschappen</i>
Regenerative Agriculture Working Group	Marc Van Montagu <i>KVAB, Klasse Natuurwetenschappen</i>
	Guy Smagghe <i>KVAB, Klasse Natuurwetenschappen</i>

ESAF

	Didier Viviers <i>ARB, Classe des Lettres et des Sciences morales et politiques</i>
	Joos Vandewalle <i>KVAB, Klasse van de Technische Wetenschappen</i>

Euro-CASE

Board	Luc Chefneux <i>ARB, Classe Technologie et Société</i>
	Joos Vandewalle <i>KVAB, Klasse van de Technische Wetenschappen</i>

<p>Challenges for science and technology in the post-covid period Working group Platform</p>	<p>Erol Gelenbe <i>ARB, Classe Technologie et Société</i></p> <hr/> <p><i>With implication of ARB members :</i> Guy Brasseur, Luc Chefneux, Véronique Dehant, Jean-Paul Haton, Michel Judkiewicz and Bernard Rentier.</p>
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ISC

<p>General Assembly & EU Group</p>	<p>Christoffel Waelkens <i>KVAB, Klasse Natuurwetenschappen</i></p>
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UAI

<p>Board</p>	<p>Didier Viviers, as Secretary General <i>ARB, Classe des Lettres et des Sciences morales et politiques</i></p>
<p>General Assembly</p>	<p>Catheline Périer-D'leteren <i>ARB, Classe des Lettres et des Sciences morales et politiques</i></p>
	<p>Carlos Steel <i>KVAB, Klasse Menswetenschappen</i></p> <hr/> <p>Maximiliaan Martens <i>KVAB, Klasse Kunsten</i></p>