The World's Young Academies 2022

The Triennial Conference of the InterAcademy Partnership (IAP) and the Worldwide Meeting of the Young Academies

> Arizona, USA & online 1-3 November 2022



A brief introduction to the world's Young Academies

A **(National) Young Academy** is an academic organisation typically formed by post-PhD young scientists and scholars at the beginning of their independent careers. They have been selected for the excellence of their research impact and commitment to service.

Membership in a Young Academy is for a limited term, normally 4-5 years, after which members become academy alumni.

Young Academies typically work interdisciplinary and as the **voice of young scientists** for the advancement of issues important to young scientists. This includes, for example, science diplomacy, science education or the dialog between science and society.

As such they bring the voice of early- to mid-career researchers to the national and global tables, build the leadership capacities of the next generation of science leaders, and help communicate scientific findings into politics and society.

Young Academies are not only active within their countries or regions, but also come together for joint activities and projects, e.g., on Open Science, or to produce joint statements, e.g. the <u>2017 Statement</u> on the Role of Young Academies in achieving the UN SDGs, or the 2019 Declaration on the <u>Guiding</u> <u>Principles of Young Academies</u>, for which almost 40 academies from all over the world came together and developed a set of core principles that help to further build this active community of Young Academies.

Young Academies also organise joint meetings, e.g. the 2021 Online Young Academies meeting (hosted by the GYA), the 2022 European Young Academies meeting hosted by the Belgian Young Academy, or the 2022 Worldwide Meeting of Young Academies (2 November). Reports from <u>previous Worldwide</u> <u>Meetings of Young Academies</u> (in 2015, 2017, 2019) might give an indication of what was being discussed at those meetings.

Most Young Academies (but not all) are affiliated to an established National Science Academy.

Overall, 54 National Young Academies exist worldwide (October 2022), with a number of additional national similar bodies, transnational young academies and young scientists networks also being part of the broader young academies network.

The past three years have seen the launch of a number of Young Academies, in countries such as Argentina, DR Congo, Ireland, Ivory Coast, Romania, Rwanda, UK, and Zambia. More Young Academies are close to launching in 2022 or 2023, with Young Academy initiatives currently active in countries the world over, from Mexico and Chile, to Croatia and Italy, and Mongolia, among others.

The GYA and the (National) Young Academies

The Global Young Academy does not act as the umbrella organization for all Young Academies; rather the GYA is an independent young academy, with its own members, policies and activities. However, one of the strategic aims of the GYA is to act as a **facilitator** of the growing global network of young academies and to support their establishment as well as joint projects and meetings.

List of the world's young academies

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* These 18 young academies will be represented by in-person delegates at Biosphere 2.

Young Academy of Argentina

Established: 2020

Email: acadjovenar@gmail.com

Twitter: @AcadJovenAr



Members:54 (female: 21 / male: 33)Alumni:0Duration of membership: 5 years

Membership selection criteria: Early career researchers who have been awarded by one of our partner Senior academies are invited to join AJA. Additionally, early career researchers who fit the *ad hoc* selection criterion defined by the Integration, Diversity and Representation Committee - comprised by AJA members- are invited to join AJA.

Membership selection procedure: Every year, our associated Senior Academies award prizes to young researchers in different disciplines. Thanks to the agreement established between AJA and the Senior Academies, these awardees are also invited to join our Young Academy. Since this selection criterion does not take into account the balance in disciplines -since not all disciplines have awards for young researchers-, gender or geographical representation, AJA has a committee (the Integration, Diversity and Representation Committee) which aims to maximize the breadth of regional, disciplinary and gender representation among members. To this end, this Committee suggests *ad hoc* selection criteria to promote the inclusion of minority researchers. For example, AJA lacked members from the social science and humanities as none of our partner senior academies focus on those fields. Therefore, the Committee on Integration, Diversity and Representation decided on an alternative criterion for social sciences and humanities researchers which consists of inviting all researchers who were selected by CONICET as new researchers in those areas. The Committee considered the fact that the entrance to CONICET in those areas is very competitive and therefore deserves to be equated to receiving an award.

Affiliation to: AJA has tight connections with the National Academy of Exact, Physical and Natural Sciences (Buenos Aires), National Academy of Córdoba (Córdoba), and National Academy of Medicine (Buenos Aires). We have signed letters of understanding with the National Academy of Exact, Physical and Natural Sciences, and the National Academy of Córdoba, in which we committed to reciprocal collaboration for cooperative projects. As mentioned above, these senior academies also contribute to renewing the membership pool by inviting early career researchers who received one of their awards to become AJA members each year. AJA is completely independent from senior academies. So far, AJA has no permanent funding.

Examples of current activities and projects:

1. We are working on the development of the AJA' website. This website will increase the visibility of our members, activities, and international networking.

- 2. Together with the National Ministry of Science, we are launching a new International Award for young Argentinian scientists who are based abroad and still pursuing their research in collaboration with Argentinian teams. The award will consist of a 1-month visit to Argentina as well as the invitation to join AJA.
- **3.** We participated in national debates on science policies. For instance, we were invited at the parliament to discuss on the recently approved law aimed to promote investment by private companies in bio and nanotechnology in Argentina.
- **4.** We supported the organization of regional workshops in Argentina and neighboring countries. For instance, we met Mexican colleagues to tell them about our experience and help them launch their own National Young Academy.
- 5. We keep pushing the international discussion about the gold open access policy for scientific publications, mode of publication that penalizes scientists from the global South, whose salaries are often much lower than the fee requested to publish even one article (<u>https://tinyurl.com/signapcstatement</u>). For instance, we contributed to organizing one of the sessions of the Triennial Conference of the InterAcademy Partnership (IAP) and the Worldwide Meeting of the Young Academies on how to promote inclusiveness in open access publishing models.
- **6.** We are discussion on new strategies to promote diversity in AJA, including regional representation, gender, and scientific fields (e.g., social sciences).

Administrative support structures/staff: none. So far, members take care of these tasks.



Members: 6358

(% of membership: female 60.3% / male 38.8% / non-binary 0.02% / 0.85% of members did not wish to specify their gender)

Executive Committee: 12 members (female: 7, male: 4, non-binary/trans: 1) **Executive Committee Alumni:** 41

Duration of membership: 11 years

Membership selection criteria: There is no selection process. Members self-identify and join through the website. There is no set duration of membership, members chose to leave when they no longer self-identify as an EMCR.

In principle, an EMCR is someone between 0 and 15 years of graduating from a PhD or equivalent (discounting career interruptions) and includes individuals in industry, government and public sector positions. The Forum aims to be accessible and inclusive, so there are circumstances where self-identification as an EMCR can be accepted as criteria for what defines an EMCR. The Executive also recognises and is inclusive of alternative career pathways, individuals from underrepresented intersectional communities who are considering or embarking on a research career and is open to considering membership of researchers without a higher degree but with equivalent professional experience.

We do not select members; however, we have a diversity policy relating to the selection of Executive members who lead the EMCR Forum. Diversity is specifically considered in this shortlisting process.

Membership selection procedure: We do not select members, see above.

Affiliation to: Australian Academy of Science

The EMCR Forum is directly supported by, and is viewed as part of the Australian Academy of Science. The senior Academy's Executive Committee and Council oversees and approves the work of the EMCR Forum. Two Forum Executive members sit as ex-officio members on the Academy's Council to provide an EMCR perspective to their decision making.

Examples of current activities and projects:

 Science Pathways: A bi-annual national conference that provides professional development opportunities and progresses the EMCR Forum's advocacy agenda by actively engaging the membership in its advocacy work.

- Engagement with national funding bodies and policy makers to improve their practices with regards to opportunities for EMCRs, inclusion and diversity in STEM, and to share the feedback and challenges of the EMCR community with these stakeholders.
- "Reframing success for a more sustainable future" is the main theme for advocacy activities for 2022. There are three working groups focusing on (1) developing guidelines to assist in the creation of formalised EMCR networks within organisations, (2) redefining success by broadening measures of impact and improving visibility and equity for minorities, (3) showcasing the diversity of career paths and empowering EMCRs to raise their profiles.

Administrative support structures: The support for the EMCR Forum is provided by the Diversity and Inclusion division of the Australian Academy of Science's secretariat. Two staff members are involved in supporting activities for EMCRs.



Members:56 (female: 35 / male: 21)Alumni:134Duration of membership: 8 years

Membership selection criteria:

- granting of specific renowned research funding awards and grants (f.e. European Research Council Grants) or proof of equivalent qualification
- biological age, academic age
- connection to an Austrian research institution, centre of life in Austria

Membership selection procedure:

invitation to send an application to recipients of specific funding awards and grants; initial preselection by an election committee; shortlist made available for election to the members of the Young Academy; confirmation of the elected members through senior academy.

Affiliation to:

part of the Learned Society of the Austrian Academy of Sciences; the Young Academy receives a separate budget to fund its activities and offer career-enhancing support to its members; 16 representatives hold voting rights on Academy matters (excluding the election of new full members)

Examples of current activities and projects:

- <u>Science Days</u>
- Roadshow
- Meetings/consulting with representatives from research policy contexts
- Several new projects in progress

Administrative support structures/staff:

• one assistant (50%)

National Young Academy of Bangladesh

Established: 2019

Email: secretary@nyabangladesh.org

https://www.facebook.com/NYABangladesh



Members: 58 (female: 6 / male: 52). The maximum will be 100 members. Alumni: None Duration of membership: 5 years

Membership selection criteria:

The Academy is independent in the selection of its members.

The selection committee looks at excellence and engagement and then, in the final selection round, diversity in discipline, gender, employment, geographical spread is also considered. As the Academy has only recently been established, these criteria and processes are still under review.

Membership selection procedure:

For the selection of the first cohort, the process was run by an ad-hoc committee formed for the formation of NYAB consisting of four GYA members and alumni at a meeting of these members with the Bangladesh Academy of Sciences (BAS). There was an open application process. The applications were scored by the ad-hoc members and after a few rounds of elimination, a smaller list was sent to two eminent scientists of the country who approved the ranking prepared. The concerned BAS fellows also gave their endorsement of the selection. This final step was only for the first selection. The subsequent selections were dealt with by the NYAB with complete independence. In both second and third round of selection a "Member Selection Committee" was formed consisting of the NYAB members assigning one member as the convenor. The committee then prepared the call for membership, timeline duration and the criteria for selection. Selection of the members were then done by the committee members using a rigorous evaluation process and after that the executive committee endorsed the final selections. The Executive committee do not interfere with the activities and selection criteria of the members.

Affiliation to: Bangladesh Academy of Sciences; the senior academy endorsed the formation of the NYAB, but the young academy is fully independent.

Examples of current activities and projects:

- Creating awareness during the Pandemic via posters, blog posts, newspaper articles
- Webinars on contemporary topics
 - In 2020, the following webinars were arranged with panel discussion
 - Publishing in peer reviewed journal: Procedure and ethics Speaker: Prof Mohammed Abdul Basith, Physics, BUET

- Functional foods for immune boosting
 Speaker: Prof Atiar Rahman, Biochemistry and Molecular Biology, CU
- A closer look to SARS-CoV2, the virus behind CoViD-19 Speaker: Professor Khademul Islam and Dr. Mustak Ibn Ayub, Genetic Engineering and Biotechnology, DU
- Statistical analysis: Authentic use of data for scientific research Speaker: Dr. Sabrina M Elias, Life Sciences, IUB
- Pandemic of infectious authorship: To be or not to be treated Speaker: Prof. Mohammad Tariqur Rahman, University of Malaya, KL
- Humanitarian activities for pandemic affected people in 2020 and flood affected people in 2022
- International Poster presentation Competition (IPPC2020) NYAB took the lead role in organizing the IPPC fully online in association with INYAS, SLAYS, TYSA – an example of regional collaboration
- Participation in "International Sci-Art image competition", in 2021 and 2022 arranged by INYAS in asociation with NYAB, SLAYS And NAYAN
- Participation in E-capture photography competition organized by SLAYS and other young academies in 2021 and 2022
- Policy Dialogue on Young Scientists and the Advancement of Bangladesh during the 2nd Annual General meeting
- Outstanding Doctoral research Award 2021 in five disciplines,
 - Applied Sciences and Engineering
 - o Physical Sciences
 - o Life Sciences and Medicine
 - Social Sciences and Humanities
 - Agricultural and Veterinary Sciences
- Working Group formation and group activities
 - Creating awareness against predatory journals and conferences
 - Webina arranged: Where not to publish your research
 - Application for funding from Inter Academy Partnership (IAP) for creating awareness against predatory academic pracices
 - Leadership training for Scientists/researchers/academics.
- Project fund from the InterAcademy Partnership (IAP)
 - National and international workshop involving eminent leaders working against predatory academic practices.
 - Poster presentation competition and ambassador program for students and early career researchers to involve them in the creation of awareness against prdatory academic practices.
 - o International Colloquium on Authentic Scientific Publications
 - o Summer School on Skills Development for Scientific Writing

For a more detailed list of activities, please see here on the <u>NYAB website</u>, or visit the NYAB Facebook page, or watch an activity video on the <u>NYAB YouTube channel</u>.

Administrative support structures: The support structure building process was hampered due to the pandemic and is still in progress.

Young Academy of Belgium (Flanders)	
Established: 2013	
Email: info@jongeacademie.be	Academie
Facebook:	
https://www.facebook.com/JongeAcademie	
YouTube:	
https://www.youtube.com/channel/UCl2m0LEBoOPz8OQK72QoWGw	
Twitter:	
https://twitter.com/JongeAcademie	
Instagram:	
https://www.instagram.com/jonge_academie/	
LinkedIn:	
https://be.linkedin.com/company/jonge-academie	

Members: 59 (female: 32 / male: 27)

Alumni: 70

Duration of membership: 5 years, with the possibility of a one-year extension due to COVID-19.

Membership selection criteria:

Membership of the Young Academy of Belgium (Flanders) (hereafter: Young Academy of Belgium) is open to scientists and artists:

- The scientific members are connected to a Flemish university and/or a Flemish or federal scientific research institute and have obtained their doctorate at least 3 and no more than 10 years ago.
- The artistic members are aged between 25 and 39 and have an apparent affinity with science.

The Young Academy of Belgium aims at a broad representation of the different scientific and artistic disciplines. We aim to maximize diversity and inclusion in our membership base, in particular when it comes to gender and ethnicity.

All members have an excellent academic or scientific track record and we are committed to basing the academic assessment of candidates primarily on qualitative judgment.

Additionally, members need to show a strong motivation to work together on issues of societal relevance that are situated outside their working field in the strict sense of the term.

Membership selection procedure:

Members of the Young Academy of Belgium are elected following an open call. Candidates submit an application with a CV and motivation letter, which is assessed on the basis of scientific or artistic excellence and motivation. The application is peer-reviewed by a selection of three current members and/or alumni. At least one of those reviewers works within the field of the candidate.

Then a selection committee of six current members compiles a shortlist of candidates who are invited for an interview. On the basis of these interviews, about ten new members are elected each year.

Affiliation to:

Legally, the Young Academy of Belgium is an integral part of the Royal Flemish Academy of Belgium for Science and the Arts. The former does not have a legal personality of its own. The established academy accommodates the secretariat of the Young Academy, employs its policy officers, and provides it with technical, administrative, and infrastructural support.

In its workings, however, the Young Academy is fully independent. Its members decide autonomously – as a collective – which topics, initiatives, and actions they wish to pursue. The selection procedure is also run by the Young Academy of Belgium itself. For its yearly working budget, the Young Academy applies for a subsidy from the National Lottery.

There is an Advisory Board for the Young Academy with representatives of the different established sciences academies in Flanders (the Academy of Science and the Arts, of Dutch Language and Literature, and of Medicine) and alumni of the Young Academy. The Advisory Board holds a yearly meeting during which it is updated about the Young Academy's activities. The Young Academy can call on the members of the Advisory Board for advice, e.g., on long-term strategic decisions. Vice versa, the chairs of the Young Academy take part in the Board of the senior academy. The Young Academy also has a representative on the Board of the Academy for Medicine.

Examples of current activities and projects:

Host of the 2022 meeting of European National Young Academies and the Brussels Charter for European Young Academy Member Exchange, <u>https://www.jongeacademie.be/nieuws/enya-brussels-2022</u>

In May 2022, 43 delegates of 23 European Young Academies gathered in Brussels. Brussels 2022 was in many ways a historic meeting: seeing each other again in the flesh after the pandemic, meeting for the first time in history with the senior academies of ALLEA, and, unfortunately, facing a war and a severe crisis in Ukraine. This crisis was discussed at length during the meeting. The Young Academy organised a session on possible joint initiatives, at which not only the winners of the 'Researchers at Risk' competition were present, but also several researchers at risk were able to share their lived experiences.

In Brussels, the Charter for European Young Academy Members Exchange was also signed. It provides a framework for national YA members to participate in the workings of the young academy in the country of their institutionalized or professional stay abroad. This multilateral agreement was signed by 11 European YAs: the Young Academy of Austria, Estonia, Lithuania, the Netherlands, Scotland, Hungary, Sweden, Poland, Romania, Finland, and Belgium (Flanders).

Diversity and Inclusion in Higher Education (since 2021)

More than in other countries, the ethnic-cultural background of students is a strong predictor of their success in higher education in Flanders: this background is still a strong determinant of the future. Since our neighbouring countries are succeeding in achieving more educational equality, the Flemish higher education system can and should be critically assessed and where necessary, changed. The Young Academy aims to contribute to this change in a constructive and scientifically based way. To this end, we set up a joint trajectory with diversity policy officers of the five Flemish universities to

enhance the possibilities for change in and through university policy by discussing scientific literature and best practices.

OVERLAP, The No Man's Land between Art and Science (2020), https://www.overlap.be/

In this project, the Young Academy explored the field between art and science. Assuming that artists and scientists share an unbridled curiosity to understand, explain and even change the world, we went looking for connections, synergies, and conflicts between contemporary artistic and scientific practices. The exploration of this borderland – the overlap – between science and art resulted in a book, a 'paper exhibition' with 52 artistic contributions and 12 essays, matching the rhythm of a calendar year. The paper exhibition eventually led to an actual exhibition that traveled across Flanders and its university cities. In the actual exhibition, scientific and artistic objects were matched to create a dialogue between them.

Gender Campaign and Charter (2019), https://wetenschapismvx.be/

On February 11, 2019 — the day proclaimed by the United Nations (UNESCO) as International Day of Women and Girls in Science — the Young Academy launched a campaign and accompanying website "Science is M+F+X" with the aim of drawing attention to gender issues and giving a new impetus to science-based action to accelerate gender balance at Flemish universities. This highly successful campaign resulted in a university-wide Charter on Gender in Academia, which was signed on 26 June 2019. The charter contains 5 action lines that the Young Academy wants to permanently promote, implement and monitor:

- 1. Training on gender and bias;
- 2. Procedures for selection and promotion;
- 3. Representation on boards and commissions;
- 4. Workable work culture;
- 5. Monitoring.

The campaign stressed that the Young Academy's ultimate goal is to create a work environment in which both M, F, and X are accepted and valued. We acknowledge that gender imbalances and implicit prejudices do not exclusively concern women. In some faculties or programmes, men among students and (junior) researchers are the underrepresented group. They, as well as men who are primary caregivers, may also suffer from (implicit) prejudices. Moreover, we know that a number of people feel more comfortable with non-binary gender identity and that they too have to deal with (implicit) prejudices.

Science meets Parliament (since 2019), http://www.sciencemeetsparliament.be/

Science meets Parliament is a pairing scheme, according to which a number of scientists from different disciplines and different Flemish research institutes are paired with members of the Flemish Parliament from different political parties. With the complex problems that our society is facing, scientific policy input is more indispensable than ever. Yet while the synergy between science and politics has never been more important, the scientific and political worlds increasingly seem to be growing apart. Following numerous international examples, the Young Academy of Belgium aims to bring the two worlds closer together.

In the *Science meets Parliament* pairing scheme, the scientists get the opportunity to be immersed in the political world and the members of Parliament are invited to participate in the scientist's research group or lab. By following one another closely for about two days, a deeper understanding of the respective working environments can be gained.

We assess the applications to the pairing scheme on the basis of motivation. This assessment is done blindly by five members of the Young Academy who do not participate in the pairing scheme. Only the motivation of the applicant is visible to the reviewers, not their name or affiliation. The pairing scheme was launched in 2019 and for the moment, we have 20 pairs that are keen to resume their meetings after some delays due to COVID-19.

Expedition Mundus (since 2015), <u>https://www.moendoes.be/</u>

Expedition Mundus is a game, developed by the Dutch and the Belgian Young Academy, to introduce scientific research in a playful way. During their *Expedition Mundus*, the players carry out research in different areas of knowledge (i.e., human, social, and natural sciences). As such, They experience that science is not only about 'knowing a lot', but also about curiosity, creativity, logical reasoning, and teamwork. *Expedition Mundus* is therefore extremely suitable to be used by teachers to promote scientific literacy among students between 10 and 14 years old.

In 2022, the Young Academy of Belgium launched the game in Flanders, by providing all Flemish primary schools with a game folder with all the necessary materials. Teachers just need two devices with internet access to play the game.

At the moment, the Young Academy of Belgium is working to set up a network to make Expedition Mundus globally available.

Administrative support structures/staff:

For the moment and at least until October 2023, the Young Academy of Belgium has 1.4 FTE policy officers that facilitate and coordinate its operations, as well as some logistic and bookkeeping support by senior academy staff.

Benin Young Academy of Science

Established: 2018

Email: ajsbenin@gmail.com



Members:20(female: 8 / male: 12)Alumni:0Duration of membership:max. 5 years, or until 40 years of age

Membership selection criteria:

- Hold a PhD in any field of study
- Be author of at least five publications in reputable journals
- Show a commitment and leadership in science

Membership selection procedure:

The Academy is independent in the selection of its members. It launches the calls for candidatures and makes the selection of the new members.

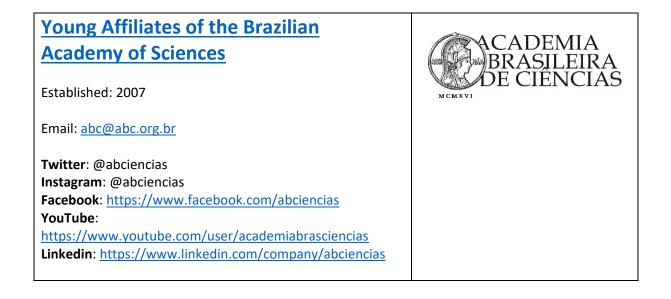
Affiliation to: Benin Academy of Science, Arts and Letters; the Academy enjoys a good relationship and collaborations with the senior academy.

Examples of current activities and projects:

- Organisation of a training on Scientific Writing, with the American Society for Microbiology
- TV Emissions on 'The Impacts of Science on the Development of the Beninese nation', with media partners
- Working groups with the Senior Academy (Agriculture and Food Security, Climate, Environment and Change, Health)
- coaching young science students through motivational, mentoring and career planning sessions
- taking a stand to reveal the impact of science on the development of the nation during a media campaign in April-May 2019
- training of young scientists in the danger represented by predatory journals in science

Administrative support structures:

The Benin Academy of Science, Arts and Letters supports the Young Academy's activities as well as the Ministry of Higher Education and Research.



Members: Total: 954 (female: 175 / male: 799) <u>Affiliated Members</u> (young scientists under 40 years old): Total: 148 (female: 48 / male: 100) **Alumni:** N/A **Duration of membership:** 5 years for Affiliated Members

Membership selection criteria: The category of Affiliated Members of the ABC was created in 2007 to bring into the Academy promising young researchers under 40 from the different regions of Brazil. **Membership selection procedure:** Affiliated Members are nominated and elected by the Full Members of ABC in each of the regions, for a period of 5 years, non-renewable.

Affiliation to: Differently from what happens in some countries, where the young scientists establish an independent organization, the model adopted in Brazil incorporates the Affiliated Members into the structure of the Brazilian Academy of Sciences (ABC), where they participate in activities together with the other members.

Examples of current activities and projects: The Brazilian Academy of Sciences (ABC) provides scientific policy advice to the government, when requested, and develops technical studies on topics of critical importance. The Academy carries out several activities, such as scientific events and thematic programs and projects. ABC is committed to the scientific development and its members actively interact at the national and international levels to promote science and seek evidence-based solutions to the most challenging problems in the world. Among the activities and projects currently developed by the Affiliated Members, it is possible to highlight thematic working groups and mentoring webinars, as well as a large survey that aims to identify the profile of early and mid-career Brazilian researchers.

Administrative support structures/staff:

Marcos Cortesão Barnsley Scheuenstuhl, Executive Director of International Affairs – <u>mcbs@abc.org.br</u> Vitor Vieira de Oliveira Souza, Program Officer – <u>vvieira@abc.org.br</u>

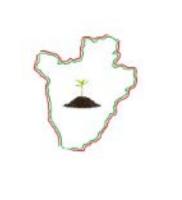
Burundi Council of Young Scientists (BCYS)

Established: November 2016

Email: info@burundiyoungscientists.bi

Burundi Council of Young Scientists | Facebook

https://twitter.com/Burundi



Members:	Female: 1 / Male: 9
Upcoming cohort:	Female : 4 / Male: 16
Alumni:	none
Duration of membersh	i p: 6 years

Membership selection criteria:

- Master and Ph.D. degrees holders in sciences
- Excellence in research

Membership selection procedure: We use an online platform where applicants provide information on their academic and professional track record and express their interest to join BCYS.

Affiliation to:

The Burundi Council of Young Scientists (BCYS) is within the framework of bodies similar to National Young Academy of Sciences. The BCYS is autonomous with regard to the content of its academic and scientific activities and organizes itself. The BCYS is supervised by the Burundi Academy of Science and Technology (BAST). Its members have the status of a Member of the Burundi Council of Young Scientists" and are not members, nor will they later be automatically elected as members, of the Burundi Academy of Science and Technology.

Examples of current activities and projects:

Our last activities were in August 2022, we participate in a joint project with the Burundi Academy of Science and Technology (BAST): *Building an e-Learning platform dedicated to science advise for policymakers and capacity building for academic leaders*. We participated in building the platform, and we also we organized a joint to advise our policymakers on the benefit of integrating science and research in their decision-making.

Our plan for this year:

- Operationalization of research teams on Health and Environment
- Outreach and mentoring activities for Burundi's future young scientists

Administrative support structures/staff:

To receive recognition at the national level was not easy, and since 2016 we applied 3 times; there was also a change in Ministry leadership which complicated matters. In October 2022, we received confirmation from the National Commission of Science, Technology, and Innovation to be under their umbrella.

Cameroon Academy of Young Scientists (CAYS)

Established: 2018

Email: cameroonyoungacademy@gmail.com

Twitter: @CameroonYoung



 Members:
 54
 (female: 13 / male: 41)

 Alumni:
 0

Duration of membership: 3 years, renewable once Duration of Executive Committee mandate: 3 years, renewable once

Membership selection criteria: excellent research impact and demonstrated commitment to the service of science and development

Membership selection procedure: A call is made and potential candidates apply with a motivation letter and a recommendation letter. We proceed with external reviewers from other young academies in Africa or abroad, internal reviewers with CAYS member without any conflict of interest, then final evaluation by the senior academy (Cameroon Academy of Sciences). Procedure is strict, transparent and independent.

Affiliation to: CAYS is an arm of the Cameroon Academy of Sciences. The Senior Academy supports and facilitates all CAYS activities.

Examples of current activities and projects:

CAYS is constituted of three colleges: Social Sciences, Biological Sciences, and Mathematical and Physical Sciences. Each college develops an action plan to implement in the three-year term.

Current activities	Projects
- Webinars series in different domains	- 5 th anniversary of the Cameroon Academy of Young
environment, vaccine hesitancy, covid-	Scientists (CAYS)
19, agriculture, etc.	- Launch CAYS book entitled: "Responding to disease
- Podcasts	outbreak in Cameroon: Lesson from COVID-19". Köln:
- Regional and national reports of the	Rüdiger Köppe
competition "3 minutes to Convince	- Biennial call of new members
CAYS"	- Workshop on science advice with parliamentarians
- Article entitled "Using diverse	- Workshop on STEM education in Cameroon
communication strategies to combat	 Round table/talk during international women day
COVID-19 in Cameroon: methods	- Outreach activities with young girls in secondary
employed by the Cameroon Academy	schools
of Young Scientists (CAYS)", submitted	- Online workshop on Mentorship and career
	development

 to the Journal of the Academy of Sciences (JCAS) Representation of CAYS during national events Participation to the activities organized by the senior academy (capacity building, writing, projects, conferences etc.)

Administrative support structures:

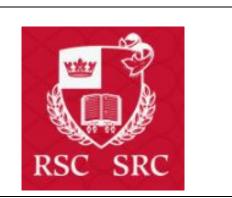
no staff, but Senior Academy provides some support

<u>The Royal Society of Canada –</u> <u>College of New Scholars</u>

Established: 2014

Email: info@rsc-src.ca

https://twitter.com/RSCTheAcademies



Members:399(female: 214 / male: 185)Alumni:79Duration of membership:7 years

Membership selection criteria: The Members of the College are Canadians and Permanent Residents who, at an early stage in their career, have demonstrated a high level of achievement. The criteria for election is excellence, and membership is for seven years.

Membership selection procedure: Nominations are submitted by members of the Royal Society of Canada (RSC) to specially created selection subcommittees arranged according to major disciplines. These subcommittees recommend candidates to the College Council who will make a final selection of inductees based on the recommendations.

Affiliation to: The College of New Scholars is one of 4 branches of the RSC, autonomous in some activities as organized by the College Council, however the College Council answers to the larger RSC Council for funding.

Examples of current activities and projects:

College Annual General Meetings At-Risk and Displaced Academics and Artists (ARDAA)

Administrative support structures/staff:

The College of New Scholars receives support from the regular administrative staff of the RSC for communications and promotion of its activities. Some financial support is also available, pending approval from the RSC Council, for larger-scale projects planned by the College.

Democratic Republic of the Congo Young Academy of Sciences

Established: 2020

Email: asjrdcongo@gmail.com

Twitter: @AsjRdc



Members:21(female: 2 / male: 19)Alumni:not applicableDuration of membership: 4 years

Membership selection criteria: PhD completion before 45 years old; being within 7 years post PhD completion, a proven track record **of** publications, and being willing to provide community service

Membership selection procedure: The academy's executive committee launch and receive nominations and forward to 3 French speaking National Young Academies acting as selection panel.

Affiliation to: Our Seniors' Academy members recognize and involve us in some of their activities, and are always open to collaborate.

Examples of current activities and projects: Outreach awareness program against plagiarism and predatory publishing, lobbying for children's food insecurity, etc.

Administrative support structures/staff:

President: Patrick Bondo Memvanga, PhD Secretary: Jeannot Kavuya Katya, PhD International affairs: Christian Isalomboto Nkanga, PhD Electoral commission: Christian Bingane, PhD

National Young Academy of Côte d'Ivoire (NYA-CI) Jeunes Elites Scientifiques de Côte d'Ivoire (JES-CI)

Established: 2022

Email: kablan.malan@yahoo.fr

Members: 10 members (female: 2 / male: 8)

Alumni:

Duration of membership: non-renewable 4-year term

Membership selection criteria:

0

The applicant who adheres to the fundamental principles of the NYA-CI must:

1. be a natural person (human being),

2. be Ivorian, working in Côte d'Ivoire,

3. hold a PhD degree in natural sciences, exact sciences, engineering sciences, social sciences, arts or humanities or equivalent experience in a research environment,

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4. be employed by a national or international institution or organization,

5. have an excellent scientific record as demonstrated by scientific achievements, quality and number of scientific publications in recognized peer-reviewed journals, projects completed, scientific awards,

scientific prizes, conferences/workshops attended, fellowships, future projects, etc.,

6. demonstrate a willingness to make a difference in the world or in society,

7. not be older than 45 years of age at the time of selection and have less than 7 years of post-

doctoral year from the date of thesis defense.

8. The members of the NYA-CI are nominated for a non-renewable 4-year term.

Membership selection procedure:

1. The number of members to be selected is defined in each call for applications.

2. The NYA-CI must not have more than 200 members.

3. Applications for membership will be made by national youth academies, national academies, international science societies, funding agencies, professional bodies and other institutions of scientific repute as decided by the Selection Committee. The primary objective should be to ensure that all deserving candidates have the opportunity to be nominated. Self-nominations are also considered.

4. A comprehensive list of nominated candidates and the final selection of candidates must be conducted by a committee formed by the Executive Board (Selection Committee) and could include a representative of the inter-academic partnership.

5. The criterion for selection shall be scientific excellence and commitment to service (have an excellent scientific record, demonstrate a willingness to make a difference in the world or in society)6. Within the limitations of criteria "demonstrate a willingness to make a difference in the world or in society", the selection committee should seek to maximize national, disciplinary and gender representation.

Affiliation to: the young academy is independent, but looking forward to establishing collaborations with the country's established science academy.

Examples of current activities and projects:

1. NYA-Mission to Vietnam

The 4th World Youth Academy Meeting (WWMYA) was held from July 31 to August 02, 2019, in Da Nang, Vietnam, hosted by Vietnam Young Academy (VYA) and co-organized by the Global Young Academy (GYA). Dr. Nadege Kouamé, Vice-President of the NYA-CI represented the NYA-CI.

2. NYA-CI mission to Kenya

Under the invitation of the African Academy of Sciences (AAS), Dr. Kablan Malan Ketcha Armand, President of the National Young Academy of Côte d'Ivoire (NYA-CI) took part in the African conference entitled "Connecting Minds Africa 2019 (COMA 2019)" held from 25 to 27 September 2019 in Nairobi (Kenya) at the ICRAF center.

Administrative support structures/staff:

not yet

Danish Young Academy

Established: 2011

Email: mh@videnskaberbesselskab.dk

Twitter: @DetUngeAkademi



Members:female: 21/ male: 20Alumni:57Duration of membership: 5 years

Membership selection criteria: 3-7 years after PhD, Age < 40

Membership selection procedure: Self-nomination

Affiliation to:

The Danish Young Academy was established as a part of the Danish Royal Academy of Science and Letters and is closely affiliated with it.

Examples of current activities and projects:

- In 2022, the Young Academy awarded for the first time a prize to the Research Environment of the Year.
- Academy members participates in dissemination activities such as the annual science festival Bloom in Denmark and Vin & Viden (*Wine and Research*) at the museum of Modern Art in Aalborg.
- Tanker i Lockdown *(Lockdown Thoughts).* Book published in 2020 after the first Covid-19 lockdown with contributions by members of the Danish Young Academy.
- Video baton. Short videos in which one member interviews another member about his or her research and the next time it's the interviewee who's interviewing another member and so forth. Mainly for internal use.
- Active in the Danish science policy debate.
- The Academy meets each month except in July and August. One of the meetings is a two-day seminar.

Administrative support structures/staff:

The Academy gets administrative support from the Royal Danish Society of Letters' secretariate. Approx. 15-20 hours per week.

Egyptian Young Academy of Sciences

Established: 2013

Email: Samar.Awad2@gmail.com

https://www.facebook.com/asrt.eyas/



Members:36(female: 12 / male: 24)Alumni:30(female: 11 / male: 19)Duration of membership:3 years

Membership selection criteria:

1. Holding PhD within the past 3-10 years

2. Working or affiliated to a research institution, university, R&D sectors of private companies in Egypt.

3. Having a track record of societal commitment and/or international collaboration.

4. Demonstrating excellent scientific accomplishments (e.g. publications in relevant International Journal and series, patency and/or scientific prizes)

- 5. Familiar with science and technology policy, global communications and international programs
- 6. Displaying leadership qualities
- 7. Having excellent communications skills and English fluency

Membership selection procedure: call for membership – EYAS membership committee screens applications – interviews with candidates

The Academy is independent in the selection of its members.

Affiliation to: Academy of Scientific Research & Technology, Egypt

EYAS is a project of the senior academy; the senior academy supports the young academy and acts as facilitator for its activities.

Examples of current activities and projects:

- Egyptian Young Academy of Sciences Dialogue
- Improving good mentorship practice among young scholars
- Study on future jobs in Egypt
- Challenges & Opportunities in the implementation of SDGs in academia workshop
- Improving agricultural advising as one of SDGs goals

Administrative support structures: yes, EYAS is supported by an Executive Director and an Office Assistant

Estonian Young Academy of Sciences

Established: 2017

Email: enta@akadeemia.ee

http://www.facebook.com/Eesti-Noorte-Teaduste-Akadeemia-Estonian-Young-Academy-of-Sciences-195091304347648/



Members: 33 executive members (16 female, 17 male) and three supporting members **Alumni:** 14 alumni

Duration of membership: up until the next General Assembly meeting following a member's 42nd birthday, or upon election to the Membership of the Estonian Academy of Sciences

Membership selection criteria: Membership is open to Estonian scientists under 40 with a doctoral degree and outstanding scientific or creative accomplishments who significantly develop science in their field and communicate it to society.

Membership selection procedure: There are up to 33 executive members in the academy. Upon a decrease in membership, the board announces an open competition to fill the vacant positions. To apply, a candidate submits an electronic application supplemented by an academic CV and a letter of motivation where they explain their vision for the academy, the potential contribution they could make to the academy, and plans they would like to implement during their membership. The new members are elected by current executive members, keeping in mind the objective of achieving equal representation of researchers across scientific disciplines, gender, and types of institutional affiliation in the membership as a result of the elections.

Affiliation to: The Estonian Young Academy of Sciences is an independent non-profit organisation focused on topics related to young researchers. It has offices on the premises of the Estonian Academy of Sciences (the only established science academy in the country) and is affiliated with it through an association agreement.

Examples of current activities and projects:

- **Short videos** series addressing the Estonian Parliament at the annual Science Policy Conferences (2020-22)

- **Short videos** providing scientific advice in the context of the Covid-19 pandemic (2021), the green transition (2022), and inclusion in academia (2022)
- Joint publication: Tedersoo, L., Küngas, R., Oras, E. *et al.* Data sharing practices and data availability upon request differ across scientific disciplines. *Sci Data* 8, 192 (2021). https://doi.org/10.1038/s41597-021-00981-0
- **The global session**, "Winning from Greater Inclusion: Relation between diversity and academic culture", at the Triennial Conference of the InterAcademy Partnership and the Worldwide Meeting of the Young Academies (2022)
- Joint meeting of Finnish and Estonian Academies of Sciences and Young Academies of Sciences (2022)
- **Annual article series** in Estonian newspapers and online journals for the popularisation of science (2017-2022)
- Student awards at Estonian National Research Competitions (2021-2022)
- **Strategic partnership** with the Estonian Ministry of Education and Research and the Estonian Academy of Sciences
- **A mentorship programme** for young researchers in support of ERC grant proposal development (2020)
- Survey of young Estonian researchers' profiles (starting in 2023)

Administrative support structures/staff: no administrative staff

Funding: Regular funding from the Estonian Academy of Sciences, project-based funding from the Estonian Research Council and the Ministry of Education and Science

Ethiopian Young Academy of Sciences (EtYAS)

Established: 2015

Email: etyas.eas@gmail.com

Twitter: https://twitter.com/EtYASciences

Members: 43 (female: 6 / male: 37) Alumni: None Duration of membership: 10 years

Membership selection criteria: According to EtYAS's Constitution Article 7.2 the criteria for application include all of the following:

- i. Possession of a Doctoral degree in any field of scientific enquiry, where science is defined broadly as encompassing natural sciences, social sciences and humanities, medical sciences, agricultural sciences, engineering and arts;
- *ii.* Evidence of scientific excellence through an established publications record, and/or receipt of honours and awards;
- *iii.* Evidence of activities demonstrating service to society;
- iv. Willingness to volunteer their time and effort to EtYAS activities;
- v. Typically under the age of 42 years

Membership selection procedure: According to EtYAS's Constribution Article 7.3 membership selection procedure are:

- i. Short-listing and selection of nominated candidates for final approval by the General Assembly shall be conducted by members of the working groups in close collaboration with the Executive Committee.
- ii. The over-riding criteria for selection shall be scientific excellence and commitment to service according to points under 7.2 above.
- iii. The selection process shall seek to maximize breadth, discipline and, gender representativeness.

Affiliation to: The young academy was initiated by the Ethiopian Academy of Sciences. The relationship between EtYAS and the EAS will be governed by a Memorandum of Understanding.

Examples of current activities and projects: The strategic objectives of EtYAS are:

- 1. Identifying and honoring young scientists who demonstrated excellence in science
- 2. Promoting continuous capacity development of young scholars

3. Improving science communication to increase appreciation and application of science by the society and

4. Ensuring institutional vitality and sustainability

Administrative support structures/staff: EtYAS receives administrative assistance from the Ethiopian Academy of Sciences (EAS).

Young Academy Finland

Established: 2017

Email: riikka.hiltunen@yaf.fi

Twitter: @yaf_fi

Members:female: 39 / male: 45Alumni:female: 29 / male: 24Duration of membership: 4 years

Membership selection criteria:

<5 years from the doctoral degree and <40 years old at the time of the selection

Membership selection procedure:

nominations from the senior academy (75 % of the new members in 2022) + open application procedure (25 % of the new members in 2022)

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Affiliation to:

The Young Academy Finland (YAF) is not an independent legal entity, but it technically operates underneath the Finnish Academy of Science and Letters. However, YAF has its own agenda and is independent in its decision-making.

Examples of current activities and projects:

Meet a Researcher -service: <u>https://nuortentiedeakatemia.fi/en/meet-a-researcher/;</u> <u>https://nuortentiedeakatemia.fi/en/2022/02/07/the-nearly-100-percent-praised-meet-a-researcher-</u> <u>service-will-continue-to-bring-science-education-to-schools/</u> Science videos: <u>https://www.youtube.com/channel/UC_2-wX8I71LUrLuh98eRzig/videos</u> Statement on climate change that was received by the Minister of the Environment and Climate Change (in Finnish): <u>https://nuortentiedeakatemia.fi/2022/06/14/nuoret-tutkijat-vaativat-</u> <u>voimakkaampia-ilmastotoimia/; https://nuortentiedeakatemia.fi/2022/06/14/ymparisto-ja-</u> <u>ilmastoministeri-maria-ohisalo-pitaa-nuorten-tiedeakatemian-kannanottoa-tarkeanakeskustelunavauksena/</u>

Administrative support structures/staff:

Science coordinator (50 % worktime) + coordinator for the 'Meet a Researcher' service (50 % worktime)



Members:female: 27 / male: 23Alumni:190Duration of membership: 5 years

Membership selection criteria: Membership of *Die Junge Akademie* is intended for outstanding scientists and artists that can show evidence of a completed doctorate or an artistic work. This work must have been completed at least three, but no more than seven years before the application deadline.

At least one other outstanding scientific/artistic achievement is expected, or that the applicant achieved visibility with their own scientific or artistic profile. The members should represent their field with innovation, passion and the ability to hold interdisciplinary discussions. They should also have the time for active membership.

Membership selection procedure: *Die Junge Akademie* has 50 members. Every year, ten members leave and ten new members are accepted. The annual selection takes place alternately via the supporting academies of *Die Junge Akademie* (the Berlin-Brandenburg Academy of Sciences and Humanities and the German National Academy of Sciences Leopoldina) and via *Die Junge Akademie* itself. The selection by the supporting academies is based on nominations, whereas the selection by *Die Junge Akademie* place via personal applications.

Affiliation to:

Die Junge Akademie was founded in 2000 on the initiative of the Berlin-Brandenburg Academy of Sciences and Humanities (*BBAW*) and the German National Academy of Sciences Leopoldina and has been institutionalised and permanently incorporated in an administrative sense in the Leopoldina's budget since 2011.

Die Junge Akademie is responsible for its own projects and realises them on its own authority and within the framework of the approved budget. The supporting academies do not influence the conception, preparation or implementation of projects and activities. They strive for joint activities whenever it seems sensible and appropriate in terms of content.

Examples of current activities and projects: *Die Junge Akademie* offers diverse possibilities for interdisciplinary exchange. An important goal for *Die Junge Akademie* is to be involved at the intersection between science and society and to encourage dialogue via various, sometimes unconventional formats.

The core of *Die Junge Akademie* has been, since its founding, the Research Groups (RGs) – over 40 of which are as old as the academy. Topics and goals were and are as diverse as the members themselves. For example, the research group <u>'Engaged Science'</u> is currently producing the podcast series "wissen – handeln?". In the series, members of the RG invite scientists of high visibility to talk about their motivation and successes, but also about the challenges, dangers and limits of "engaged science". Another mentionable RG is <u>'Pro-Motion – Transforming Qualifications'</u>. This research group participates in the current discussion about the changes being made to doctoral training and degrees. Most recently, members of the RG are participating in the discussion event "The myth of the doctorate. But what is the cost-benefit calculation for the doctorate?" which is held in cooperation with the German National Academy of Sciences Leopoldina.

Aside from their participation in the Research Groups, the members of *Die Junge Akademie* also carry out solitary projects with varying formats and subjects. One example is the always creative participation in the annual <u>Salon Sophie Charlotte</u> of the Berlin-Brandenburg Academy of Sciences and Humanities. In 2022, ten members of *Die Junge Akademie* organized the special dinner party 'Saufen, Schlemmen, Sündigen' in which they illuminated the field of tension between food as a basis of life and a means of enjoyment, as well as ist social and political interconnections from their diverse scientific and artistic perspectives. Another current project is <u>'The 7 Greatest Adventures in</u> <u>Mathematics'</u>, a nationwide event series on the millenium prize problems.

Administrative support structures/staff: The office of *Die Junge Akademie* is located at the headquarters of the Berlin-Brandenburg Academy of Sciences and Humanities (*BBAW*) in the centre of Berlin. Its full-time staff provide practical support regarding the content of the members' work and carry out administrative and organisational tasks in the background. This means that they are usually the first point of contact both for the members of *Die Junge Akademie* as well as the general public. Dr Alexandra Heidle-Chhatwani is the managing director. There are ten staff members in total.

Ghana Young Academy (GhYA)

Established: 2014

Email: info@ghanayoungacademy.org

Twitter: @GHyoungacademy



Members:26(female: 9 / male: 17)Alumni:6Duration of membership: 5 years

Membership selection criteria:

Members are selected based on their academic contributions and public engagement activities.

Membership selection procedure:

An annual call for new members is publicly advertised for six weeks. Applications are received via online forms. Applications are evaluated by selected reviewers and the top candidates chosen. The Academy is independent in the selection of its members.

Affiliation to: Ghana Academy of Arts and Sciences; the young academy is independent, and recognized as a Non-Governmental Organization. They are currently working on establishing a formal relationship with the Senior Academy. Currently, the Senior Academy assists with in-kind donations like venues for our meetings.

Examples of current activities and projects:

- Academic and Grant Workshop Providing hands-on academic writing workshop for young researchers to enhance their manuscripts and improve chances of publication. Researchers are also taught to put together winning grants. This is done in collaboration with KNUST and the Pharmaceutical Society of Ghana.
- 2-Minute Thesis Competition: Young researchers translate their research into short videos for a non-specialist audience. Winners are chosen based on how efficiently they can communicate their research.
- Webinars on researcher wellness: Webinar series on stress management, work-life balance, etc to help our researchers mange their mental wellbeing.

Administrative support structures: The Academy has a dedicated Office Assistant who manages administrative affairs. The Academy is yet to have an office.

Hungarian Young Academy Established: 2019 Email: fka@titkarsag.mta.hu Twitter: @HungarianYA LinkedIn: https://www.linkedin.com/company/hungarian-young-academy/mycompany/ https://www.facebook.com/fiatalkutatok/

Members:60 members(female: 29 / male: 31)Alumni:after 2023 (the first members will become alumni in 2023)

Duration of membership: 5 years

Membership selection criteria:

- member of the public body of the Hungarian Academy of Sciences (requirement: PhD)
- upper age limit at the time of application: 40 years (with credit provided for parental leave, it may be extended up to 45 years)
- scientific excellence, motivation and dedication to the community of young researchers

Membership selection procedure:

The Hungarian Young Academy (HYA) comprises 60 members. Each year, 12 new members are elected, representing the disciplines of Life Sciences (LS), Social Sciences and Humanities (SSH) and Natural Sciences (NS). New members are elected in three stages. The first phase is the self-nomination of eligible members on the basis of a call for applications. In the second phase, eligible (young) members of the public body of the Hungarian Academy of Sciences vote for candidates from their own scientific field. In the third phase, new members are elected by an ad hoc committee (Election Committee), established for this purpose from among the members of the HYA. The Election Committee takes into consideration the online voting results, the scientific excellence of the candidates, as well as their planned activities for the community as indicated in their motivation letters. The Election Committee seeks to achieve a balanced HYA membership also in terms of gender, geographical regions and disciplines. Those elected become members of the HYA by signing the Declaration of Acceptance of the HYA Statutes.

Affiliation to: The Hungarian Young Academy is a partner institution of the Hungarian Academy of Sciences. In legal terms, HYA is a civil law company within the public body of the Hungarian Academy of Sciences (HYA does not have a legal personality). The Hungarian Academy of Sciences supports the HYA with a budget for operational costs, it allows the HYA to use its premises free of charge up to 8 times a year, and it also ensures administrative staff for the HYA (see below).

Examples of current activities and projects:

- Comprehensive reports on the general situation of young researchers in Hungary
- Dissemination of scientific knowledge, organisation of conferences and workshops, webinars

• Representation of the specific generational interests of young researchers at the national and international level

- Helping early career researchers in maintaining motivation for scientific careers
- Talent management, mentoring
- Addressing perceived inequalities in scientific careers
- Drawing young people closer to the Hungarian Academy of Sciences (both researchers and society in general)
- Promoting interdisciplinary and international cooperation, representing the Hungarian young researcher community worldwide

• Participation in the European Commission's Science Advice for Policy by European Academies (SAPEA) via the Young Academies Science Advice Structure (YASAS)

Administrative support structures/staff:

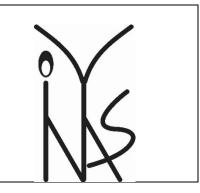
one-member staff (employed by the Hungarian Academy of Sciences, and dedicating approx.
 20 working hours per week to the activities of the Hungarian Young Academy): <u>fka@titkarsag.mta.hu</u>

Indian National Young Academy of Science (INYAS)

Established: 2014

Email: chair-inyas@insa.nic.in; inyasindia@gmail.com

Twitter: @INYAS_INSA



Members:102(female: 27 / male: 75)Alumni:44(female: 14 / male: 30)Duration of membership:5 years

Membership selection criteria: Application review by subject and non-subject committee members

Membership selection procedure:

There is a call for membership sent and criterion are decided, and best candidates are selected. INYAS is independent in the selection of its members.

Affiliation to: Indian National Science Academy

Both academies are working independently, and they hold independent Annual General Meetings. INYAS has signed a Memorandum of Understanding with the senior academy.

Examples of current activities and projects:

- Science camps at school/colleges
- Remote area lectures
- Frontier of Science meetings
- Technical Symposium
- Teachers training program
- Student internship program
- Awareness workshop for school/college students
- Women in Scientific domain
- Awareness workshop for post-Ph.D. opportunities
- Workshop on gender inclusiveness
- Open science
- Science communication/admin/policy

Administrative support structures: yes

Young Academy Ireland

Established: 2022

Email: yai@ria.ie

Twitter: @YoungAcademyIrl



Members: currently in the process of selecting first cohort, will have 40 members in 2023 Alumni: N/A

Duration of membership: 4 years

Membership selection criteria:

To be eligible for YAI membership an applicant must:

- 1. Have been awarded a PhD in any discipline in the previous ten years
- 2. Be normally resident on the island of Ireland at the time of membership

Membership selection procedure:

Applications for the YAI's first 40 members are currently being reviewed by a Selection Committee, which comprises individuals with a diversity of experiences and from a variety of backgrounds including; academia, public and private sector, early-career and professional sector representatives covering different areas of knowledge, expertise and geography, and Members of the Royal Irish Academy. The membership selection committee will consider all aspects of each candidate's qualifications and skills in the context of the mission of the YAI, with a view to creating a membership cohort with a diversity of experiences and perspectives.

Affiliation to: The YAI was established under the auspices of the Royal Irish Academy (RIA). This means that the RIA and the RIA Council will have accountability for the governance and funding of the YAI.

The YAI will be autonomous in developing its work programme and activities. Its outputs and activities may not necessarily be representative of the views of the RIA. The principle of autonomy of the YAI is in accordance with international practice in relation to Young Academies.

Examples of current activities and projects: N/A

Administrative support structures/staff: 1

Israel Young Academy

Established: 2012

Email: IsraelYoungAcademy@academy.ac.il

האקדמיה הצעירה הישראלית الأكاديمية الفتاة الإسرائيلية THE ISRAEL YOUNG ACADEMY



Members:30(female: 12 / male: 18)Alumni:63(female: 25 / male: 38)Duration of membership:4 years

Membership selection criteria: Members of the Israel Young Academy are young researchers (up to age 45 on the first of January in the year of their selection) of the first rank on a global scale who are committed to strengthening Israel's academic world and possess broad multidisciplinary knowledge coupled with a drive for action. They are chosen for a term of four years, based on their excellence in research and their social and academic involvement.

Membership selection procedure:

The Young Academy strives for disciplinary and gender balance, and to reflect a fair representation of Israel's population and academic community, with the principle of excellence being the deciding criterion for membership.

Eligible to nominate candidates are:

- University's Rectors (up to 4 candidates, 2 male and 2 female)
- Members of the Israel Academy of Sciences and Humanities (1 candidate)
- Members of the Israel Young Academy (1 candidate).

Nominators have to submit the candidate's CV, list of publications, letter of motivation and recommendation letter. All the files are transferred to the IYA Selection Committee to prepare a short list, which is limited to up to double the number of open slots. The final election is being done at the general assembly of the IYA.

Affiliation to: The Israel Young Academy, founded by the Israel Academy of Sciences and Humanities, operates independently with the Israel Academy's assistance and support.

Examples of current activities and projects:

- Issuing a nation-wide survey of young scientists in Israel.
- Interdisciplinary weeklong conferences Academix.
- Various workshops aim to empower doctoral students from the Arab community as well as from the Ultra Orthodox community and encourage them to take up academic career.
- Mentoring webinars which aim to give the necessary tools and information for young researchers to succeed in academia.

Administrative support structures: Administrative coordinator who works under the umbrella of the Israel Academy and is being supported by staff members of the Israel Academy on issues related to public relations, administrative matters as well as logistical matters.

Young Academy of Japan

Established: 2011

Email: youngacademyjapan intl@googlegroups.com



Members:50(female: 21 / male: 29)Alumni:80(female: 30 / male: 50)Duration of membership:3 years

Membership selection criteria:

 Being a Senior Academy membership, and it depends on the selection committee of Science Council of Japan (so far YAJ is not invited to the committee)
 YAJ selection committee: Academic excellence, diversity, and social contributions

Membership selection procedure:

Most of the YAJ members are appointed from the senior academy, Science Council of Japan. SCJ members who are under 43 years old are recruited to YAJ if they have interests. As necessary, a few additional members are selected by YAJ as Special Appointment Cooperation Members.

Affiliation to: Science Council of Japan

YAJ is part of the senior academy; the bylaws protect its independence in activities. One of the SCJ Vice Presidents oversees the YAJ, and the YAJ engages with him/her, reporting on its activities. There is collaboration for G7 meetings, Worldwide Meeting of Young Academies, etc.

Examples of current activities and projects:

Citizen Science, globalization of academic institutions, G7/G20 network, Tsukuba conference, GYA AGM 2022 Japan, 21st Science Council of Asia, WSF2022

Administrative support structures:

One secretary in the senior academy provides administrative support to the YAJ.

Kenya National Young Academy of Sciences

Established: 2014

Email: Knyas2014@gmail.com



Members: 30 Alumni: none

Duration of membership: 6 years

Membership selection criteria: Minimum Masters Degree, on application

Membership selection procedure: Interview panel, membership limited to fifty (50)

Affiliation to: affiliated to Kenya National Young Academy of Sciences of Science (KNYAS)

Examples of current activities and projects: mentorship

Administrative support structures/staff: senior Academy of Sciences

Young Korean Academy of Science and Technology (Y-KAST)

Established: 2017

Email: kast@kast.or.kr



Members: 133 (female: 25 / male: 108) Alumni: 79 Duration of membership: 3 years

Membership selection criteria:

Academic achievements such as research record, publications and all members are under 45

Membership selection procedure:

Any candidate can apply to the membership of Y-KAST. In the application form, the candidate should fill his or her impressive research records (academic publications or patents) and select representative publication as a corresponding author. Not only academic achievement, but the candidates also describe why they want to be a member of Y-KAST and what they want to do or plan as a member of Y-KAST. In addition, the form requires a recommendation letter from a president of any academy (or institute) or a KAST/Y-KAST member. Y-KAST is independent in its selection of its members.

KAST has 3 steps to select excellent candidates, 1) application review committee 2) division membership committee and 3) membership selection committee. After rigorous evaluation, a maximum of 26 members may be selected. As a final step to be a member of Y-KAST, those who have been selected are required to be approved by the executive committee of KAST. Their names should be reported to the Board of Directors and General Assembly of KAST as well.

Affiliation to: Korean Academy of Science and Technology

The senior academy provides funding, mentoring, and management support to Y-KAST.

Examples of current activities and projects:

- Research symposium e.g. Frontier Scientists Workshop, International Symposium, etc.
- Communication & collaboration with National Young Academies
- Policy for young scientists in Korea
- Media & content for promoting Science to the public

Administrative support structures:

The Head and a senior programme officer of International Cooperation Division of the senior academy KAST support Y-KAST. With the financial support from KAST, Y-KAST operates its Executive Committee (EC) consisting of a chair (fellow of KAST), five vice chairs (members of Y-KAST) and 10 members who are nominated by EC and members of Y-KAST from different scientific fields. As Y-KAST is in its beginning period, the EC has been at the center of most activities of Y-KAST. However, all members are taking initiatives, organizing and operating Y-KAST activities on their own more and more.

Association of Latvian Young Scientists

Established: 2005

Association Latvian Young Scientists

Email: info@ljza.lv

Twitter: @LV_JZA

Members: 250 Alumni: 50 Duration of membership: 10 years

Membership selection criteria:

Main criteria are personal values and interests that match the goals of the organization as well as willingness to contribute to the development of the science environment in Latvia.

Membership selection procedure:

The potential member fills out an application form and within a month the board votes on it. By Latvian law a young researcher is defined as someone up to 10 years after obtaining their PhD. After 10 years, a member loses their voting rights but can remain in the association under a different status, as a member of the Advisory Board.

Affiliation: Independent organisation without legal ties to the Latvian Academy of Sciences. We cooperate with various institutions, e.g., the Ministry of Education and Science, National Library, the Latvian Academy of Sciences, etc. The senior academy provides a mailbox address, and we regularly publish information on our activities and news in their newsletter.

Examples of current activities and projects:

- A major social partner for the Latvian Ministry of Education and Science, providing feedback to proposed changes for various legal documents and science programs.
- Participation in the Advisory Science Board of the Latvian Science Council (the main science funding body in Latvia).
- Participation in the working group on a new academic career model for Latvia, which is led by the Ministry of Education and Science. Other members include the vice-rectors for science of the larger Latvian universities, members of education unions, and the Latvian Academy of Sciences.
- Organization of an annual summer school focusing on the development of various skills crucial for young researchers. In 2022 the summer school focused on communication skills.
- In 2022 we established an internal working group on Academic Integrity with the goal to examine the system(s) in place in Latvia that deal with issues relating to academic ethics. The main result will be at least one publication with an in-depth analysis of the current system, it's strengths and weaknesses and suggestions for improvement.

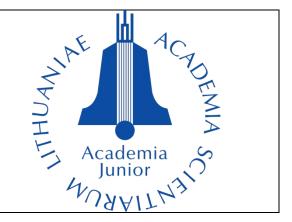
- Organization of various social events to provide networking opportunities for young researchers.
- Active participation in EURODOC, <u>www.eurodoc.net</u>, and Global Young Academy to keep international perspective.

Administrative support structures: None. All our work is 100% voluntary. The organization is funded by member fees (12 EUR a year), and we apply for external funding for specific projects, e.g., for the summer school and recently to a specific NGO fund to increase the capacity of the association.

Young Academy of the Lithuanian Academy of Sciences

Established: 2018

Email: Imaja@Ima.It



Members:12 female / 28 maleAlumni:none (the first member cohort will become Alumni in 2023)Duration of membership: 4 years

Membership selection criteria: The main criterion of selection is scientific excellence. The applicants should be motivated, have significant scientific results, should be active in professional and social activities, have obtained a doctoral degree not earlier than ten years ago, and should be not older than 40 years of age before the final date of the acceptance of documents.

Membership selection procedure: The competition criteria are established by the Presidium of the Lithuanian Academy of Sciences. To the Secretariat of the Lithuanian Academy of Sciences, the candidates submit an application and additional documents. The winners are selected after interviews with candidates by commissions formed of the members of the Lithuanian Academy of Sciences and two members of the Lithuanian Young Academy by fields of research and approved by a resolution of the Presidium of the Lithuanian Academy of Sciences.

Affiliation to: The Lithuanian Young Academy is part of the Lithuanian Academy of Sciences, and its official name is the Young Academy of the Lithuanian Academy of Sciences. The symbols and operation and management regulations of the Young Academy of the Lithuanian Academy of Sciences are coordinated with the Presidium of the Lithuanian Academy of Sciences. Lithuanian Young Academy elects its Chairperson, Vice-Chairperson, and Bureau of 5 Young Academy members representing 5 research areas (Mathematical, Physical, and Chemical Sciences, Humanities and Social Sciences, Biological, Medical, and Geosciences, Technical Sciences, and Agricultural and Forestry Sciences). Lithuanian Young Academy is free to initiate different activities, to have agreements with other Young Academies, and to express an opinion on national and international political or other aspects.

Examples of current activities and projects:

Open lectures about science for school children and society by Lithuanian Young Academy members. **Continuous Discussions/seminars** with representatives of research institutions and universities on different aspects of the Academic career of early career researchers. Topics include the improvement of clarity of academic career, mentorships, academic mobility, international activity, financial security, academic openness, equality, inclusiveness, balanced research, ethics, etc. Sharing experiences of different institutions is inspiring and motivating for changes in other institutions. **Improvement of inclusiveness and diversity.** Members of the Lithuanian Young Academy are included in different commissions of the Lithuanian Academy of Sciences.

Administrative support structures/staff:

Chairperson and vice-chairperson are employed at Lithuanian Science Academy for 0.25 each. Young academy members have free access to the conference and meeting venues, including technical support, at the Lithuanian Academy of Sciences. Also, the editorial service of the Lithuanian Academy of Sciences is available.

Young Scientists Network-Academy of Sciences Malaysia (YSN-ASM)

Established: December 2012

Email: <u>hayatun@akademisains.gov.my;</u> <u>sheril@akademisains.gov.my</u> YOUNGEOLENNISTE NETWORK DELEVISION TEN YEARS OF MAKING AN IMPACT

www.facebook.com/ysnasm/

Members: female: 119 / male: 106 Alumni: 75

Duration of membership: Member: 3 years, Affiliate: 1 year

Membership selection criteria:

- a) YSN-ASM Member:
- 1. A Malaysian citizen
- 2. Below 40 years old and below (at the time of application)
- 3. A PhD or an equivalent degree in natural and physical sciences or equivalent research or industrial experience of at least five years
- 4. Selection based on:
 - a) Scientific merit
 - b) Envisage to make a difference in society

b) YSN-ASM Affiliate:

- 1. Below 40 years old and below (at the time of application)
- 2. Preferably PhD or an equivalent degree in natural and physical sciences
- 3. Open to industry scientist (without PhD but relevant background)
- 4. Selection based on commitment to Service:
- 5. Nominated by YSN-ASM member
- 6. Evidence of Service

Membership selection procedure:

YSN-ASM Member: Selection by YSN-ASM Selection Committee chaired by the Vice President of ASM YSN-ASM Affiliate: Selection by YSN-ASM Executive Committee (EXCO)

Affiliation to: YSN-ASM is part of the Academy of Sciences Malaysia (ASM)

Examples of current activities and projects:

- 1) YSN-ASM Chrysalis Award
- 2) YSN-ASM RCR Programme

- 3) YSN-ASM International Science Virtual Conference
- 4) YSN-ASM IBSE Programme
- 5) YSN-ASM Grand Challenge Symposium
- 6) YSN-ASM Science Cafe
- 7) YSN-ASM Borak Sains
- 8) YSN-ASM Turun Padang
- 9) YSN-ASM Science Communication Programme
- 10) YSN-ASM Science Policy Training Programme

Administrative support structures/staff:

ASM has assigned staff to support all YSN activities. YSN does not have any staff directly reporting to YSN.

All Exco members in the organisation chart are YSN members and affiliate members. Each of the working groups has a portfolio.



National Young Academy of Nepal (NaYAN)

Established: 2020

Email: nationalyoungacademynepal@gmail.com

Twitter: @youngacademynp

https://www.facebook.com/youngacademynp



Members:female: 6 / male: 13Alumni:2Duration of membership: 5 years

Membership selection criteria:

Academic excellence, commitment to serve, diversity, <40 yrs age

Membership selection procedure:

Open call for membership annually > selection/evaluation committee. Target is ~20 new members each year. New members are announced typically in October.

Affiliation to:

- 1) Gandaki Province Academy of Science and Technology
- 2) Pokhara University Research Center

NaYAN is independent organization and does not have senior or supervisor academy.

Examples of current activities and projects:

- 1) Awareness raising events on predatory academic practices supported by IAP
- 2) Webinars on various topics
- 3) Research presentation competition (annual event) among undergraduate and graduate students. This event is named as *Nichod*
- 4) NaYAN in classroom initiative in which NaYAN members go out to classroom in high schools and share their experiences with kids.
- 5) In collaboration with academies in south asia, organize science art and photography competitions.
- 6) Serving as a nodal organization for International Year of Basic Science for Sustainable Development (IYBSSD-2022).
- 7) Founding member of the Asia Water Council Young Professionals network.
- 8) Endorsed a few initiatives and campaigns initiated by other similar organizations such as the "Alternatives to Article Professing Charge", "Appeal to help Afgan Scholars", "Open Science Initiatives of UNESCO"

Administrative support structures/staff: Secretariate of NaYAN is hosted by Kathmandu Institute of Applied Sciences. NaYAN does not have any staffs, and is run by volunteers on need basis.

Young Scientist Forum Nepal

Established: 2020

Email: ysfn.nast@gmail.com



Members: total 58 (Female 14 and Male 44) Alumni: None

Duration of membership: 4 years

Membership selection criteria:

Having PhD degree and under 40 years at the time of application

Membership selection procedure:

Open call with notice publication in national news

Affiliation to:

The YSFN is a part of the country's senior academy and works closely with the senior academy.

Examples of current activities and projects:

- Science with citizen programme
- Research grants for young researchers
- YSFN Talk series

Administrative support structures/staff: YSFN gets administrative and financial support from the senior academy, the Nepal Academy of Science and Technology (NAST).

Dutch Young Academy

Established: 2005

Email: dja@knaw.nl

Twitter: @DeJongeAkademie



Members:50 (female: 29/ male: 21)Alumni:150 (female 68/ male 92)Duration of membership:5 years

Membership selection criteria:

Young researchers who have already made their mark in science and mainly perform their work at a scientific research institute in the Kingdom of the Netherlands. Members have a broad interest in and outspoken views about science and scholarship, in the role that science plays in society, and in science policy. Members must have received their PhD no more than ten years prior to their appointment (extensions possible). The Young Academy considers it very important that nominations should be diverse in terms of discipline, background, career, employing university or institute, etc.

Membership selection procedure:

Upon nomination by: the rectores magnifici of the Dutch universities, directors of Royal Netherlands Academy of Arts and Sciences (KNAW) and the Dutch Research Council (NWO) research institutes, the four KNAW domains, members of The Young Academy all together, the chair of the Dutch Network of Female Professors (LNVH); and directors of institutes covered by the NWO Grant Rules. Selection is done by a selection committee consisting of members of the KNAW and The Young Academy.

Affiliation to:

The Young Academy is facilitated by the KNAW. It operates independently within the Academy. It has its own working plan, organises its own events and is responsible for its own viewpoints. There is close contact when dealing with science policy issues - where possible we try to speak with one voice, but we can differ in opinions and do not have to make joint statements. Members of The Young Academy are generally asked for committees, councils and juries of the KNAW.

Examples of current activities and projects:

- <u>Beginner's Guide to Dutch Academia</u>: an introduction to Dutch research and higher education
- <u>A smarter academic year</u>: following its recommendations the Dutch government
- Antidiscrimination data: practices worldwide and views of students and staff of colour

Administrative support structures:

Senior policy officer (0.5 fte), Policy officer (1.0 fte), Communication advisor (0.5 fte)

Nigerian Young Academy

Established: 2010

Email: support@nigerianyoungacademy.org

Twitter: @contactNYA



Members: 68(Female: 13/ Male: 55)Alumni : 58(Female: 10/ Male: 48)Duration of membership: 5 years

Membership selection criteria:

- 1. Nigerians who are currently employed in Nigeria.
- 2. Persons who are currently involved in research activities and show evidence of scholarly research.
- 3. Holders of at least a Master's Degree or its equivalent from a recognized University; having a PhD is an additional advantage.
- 4. Candidates must not be more than 40 years old (male) or 45 years old (female) as at time of application.
- 5. Must be able to demonstrate a high level of excellence in their discipline.
- 6. Should be able to demonstrate commitment to the Academy through prompt and excellent delivery of given assignments.
- 7. Demonstrate leadership qualities.

Membership selection procedure:

1. There is a call for membership

2. A pre-screening is conducted by the President to remove those who do not meet basic eligibility criteria like being over-age. The President also allocates each application to one of the three working groups in the Academy and forwards all eligible applications to the working group Chairperson.

3. The working group chairperson assigns at least three assessors (members or alumni of the Academy) to each application, who use the Academy guidelines in rating and report back to the Chairperson. Once all the assessment is complete, the chairperson works out the average for each applicant and whole working group is presented with the report for consideration.

4. The report from the working group is presented to the Executive who then pass it on to the General Assembly through the President. The General Assembly considers the report of each working group and approves.

5. The combined annual report is sent to the Senior Academy (Nigerian Academy of Science) for ratification and then candidates are notified.

Affiliation to: Nigerian Academy of Science provides mentorship and some financial support. There are joint activities. They have general oversight functions over the Young Academy.

Examples of current activities and projects:

- Journal Annals of Science and Technology
- National campaign in the form of antiplagiarism workshops
- Media awareness program on the state of the internally displaced persons in Nigeria
- Working groups are coordinating visits of members to schools within their vicinity to help raise science awareness
- Working group on a coordinated IT training to secondary schools on a regional basis
- Talk ToYour Professors a mentorship platform designed to help cascade the research capacity, skills and other wealth of experience of NYA members and fellows to younger and upcoming researchers
- Multifaceted Response Development to Research on COVID-19 in Africa a science advise project involving various programmes, and is sponsored under the COVID-19 Africa Rapid Grant Fund.

Administrative support structures:

A Project Assistant was employed in July 2021 with the responsibility of supporting project/programme delivery/implementation and administration at the NYA Secretariat. Desk space was provided by the Nigerian Academy of Science.

The Young Academy of Norway

Established: 2015

Email: post@yngreforskere.no; bjorn.danbolt@yngreforskere.no

Twitter: @yngreforskere

www.facebook.com/akademietforyngreforskere

Members:44 (from Oct 2022)(female: 23 / male: 21)Alumni:41Duration of membership: 4 years

Membership selection criteria:

In order to be admitted to The Young Academy of Norway / Akademiet for yngre forskere (AYF), prospective members must:

- be able to demonstrate considerable independent scientific or artistic work and have distinguished themselves, both actively and professionally, within their fields.
- be interested in and able to actively participate in the work of AYF.
- be no more than forty (40) years old at the end of the calendar year of admission. Exceptions may be made for prospective members over this age by discounting periods of parental leave, national service or sick leave, in line with the Research Council of Norway's guidelines.

Membership selection procedure:

The Board appoint a membership selection committee in January/February every year. This committee consists of four internal members and two external members. Of the external members one is an alumnus and the second a high-ranking person at a Norwegian university or organization in the Norwegian academic sector. The general secretary of AYF works as the committee secretary. The Committee is responsible for the call for applications. Call for applications is usually open from mid of April to start of June. AYF normally receives the 50 to 60 applications every year. In June the committee selects up to 20 candidates to an interview in end of August/start of September. These are held as group interviews with 4 to 6 persons in each group. Based on performance in the interview, application, and CV the committee nominate 10 to 11 candidates to the Board. The board then based on the nomination offers membership to the candidates.

Its then up to the candidates themselves to accept the offer of membership, which they normally do. New members are formally admitted into AYF at the end of our general assembly in October each year. At the same year the members who have been members for 4 years leave AYF and become a part of our Alumni Association

Read the entire call for applications for 2022 at our webpage

Affiliation to:

YAN has a close relationship to Det Norske Videnskapsakademi (DNVA) – The Norwegian Academy of Science and Letters, which is the largest and one of the oldest science academies in Norway. AYF originally started as an initiative at DNVA in 2013 and was formally established in 2015. From 2015 to 2019, YAN was legally a part of DNVA, but we became an independent legal and economic entity in January 2020. The relationship is regulated by a cooperation agreement.

The secretariat of AYF share head offices with the Academy in Oslo, Norway. Although we have a close relationship with DNVA, AYF is a fully independent organization, both politically, organizationally, and economically.

Examples of current activities and projects:

At our General Assembly in October, the members adopt a work program for the following year. The current work program main goals are "community engagement" and "organisation". Examples of current activities are:

- Put academic freedom of expression in the spotlight. This by attending and responding to national hearings about the subject.
- Arrange at least one event as part of the Arendalsuka forum, which we did in August 2022
- Develop and release a podcast series. You may hear the entire series "Forskerrådet" (in Norwegian) at <u>Spotify</u> and iTunes
- Arrange four gatherings for our members in various locations in Norway. In 2022 we have/will have two gatherings in Oslo (January and June), Bergen (March) and Tromsø (October)
- Develop a dedicated policy on languages and language use in academia. This will be adopted by our members at our general assembly

*Read the entire work program on our webpage*¹

Administrative support structures/staff:

Our staff consists of our general secretary, who works in a full-time position. The elected leader and deputy leader work part-time in 20 and 10 percent positions, respectively.

For selected larger projects, for instance the Letten Prize, we hire more staff to manage these projects.

¹ Full links to links in text above:

Articles of Association: <u>https://akademietforyngreforskere.no/wp-content/uploads/2021/12/2021-Articles-of-association-last-revised-GF-2021.pdf</u>

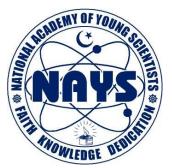
Call for applications: <u>https://akademietforyngreforskere.no/en/apply-for-membership-2022/</u> Work Program 2022: <u>https://akademietforyngreforskere.no/wp-</u>

content/uploads/2022/01/AyfWorkProgramme2022.pdf

Forskerrådet Spotify link: https://open.spotify.com/show/56u5bT5RFEogB6QQ9sorXu?si=8b0560d1add84c95

National Academy of Young Scientists (NAYS) Pakistan

Introduction: The National Academy of Young Scientists (NAYS[®]) Pakistan was established in 2009 to provide a platform to young scientists so they could play their role to promote science and technology in the country. NAYS Pakistan is registered under the registration act of the Government of Pakistan with the main objective being to build coordination among young scientists to promote science and linkage of academia and industry for the welfare of society with the development of research culture in Pakistan.



Members:100Alumni:600Duration of membership: 4 years

Membership selection criteria: The membership selection is based on

- 1. Academic Excellence
- 2. Passion to contribute to the society
- 3. Age less than 40 years

Membership selection procedure:

There is a call for applications, researchers apply for it and are selected by a committee of the Young Academy.

Affiliation to: Good working relationship with the Pakistan Academy of Sciences (PAS) and Pakistan Science Foundation (PSF), many of the senior academy fellows serve on the advisory board of the young academy; yet there is no formal MoU with the senior academy.

Examples of current activities and projects:

Several programs, e.g., Community Education and Awareness, Lecture Series, Research and Innovation Club, Public Health Services, Scholarships and Jobs portal, Science and Society, Survey, e-Newsletter, e-Bulletin, e-Magazine, Science for Youth, My Lab, NAYS Ideas Lab, etc. Several working groups, e.g., the Biosafety Working Group, Cancer Working Group, Environment Working Group, Women in Science Working Group, One Health Working Group, and Science Diplomacy Working Group.

Administrative support structures: none; we have an office but there is just one manager as we are mainly working on a volunteer basis.

Connect to us:

Website: <u>www.nays.com.pk</u> Facebook: <u>https://www.facebook.com/nayspakistan/</u>, LinkedIn: <u>https://www.linkedin.com/groups/4512433</u>

Contact us: president@nays.com.pk nays.ceap@gmail.com

Palestine Young Academy (PYA)

Established: 2019

Email: pya@palast.ps

https://twitter.com/palestineyoung

https://www.facebook.com/Palestineyoungacademy

Members:female: 3 / male: 10Alumni:2Duration of membership: 4 years

Membership selection criteria:

1. The candidate must be of Palestinian nationality or of Palestinian origin.

2. The candidate must have a Ph.D., regardless of specialization.

3. The candidate must have a doctorate from a globally and locally recognized university in scientific research and have publications in international journals within the last two years of the year of nomination.

4. To be active.

5. To commit, through the candidacy letter, to work to bring about change in society, especially the Palestinian scientific community.

In the absence of this condition, the candidate presents with justifications:

6. The candidate member must not be more than forty years old to join.

7. At least three years must have passed since he graduated from his Ph.D.

8. To have a good track record of serving the local or global community.

Membership selection procedure:

1. The selection process for the short list is carried out through the selection committee, which is formed by the General Assembly.

2. The final list of new members is selected through an evaluation committee composed of deans of scientific research in universities and experts from similar young academies.

3. The two most important criteria for selection are academic and research excellence, as well as activity and commitment to serving the Palestinian community.

4. The selection process takes into account the geographical distribution and attempts to include scholars from the West Bank, Gaza Strip, Jerusalem and the lands of historical Palestine, as well as scholars in the Diaspora.

5. A member can apply to freeze membership for a period of one year if he cannot actively participate in the Academy's activities.

6. It is possible to resign from the Academy by directing a letter of resignation signed and addressed to the President of the Academy.

7. The letter of resignation must be discussed and then accepted or rejected within the Executive Council according to the Basic Law.

8. The Executive Council can suspend membership if it is proven that the member has incited violence, embezzlement, forged or been accused of a misdemeanor related to national, public or scientific ethics, and the member is terminated by voting through the General Assembly (3.6.4).

Affiliation to:

Location and relationship with the Palestine Academy of Science and Technology:

1. The permanent place of the initiative shall be Jerusalem as the capital of Palestine.

2. The administrative headquarters shall be the headquarters of the Palestine Academy of Science and Technology.

3. The Palestine Academy of Science and Technology serves as the headquarters and administrative and logistical support.

4. The President of the Palestine Academy of Science and Technology serves as a permanent member of the advisory board for the Palestinian Youth Academy Initiative.

5. The Palestinian Youth Academy cooperates in financial management with the Palestine Academy for Science and Technology in agreement with the Executive Council.

6. The Palestine Academy of Science and Technology does not acquire more than 15% of the funds of the Palestinian Youth Academy projects.

7. Funds for projects received from donors are subject to the terms of the agreement between the donors and the Academy.

Examples of current activities and projects:

- PYA's participation in the opening session of the Training Course in Writing Grant Proposals for Young Palestinian Researchers (GRYPS).
- PYA participates in the National Academies Online Meeting of GYA.
- PYA's participation in the signing ceremony of the Memorandum of Understanding between PALAST and the Academy of Sciences Malaysia (ASM).
- PYA's participation in a workshop to introduce the skills of publishing scientific research in international journals of high quality.
- PYA opens the second call for applications for membership for the coming years.

Administrative support structures/staff:

First: the general assembly:

1. The General Assembly is the highest legislative decision-making body in the Academy and is made up of all members of the Academy.

2. The General Assembly is bound by the Academy's Basic Law.

3. Resolutions of the General Assembly are binding on the Chairman and members of the Executive Council.

4. The general assembly shall be held at least once a year after appointing and welcoming new members, or when necessary for an emergency meeting.

5. Only members who attend meetings in person are entitled to vote.

Second: President

1. The General Assembly elects the President of the Academy.

2. The President presides over all meetings of the General Assembly and the Executive Council.

3. The President represents the Academy on a daily basis in all local, Arab and international forums and institutions.

4. The president can delegate a member of the academy to represent the academy on his behalf if he is unable to participate in an activity.

5. The president follows up on a daily basis the activities of the academy and its administration.

6. If the Chairman resigns, a replacement from the Executive Council shall be elected within fifteen days from among the members of the Executive Council, regardless of whether the Executive Council member is new or not.

7. The president (being a representative and front of the academy) must comply with what is explained on the subject of normalization and not have a history of cooperation or interaction previously in any of the matters raised in the rules of the academic boycott as shown in the following link:

https://bdsmovement.net/pacbi/academic-boycott-guideline

Third: executive board

1. The Executive Council shall work to achieve the objectives of the Academy, taking into account the provisions of the Basic Law.

2. The Executive Council shall consist of the President of the Academy and five members, taking into account the geographical distribution and inclusion of scholars from the West Bank, Gaza Strip, Jerusalem and the lands of historic Palestine, as well as scholars in the Diaspora.

3. The Executive Board is responsible for developing the Academy's strategy.

4. The Executive Council has the right to exercise all powers except those that require decisions of the General Assembly.

5. Laying down the regulations and laws for the academic bodies.

Fourth: Managing Director and Administrators

1. The Executive Council may appoint administrators headed by the Administrative Director of the Palestinian Youth Academy.

2. The Managing Director supports the activities of the Academy and reports to the President and members of the Executive Committee.

3. The president of the academy and the executive committee may delegate the director to represent the academy and take decisions on their behalf after informing the academy president of that.

Outstanding Young Scientists, Inc. (OYSI) - Philippine Academy of Young Scientists

Established: 1997/2011

Email: oysi.nast@gmail.com

https://www.facebook.com/oysi1997/



 Members:
 389

 Alumni:
 0

Duration of membership: Lifetime, all those recognized as Outstanding Young Scientists (OYS) at one point become members of the organization for life

Membership selection criteria: Recipient of the OYS award

Membership selection procedure: All members are in essence selected by the senior academy, the National Academy of Science and Technology, Philippines (NAST PHL), since they are all recipients of the OYS award selected by NAST PHL.

Affiliation to: Strategic alliance with the NAST PHL, they provide secretarial, logistical and financial support to our activities.

Examples of current activities and projects:

The following projects are being done in collaboration with NAST PHL and the Philippines' Department of Science and Technology:

- Training Workshops on Writing and Presenting Research Proposals Towards Building Science Culture in the Various Regions in the Philippines
- Seminar Workshops on Enhancing the Research/Thesis Writing Teaching Capabilities of Special Science High School Teachers in Various Regions in the Philippines

Administrative support structures:

The NAST PHL Secretariat headed by the Executive Director provides secretarial support/assistance through one of their staff.

Polish Young Academy

Established: 2011

Email: amu@pan.pl



 Members: 35
 (female: 14/ male: 21)

 Alumni: 50
 (female: 16 / male: 34)

Duration of membership: 5 years

Membership selection criteria:

The Candidates must have at least Ph.D. degree, cannot be older than 38 years and must present excellence in scientific research. The Candidates are nominated by the university faculties, research institutes (e.g. Polish Academy of Sciences (PAS) institutes), or at least 3 PAS (senior academy) members, and selected by members of the PAS. The main selection criteria for AMU are based on the on candidates scientific excellence including area of scientific research, national and international projects funding, publications, memberships of scientific committees, prizes, awards and organizational activities.

Membership selection procedure:

The selection of Candidates for AMU consists of two phases:

In the first phase, the Deans with senior members of 5 Divisions of PAS nominate certain number of promising Candidates. Each Division (**Division I:** Humanities and Social Sciences, **Division II**: Biological and Agricultural Sciences, **Division III:** Mathematics, Physics, Chemistry and Earth Sciences, **Division IV:** Engineering Sciences, **Division V:** Medical Sciences) may have separate rules for selection and has an assigned number of young Members to select.

In the second phase each Dean presents Candidates nominated by the Division Senior Members to the whole Academy and then the all Senior Academy Members during the General Assembly of the Polish Academy of Sciences are choosing members. The number cannot exceed 35.

Affiliation to: The young academy is part of the Polish Academy of Sciences, with limited independence.

Examples of current activities and projects:

- Polish Scientific Networks Science & Technology, international conferences which aim to force a discussion between people working on the same topic, but from different perspectives, <u>http://psn.pan.pl/</u>
- Forge of Young Talents mentoring program for young scientists participants in doctoral studies, which aims to develop the skills necessary for scientific work, <u>https://amu.pan.pl/kmtamu/</u>
- Become a (female) scientist workshop aimed to convince young females to become scientists, <u>http://amu.pan.pl/kobietywnauce/</u>

- Young Science Beyond Borders The event aims to create a space for researchers from Poland (up to 12 years post-doctoral) and students and young scientists from Eastern European and Central Asian countries to network and exchange experiences, https://amu.pan.pl/young-science-beyond-borders-2021/,
- Scientific Excellence has no Gender a long-term initiative aimed at eliminating gender discrimination in science,
- Debates on the state and future of research institutes of Polish Academy of Sciences,
- popular science webinars and conservatories.
- Outreach activities via science festivals.

Administrative support structures: yes, one full time executive manager

Romanian Young Academy

Established: 2020

Email: diana.stanciu@rya.unibuc.ro

Twitter: @rya_org

https://www.facebook.com/people/Romanian-Young-Academy/100063951885383/



Members:33 (female: 16 / male: 17)Alumni:NADuration of membership: 3 years

Membership selection criteria: academic excellence and relevance for science policy and public policy as well as social engagement

Membership selection procedure: international double peer review

Affiliation to: we are hosted by the University of Bucharest, but we are fully independent.

Examples of current activities and projects:

Projects and conferences on:

- Science/ technology development and health/ quality of life
- Climate change and environmental sustainability
- Democracy and social cohesion

Administrative support structures/staff:

- Dr Diana Stanciu director
- Ms Adriana Ion administrative coordinator
- Ms Georgeta Urecheatu accountant

Rwanda Young Academy of Science

Established: 2022

Email: rwanda.young.academy@gmail.com

LinkedIn: @ryascience Twitter: @RYAScience



Members: 50 (female: 20 / male: 30) Alumni: none

Duration of membership: 5 years, non-renewable

Membership selection criteria:

Excellent Early Career Researchers, Demonstrated Significant contribution to society, PhD (or in the final stages of obtaining a PhD).

Membership selection procedure:

Potential candidates will be nominated by members of RYAS, National Academies, International Science Societies, Funding Agencies, Professional Bodies and other institutions of scientific repute. A selection committee will decide on those who are suited for being members.

Affiliation to: the Young Academy is fully independent but well connected with the Senior Academy (Rwanda Academy of Science)

Examples of current activities and projects: Virtual meeting and Workshop

Administrative support structures/staff: None

Young Academy of Scotland (YAS)

Established: 2011

Email: info@youngacademyofscotland.org.uk

Twitter: @YoungAcademySco

https://www.facebook.com/YoungAcademySco

https://www.linkedin.com/company/rse-youngacademy-of-scotland



Members: 161 (female: 87 / 74 male:) Alumni: 171 Duration of membership: 5 years

Membership selection criteria:

- Evidence of outstanding professional achievement;
- Innovative and entrepreneurial activity;
- Interdisciplinary working, leadership and responsibility;
- A strong interest in both professional and societal policy issues;
- Connections and / or interests outside Scotland are also desirable.

Membership selection procedure:

1. Application

Candidates for Young Academy membership will self-nominate via a competitive application. Each application will be supported by two references.

2. <u>Reviewing /Scoring:</u>

Each application is assessed by a scoring panel of five to nine YAS members from the applicant's general work area. Each panellist will give the applicant two scores, one for professional acumen, and one for demonstrated potential to proactively engage with the work of YAS. In addition to providing a numerical score, reviewers will be urged to provide some brief comments on each candidate. The comments are crucial in differentiating candidate applications and provide valuable guidance to the selection committees.

3. <u>Selection Committees:</u>

When all applications have been reviewed and scored by a panel of YAS members, the YAS office will prepare ranked lists of the scores and comments provided by reviewers. The office will also provide a document which indicates the applicant pool's balance of academics and practitioners, discipline balance, gender balance, as well as geographic and workplace distribution.

The scores and comments of each application will be discussed in one of four sector-based selection committees comprised of four to five YAS members (who have participated in scoring panels) and a RSE Fellow from within that sector. Each of these selection committees must be comprised of individuals from different work areas within this discipline, different geographic locations in Scotland, and must be gender balanced.

The selection committees will prepare recommended lists of successful candidates to be considered by the YAS Advisory Group. It is expected that each selection committee will recommend no more than ten

applicants for membership, but this number may be adjusted to ensure no high-scoring applicant is disadvantaged due to high numbers of high-quality applications within one sector. The selection committee may also request that the YAS Advisory Group and Facilitating Group make final decisions on certain cases, for instance, when the selection committee cannot come to consensus.

4. Membership list confirmation:

The YAS Advisory group and Facilitating Group will review the lists of recommended members and confirm the final list of successful applicants. Occasionally, the group may be asked to decide on certain candidates about whom the selection committee cannot come to consensus. The Advisory Group will be responsible for reviewing the selection committee's proposed list of new members for gender, discipline, academic-practitioner, and geographic balance.

Affiliation to:

The Young Academy of Scotland was established by the Royal Society of Edinburgh in 2011 to provide a platform for innovative young professionals from all areas of academia, business, third sector organisations and public life, to work together to address the most challenging issues facing society in Scotland and beyond.

The Young Academy of Scotland exists within the legal structure of the Royal Society of Edinburgh (Scottish Charity No. SC000470), and therefore is governed by the Council of the Royal Society of Edinburgh. However, the Young Academy is given a high degree of independence to set its own strategy and deliver its own work programme, and its operations are overseen by a Facilitating Group of five co-chairs elected from the Young Academy's membership.

A YAS Advisory Group of three YAS members and three Fellows of the Royal Society of Edinburgh meet regularly to provide advice and guidance to YAS. This group also has some delegated governance roles from RSE Council (risk management, budget oversight and approving the membership list following membership selection).

YAS members are frequently invited to contribute to the work programme of the Royal Society of Edinburgh, both as individual experts in their fields, and as representatives of the wider YAS membership.

Examples of current activities and projects:

<u>Coastal Knowledge</u>: A multimedia, interactive public engagement project to increase the visibility of Scotland's Coastal Communities, and highlight the impact that climate change is having on those communities.

<u>Charter for Responsible Debate</u>: An ambitious project exploring how individuals and organisations can discuss contentious issues in an informed, respectful, and inclusive manner.

<u>Tertiary Education Futures</u>: A joint project with the Royal Society of Edinburgh to open new conversations about the future of Tertiary Education in Scotland.

<u>Ways of Seeing Invisible Illness</u>: A collaboration with The Glasgow School of Art (GSA) to hold a series of workshops to bring together an interdisciplinary group of scientists and artists to address challenges around invisible illness.

Administrative support structures/staff:

1.2 FTE Staff members, employed by the Royal Society of Edinburgh: one full time Senior Young Academy Officer, and a YAS Manager ~1 day per week (The YAS Manager is also the Royal Society of Edinburgh Fellowship Manager). From time to time, additional staffing support is also provided to YAS from the wider Royal Society of Edinburgh Staff, which comprises about 45 individuals.

Senegalese National Young Academy of Sciences & Technics

Established: 2016

Email: <u>magou22000@yahoo.fr;</u> magatte1.ndiaye@ucad.edu.sn



Members:female: 6 / male: 16Alumni:3Duration of membership: 5 years

Membership selection criteria: age limit 45years, 5 publications (with 3 first authors) in per review journal

Membership selection procedure: call for membership open duration one month before closing the call; the call will be send in all research institute and universities and high education school website; network and mailing list; After closing date we have a selection committee compose by the chair, the General secretariat and each member of the different sections of the Academy. The committee shortlisted candidates depending of the criteria; the successful candidate will go for interview; after the interview we select the best and motivated candidate; in any case female candidate have same score with male; we select female candidate.

Affiliation to: The Young Academy has a good relationship with the National Academy of Science in Senegal and stakeholders. The Senegalese National Academy invites us during all their scientific activities. During our scientific activity we receive stakeholders and share our reports with them.

Examples of current activities and projects:

We have conduction workshop on community engagement, Personal Plan Development (PDP). We have a project on promoting Science, Technology, Engineering, and Mathematics (STEM) education to drive development in Africa; however we are looking for funding.

Administrative support structures/staff:

No formal administrative support, however we receive limited support from our National Academy depending on activities.

South African Young Academy of Science (SAYAS)

Established: 2011

Email: kholani@assaf.org.za

Twitter: @SAYAS_SA



Members:50(female: 21 / male: 29)Alumni:78(female: 43 / male: 35)Duration of membership:5 years

Membership selection criteria: https://www.sayas.org.za/about-us/#au-nomination

Membership selection procedure:

A call is made on an annual basis. The ExCo appoint a Selection Committee, which helps with the selection process.

Affiliation to: SAYAS is partly funded by the senior academy, Academy of Science of South Africa (ASSAf).

There is an MoU which provides for the parameters of our independence whilst setting out joint activities, e.g. the Annual Young Scientist Conference. Partnered with and supported by ASSAf to execute several activities targeted to emerging researchers: BRICS Young Scientists' Conclaves, Lindau Nobel Laureates Meetings in Germany, and SAYAS published a ToolKit for postgraduate students: Aimed at assisting postgraduate students with Funding Application tips.

Examples of current activities and projects:

- Promoting science and society, e.g. partner with ASSAf to host the Annual Young Scientists' Conference, Provincial Meetings to promote its activities, Support ASSAf in its activities relating to the celebration of the International Year of Basic Sciences for Sustainable Development, and SAYAS is part of the organising committee for the World Science Forum
- Feeding the pipeline, e.g. through the Science Spaza project, conducting outreaches targeting young learners and STEM uptake as well carrying out roadshows at various universities
- Policy influence, e.g. working through ASSAf's Steering Committees to provide evidencebased scientific advice on issues of public interest to government and other stakeholders. Host engagements on Bridging the gap between Science and Policy
- Improving scholarly environment -Partnering with various like-minded organisations for example with OWSD-SANC, TWAS-SAREP etc. to address various issues of joint concern through holding roundtable discussions or producing reports and Science Dialogues

Administrative support structures: one person in the Secretariat

Young Academy of Spain

Established: 2019

Email: <a>secretaria.tecnica@academiajoven.es

https://twitter.com/academia_joven

https://www.youtube.com/c/AcademiaJoven

www.linkedin.com/in/academiajoven



Members: 40 (female: 17 / male: 23) Alumni: Duration of membership: 5 years

Membership selection criteria:

The main selection criterion is academic excellence. Diversity is also considered in the final decision.

Membership selection procedure:

1.- The nomination of candidates is done by international scientific societies, foundations, research centers, Royal Academies of the Institute of Spain and other institutions of recognized scientific prestige, as well as from the Young Academy of Spain itself and other Young Academies of similar countries. Self-nominations are also permitted.

2.- The pre-selection of the proposed candidates is carried out by a Selection Committee appointed by the General Assembly, including representation from the Global Young Academy. The pre-selection criteria are the merits and capacity of the candidates based on their trajectory and leadership potential, as well as the candidate's commitment to the purposes of the Academy. The Selection Committee will strive for multidisciplinary and gender and disability representation.
3.- The Selection Committee submits the list of pre-selected candidates to the General Assembly for approval, if appropriate.

4.- The Extraordinary General Assembly, in which the corresponding secret ballot is held to elect the Full Academician, will be validly constituted when half plus one of the Full Academicians are present. The elected candidate must obtain, in the first ballot, two thirds of the votes of the Academicians present plus of the absent ones issued by an identified letter; in the second ballot, two thirds of the votes of the Academicians present; in the third and last ballot, half plus one of the votes of the Academicians present.

Affiliation to:

The Young Academy of Spain was created by the Spanish Government (Cabinet meeting 22/02/2019) by royal decree as a public law corporation. This gives the Young Academy of Spain the same status, independence, rights, and duties as the rest of the Academies of Spain, including annual funding from the State Budget. There is no affiliation to any "senior" Academy.

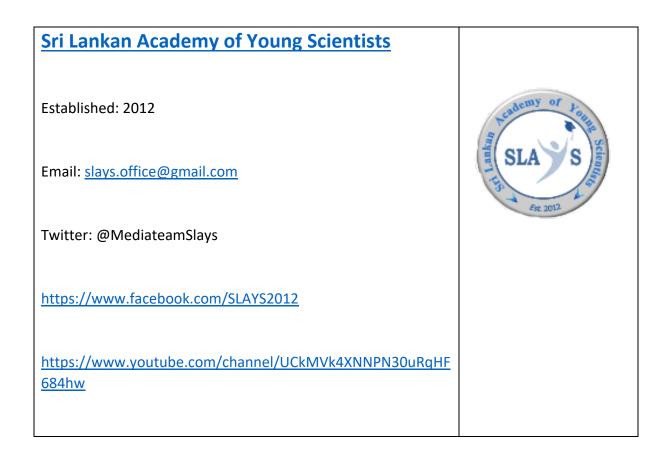
https://academiajoven.es/wp-content/uploads/2021/11/statutes_young_academy_spain_def.pdf

Examples of current activities and projects:

- 1. Webinar: Crafting an ERC StG proposal
- 2. Webinar: Intellectual Property
- 3. Specialization course: The research career: from beginnings to consolidation.
- 4. II Meeting of the Young Academy of Spain. Crossing Borders: Future of Science, Culture and Knowledge.
- 5. Collaboration agreements for the realization of collaborative activities: Cervantes Institute, Falling Walls Lab., Official College of Telecommunications Engineers, Maldita.es.
- 6. Mentoring program
- 7. Study on disability and research careers
- 8. Collaboration with the Royal Academy of Engineering to update and maintain the Spanish dictionary of engineering.
- 9. Science outreach talks at high schools and universities
- 10. A game to introduce machine learning and statistics to students.

Administrative support structures/staff:

- 1. Financial Manager: part-time position
- 2. Website Manager: outsourced service
- 3. Administrative Officer: full-time position



Members: to date 120 for the year 2022

Alumni: Members who exceeds the age limit could apply for "honorary membership" if they are willing to contribute for the SLAYS activities

Duration of membership: Annually renewable

Membership categories: Full/Affiliated

- 1. Full membership: Offered to those with a MD/PhD or equivalent degree and /or to those with a proven track record of outstanding contributions to science, technology and innovation and commitment to public service.
- 2. Affiliate membership: Other post graduate degrees or at least evidence for registration for such a degree at any recognized local or overseas university.

Membership selection criteria:

- 1. Eligibility: Age below 45 years at the time of application
- 2. Minimum qualifications: A postgraduate degree from a local or foreign university

Membership selection procedure:

Evaluated by the membership subcommittee and approved by the council

Affiliation to:

Established under the National Academy of Sciences Sri Lanka (NASSL), but SLAYS operates independently with a view to bring early- and mid-career scientist together to create new opportunities that facilitate progression of science in Sri Lanka. We are affiliated with National

Science foundation, National Science and Technology Commission and Coordinating Secretariat for Science, Technology and Innovation.

Examples of current activities and projects:

- 1. The pioneer of organizing the 3MT competitions in Sri Lanka with the permission of QUT
- 2. SLAYS Annual Conference
- 3. Collaborative activities with the young academies in the region, webinars and competitions such as Photography etc. to popularize the sciences

Administrative support structures/staff:

Office bearers: President, Secretary, Treasurer, Reporter & President Elect; Council members: 10

Sudanese Academy of Young Scientists

Established: 2007

Email: shayoub200@hotmail.com

https://www.facebook.com/groups/134631322254/permalink/10158111837012255/

Members: 20 female / 20 male Alumni: -Duration of membership: 4 year, Executive Committee: 2 years

Membership selection criteria: There are three types of membership; full membership, partial membership and honorary membership.

- Full membership: the member should be 40 years or less and has at least a master degree in basic or applied sciences.
- Partial membership: the member should be at least a B. Sc holder in basic or applied sciences and not more than 40 years old.
- Honorary membership: the member should have a PhD in basic or applied sciences and over 40 years.

Honorary and partial members enjoy all the rights of full member with the exception of voting and nomination of other members.

Membership (Executive Committee) selection procedure:

The Executive Committee shall consist of ten members to be elected by the General Council every two years. Elected members include the President, Vice-President, General Secretary, Membership Secretary (2 members), Secretary of Academic Affairs (2 members), Secretary of Public Relations (2 members) and Treasurer.

Nomination for membership shall be made by a full member from those present at the meeting of the General Assembly provided that he/she had paid the subscriptions due to the Academy. The nomination shall be seconded by another full member. Members shall be elected by simple majority voting.

Affiliation to:

The Young Academy has been officially registered at the Ministry of Humanitarian Affairs under the auspices of the Sudanese National Academy of Science (SNAS).

Examples of current activities and projects:

Implementation of the Covid-19 Module in Sudanese schools The project will serve the SDG 3 (Good health and well-being) and 4 (Quality Education)

Administrative support structures/staff: The Young Academy has no staff. The President, Vice-President, General Secretary, Membership Secretary, Public Affairs and Financial Secretary carry out most of the administrative work.

Young Academy of Sweden

Established: 2011

Email: info@sverigesungaakademi.se

Twitter: @ungaakademin Facebook: Sveriges unga akademi LinkedIn: Sveriges unga akademi Instagram: @sverigesungaakademi.se

Members:38(female: 21 / male: 17)Alumni:63(female: 28 / male: 35)Duration of membership:5 years

Membership selection criteria:

The call is open to prominent, independent researchers in all disciplines, with a PhD obtained 2-10 years ago (possible extension for parental leave, illness, clinical service or military service). Qualification requirements for election are scientific excellence and engagement in contributing to the academy's areas of interest.

Membership selection procedure:

An interdisciplinary panel, new each year, consisting of members from the Young Academy of Sweden, examines applications and call a number of candidates for interviews in mid-April. External expertise is used when necessary. The interviews are conducted as group discussions. The new members are presented at the end of May at the academy anniversary, at which time the term of office begins which is five years without the possibility of re-election.

Affiliation to:

The academy is independent. The Young Academy of Sweden was formed on 27 May 2011 at the initiative of the Royal Swedish Academy of Sciences (RSAS), with the aim of becoming an interdisciplinary forum and a research policy platform for younger researchers in Sweden in all disciplines. On 24 October 2013, the *Foundation for the Young Academy of Sweden* was formed with the primary task to ensure that the Young Academy of Sweden is able to continue its activities independently. A board of directors manages the foundation, where the chair and majority of members are appointed by the academy board.

Examples of current activities and projects:

A Beginner's Guide to Swedish Academia For Women in Science 2023 Children's book Network program for researchers and politicians Debate articles and policy recommendations Hosting the European national young academy (ENYA) meeting 2023 International young academy collaborations The Future of Research conversations in collaboration with Nobel Prize Museum



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Administrative support structures/staff:

Chief Executive Officer Administrative Officer Head of Communications Project Coordinator

Swiss Young Academy (SYA)

Established: 2019

Email: info@swissyoungacademy.ch

Twitter: @youngacademy_ch Instagram: @swissyoungacademy Youtube: Swiss Young Academy Linkedin: Swiss Young Academy



junge akademie schweiz jeune académie suisse giovane accademia svizzera giuvna academia svizra swiss young academy

 Members:
 34
 (female: 22 / male: 12)

 Alumni:
 0

Duration of membership: 5 years

Membership selection criteria:

- An interest in inter- and transdisciplinary cooperation and the implementation of joint and personal projects
- Outstanding achievements at university level
- Willingness to take part in the general assemblies held each year (one to three times a year)
- Be aged no more than 40 years when taking office
- Academic connection to research, innovation and education in Switzerland
- A specialist medical training (for doctors) or a doctorate (for all other scientists) or the highest possible degree that was completed no more than seven years ago.
- Good knowledge of English (correspondence language is English)

Membership selection procedure:

The member's assembly appoints an election commission, which is responsible for electing members into the Swiss Young Academy every two years. The SYA's members and its advisory council are entitled to nominate potential members. In the alternate years, the Swiss Academies of Arts and Sciences' board of directors is responsible for electing new members.

Affiliation to:

The Swiss Young Academy is a platform of the Swiss Academies of Arts and Sciences, established with the purpose of supporting young academics. Fundings come from the senior academies.

Examples of current activities and projects:

Overview: https://swissyoungacademy.ch/en/laufende-projekte/

- 1. Challenging Inequalities and Precarious Working Conditions in Swiss Academic Institutions
- 2. COVID-19 Fake News
- 3. Fostering Transdisciplinary Collaborations for Change
- 4. <u>Who gets heard? Selecting Scientific Experts in Swiss Legislative Processes</u>

Administrative support structures/staff:

The Administrative Office is accommodated in the general secretariat of the Swiss Academies of Arts and Sciences, which is located in the House of Academies in Bern. It performs organizational, structural and administrative functions and serves as the first contact point for the Young Academy's members and the public. Its staff is responsible for establishing legal bases, servicing members and for internal and external communication.

Uganda National Young Academy

Established: 2015

Email: writerblique@gmail.com egonyu@gmail.com cnshemereirwe@gmail.com



Twitter: @UgandaNYA

Members: 10 (female: 2 / male: 8) Alumni: 2

Duration of membership: 5 years

Membership selection criteria:

Minimum PhD + demonstrated public engagement

Membership selection procedure:

Ideally members are recruited annually, but this process has faced a set-back in the last two years due to COVID19 interruptions.

Affiliation to: loose relationship to the Uganda National Academy of Science (UNAS); the young academy gets invited as speakers at their conferences, as members of their working groups and is hosted on their website.

Examples of current activities and projects:

- **Participation in the Ernesto Illy Colloquia addressing the** Sustainability challenges in coffeegrowing worldwide (<u>https://twas.org/node/15428/</u>). The colloquium was hosted by Ernesto Illy Foundation and UNESCO-TWAS.
- Member representation in the TWAS Young Affiliate Network
- Member participation in the UNESCO Scientific Integrity meeting on 9 December 2021
- Science education outreaches by members in the form of student internships and trainings at various government organisations in Uganda, such as Data Science training at National Coffee Research Institute, Data Science training at Uganda Christian University.

Administrative support structures: from the Uganda National Academy of Science in the form of hosting membership information on its website.

UK Young Academy

Established: 2022

Email: enquiries@ukyoungacademy.org

Twitter: @UKYoungAcademy

LinkedIn: https://www.linkedin.com/company/74749052/

Members:Our first ~60 members will be in place from January 2023.Alumni:N/ADuration of membership: 5 years

Membership selection criteria:

- Career history
 Demonstrated excellence in career
- Personal statement

Demonstrated evidence or capacity for leadership, involvement or enthusiasm for innovation and entrepreneurial activity; interdisciplinary working; participation in international collaboration

JKYoung Academy

• Vision and commitment to the UK Young Academy

Demonstrated evidence of flair for innovative and creative thinking, interest in both global and national professional and societal policy issues; interest in international collaboration, demonstrable commitment to UK Young Academy activity

Applicants were asked to use these sections of the application form to demonstrate evidence of outstanding professional achievement, together with other relevant skills, interests and experience they might have.

All applicants were asked to provide a short video submission (no longer than 3 minutes) as part of their application, outlining a topic, issue or subject area that interests them, which could be an area for consideration for the UK Young Academy's work programme. Reasonable adjustments and alternatives were offered for applicants who were unable or uncomfortable submitting a short video.

Membership selection procedure:

Applications were collected through an open call for members which closed mid-September 2022. This has been followed by a review process which is currently in progress, run by an interim Appointments Committee who are responsible for the selection of the first cohort of members. A group of supporting reviewers has also been put in place to support the review and scoring of the applications.

Affiliation to:

The UK Young Academy has been established in partnership with the seven senior national academies operating across the UK and Ireland. These are:

- The Academy of Medical Sciences
- The British Academy
- The Learned Society of Wales
- The Royal Academy of Engineering
- The Royal Irish Academy
- The Royal Society
- The Royal Society of Edinburgh

The UK Young Academy is currently operating under the auspices of the Royal Society and has been set up to allow the Young Academy to move under the auspices of one of the other senior academies or become independent in the future if desired by the members.

Examples of current activities and projects:

N/A

Administrative support structures/staff: Amy Fry – UK Young Academy Project Manager E: <u>amy.fry@ukyoungacademy.org</u>

NEW VOICESinSCIENCES, ENGINEERING & MEDICINENew Voices in Sciences, Engineering and Medicine, USAEstablished: 2021Email: newvoices@nas.eduTwitter: @NewVoicesNASEM

Members: 22 (female: 13 / male: 9) Alumni: 18 Duration of membership: 2 years

Membership selection criteria: Nominations (including self-nominations) for outstanding earlycareer leaders from fields of sciences, engineering, and medicine who are within approximately 10 years of an advanced degree and who have demonstrated a commitment to service in their professional and local communities in areas of science leadership, communication, education, policy, etc.

Membership selection procedure:

An open call for nominations resulted in a large number of nominated and self-nominated individuals. Those short nominations were vetted through multiple rounds, and a finalist group was selected and invited to submit full applications. Those finalist applications were reviewed and scored by a senior advisory committee, and some finalists were invited to oral interviews. The final cohort members were selected from the interviewed finalists. There is a tentative plan for a future membership call in 2023. Since there has only been two pilot cohort so far, the National Academies staff and the program senior advisory committee was responsible for making initial selections. Future classes will involve current members leading the selection process according to a defined membership growth strategy and recruitment process.

Affiliation to: a program/initiative of the US National Academies of Sciences, Engineering, and Medicine;

New Voices is a young academy that was inspired by the worldwide NYA movement and as such, has many similarities with those initiatives.

Examples of current activities and projects:

Science Storytelling: <u>https://www.newvoicesnasem.org/stories</u> Science Networking Tool: <u>https://www.newvoicesnasem.org/the-network</u>

Administrative support structures: yes, a New Voices Project Director and a Program Assistant, all based at the US NASEM and working part-time to manage internal and external operations of New Voices.

Vietnam Young Academy

Established: 2014

Email: l.nguyen@ucl.ac.uk

https://www.linkedin.com/in/vietnamyoungacademy/ https://www.facebook.com/Vietnamyoungacademy



Members:female: 8 /male: 13Alumni:15Duration of membership: 5 years

Membership selection criteria: Eligible candidates will be competitively selected based on 1) their professional impact, 2) track record of societal contribution, and 3) potential to contribute to the goals of the VYA as well as the development of the Vietnamese community

Membership selection procedure: The selection process for membership of the VYA is transparent and merit based. It will be overseen by a Selection Committee, which will take the final decision. The application guideline should set out all details.

Affiliation to: None

Examples of current activities and projects: Organising webinars, publishing bulletins, publishing news related to science, funding, awards and scholarships on the VYA social media and website to the young Vietnamese scholars.

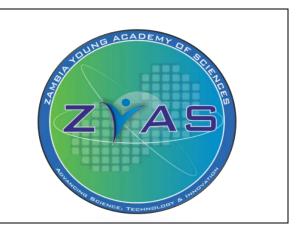
Administrative support structures/staff: None

ZAMBIA YOUNG ACADEMY OF SCIENCES

Established: 2019

Website: under construction

Email: nisiris@nisir.org.zm



Members: 17 (Female: 4 / Male: 13) Alumni: None Duration of membership: 5 years

Membership selection criteria:

- 1) A person shall be nominated as a member of the Young Academy for distinguished achievement in the pursuit, advancement and/or application of science.
- A person must be in possession of a minimum of Master's degree in any field of scientific discipline broadly including natural sciences, applied sciences, social sciences and humanities;
- 3) A person must not have attained the age of 45 years at the point of nomination to the Academy.

Membership selection procedure:

- Prospective members shall be nominated by two members of the young academy, who do so from personal knowledge and understanding of the scientific work and significance of the candidate's contribution to science, technology and innovation.
- 2) Short-listing of nominated candidates and final selection of candidates shall be conducted by a Selection committee formed by the Executive Committee
- 3) A nominee shall be elected for membership by the General Assembly through a secret ballot and should attain two-thirds of the vote.
- 4) The President of the Young Academy shall communicate to the nominee about the verdict.
- 5) The over-riding criteria for selection shall be scientific excellence and demonstrated application of science in making a difference in the world or in society.
- 6) A member of the Young academy may attain the title of "Fellow" after serving the Academy for a period of 5 years, having demonstrated exceptional contribution to the Young academy.

Affiliation to:

The Young Academy of Sciences (ZYAS) is an affiliate of the Zambia Academy of Sciences (ZaAS), but autonomous with regard to the content of its activities.

Examples of current activities and projects:

- 1) Networking, and strengthening the mandate of the ZYAS
- 2) Recruitment of new members by end of 2022

- 3) Revise the draft constitution prior to the General assembly in 2023
- 4) Planning for the inaugural General Assembly to elect new members as well as constitute the governing council and specialised committees in the year 2023
- 5) Development of resource mobilisation strategies for implementation of the ZYAS Strategic plan, 2021-2026

Administrative support structures/staff:

- The business of the ZYAS is managed and co-ordinated by the Secretariat that is headed by the Executive Director with administrative support from the Executive Secretary, Treasurer and Programmes Officer (See Figure 1). All of these positions are currently filled by members, who donate their time to the young academy pro-bono.
- The Executive Director is accountable to the Executive Committee comprising the President, Vice-President and Chairpersons of specilaised committees.

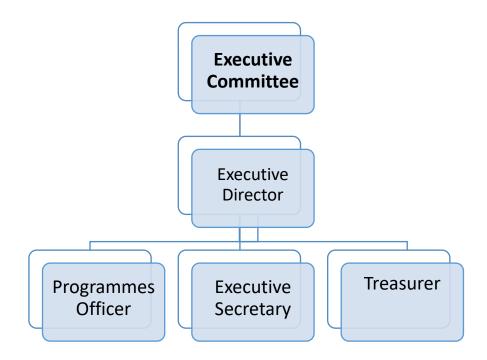


Figure 1: Orgogram of the Zambia Young Academy of Scioencs

Zimbabwe Young Academy of Sciences (ZIMYAS)

Established: 2013

Email: secretary@zimbabweyas.org

Twitter: ZIMYAS (@ZimbabweYAS)

LinkedIn: Zimbabwe Young Academy of Sciences



 Members:
 22
 (female: 7/ male: 15)

 Alumni:
 16

Duration of membership: 5 years

Membership selection criteria:

ZIMYAS members must have received their Ph.D. no longer than 3 to 10 years at the time of application. They must be Zimbabweans affiliated with a university or a research institution in Zimbabwe or in the Diaspora. The ZIMYAS membership is for up to five years with no possibility of reelection. However, after the end of a term, members can become life-long members of the ZIMYAS alumni network.

ZIMYAS members are promising young scholars with a demonstrable record of outstanding scholarship and research excellence in their area of study. All Young Academy members are expected to make active contributions to the goals and activities of the Young Academy such as taking part in the development of national science policies, establishing local Young Academy chapters at their institutions, promoting science education in local communities, and collaborating with other ZIMYAS members across disciplines to address current issues if scientific interest at a societal or global level.

Membership selection procedure:

Membership to ZIMYAS is through nomination by the members of ZIMYAS, other National Science Academies, International Science Societies, Funding Agencies, Professional Bodies, and other institutions of scientific repute as determined by the ZIMYAS General Assembly. Following the nomination, the application is peer-reviewed, and recommendations are made to the ZIMYAS General Assembly. The election of nominated candidates will be conducted by the ZIMYAS General Assembly at the Annual General Meeting. New members are elected by a majority vote of two-thirds of members present and voting.

Affiliation to: The ZIMYAS is autonomous with regard to its decision making and operational activities; it and organizes itself, in consultation with the President of the ZAS. ZIMYAS is not supervised by any organ of the parent academy.

Examples of current activities and projects:

Research excellence - Development the scientific capacity of the researcher is pivotal in fostering research excellence and good scientific practices. The key aim of ZIMYAS is to improve the research environments for scientists in Zimbabwean research institutions. Activities include:

- 1. Organizing and coordinating research training and outreach activities
- 2. Running ZIMYAS seminar series
- 3. Supports scholars in identifying postgradute research opportunities, grant calls, fellowships and scholarships
- 4. Organizing public lectures

Science communication and policy - The Science Communication and Policy working group strives to fill the knowledge gap about science by encouraging young scientists to communicate unambiguously with either scientific experts or non-experts. Activities include:

- 1. Devising ways to fight misinformation and science mistrust through the Zimbabwe Young Academy of Sciences Mass Media Fellowship (<u>Link</u>)
- 2. Training scientists in policy engagement
- 3. Science communication workshops (training on oral and written communication)
- 4. Publication of articles including policy briefs on relevant issues
- 5. National policy forum events

Administrative support structures/staff: no staff

Executive Committee

President:Edmond SanganyadoVice President:Annabel BandaSecretary:Joslin ChigwadaTreasurer:Blessing Nyamasoka-MagonziwaCommittee Members:Tamuka Chidyausiku & Graham ChakafanaAdministrative supportForeign Secretariat:Lloyd BwanaliDivision of Education:Tawanda MakuyanaDivision of Public Engagement:Charles TetaDivision of Publishing:Tongayi MwedziDivision of Science Policy:Margaret Siyawamwaya

Global Young Academy (GYA)

Established: 2010

Email: info@globalyoungacademy.net

Twitter: @GlobalYAcademy

https://www.facebook.com/GYA.online/



Members:	200	(female: 106 / male: 92; 1 non-binary; 1 prefers not to say)
Alumni:	366	(female: 130 / male: 236)

Duration of membership:

5 years (due to COVID-19 pandemic, currently a one-year "alumni plus" extension is possible)

Membership selection criteria: scientific excellence & commitment to service to society; aged 30-40 years; 3-10 years after completion of a PhD or similar degree; all disciplines

Membership selection procedure: application with reference letter, followed by peer selection by the GYA Membership Selection Committee

Affiliation to: independent young academy; German National Academy of Sciences Leopoldina provides administrative and legal shell

Examples of current activities and projects:

- Report on "Back to Basics: Researchers' perception on the global state of funding for fundamental research" (LINK)
- Science Advice Resource Centre (LINK)
- Science Ethics and Science Communications project (LINK)
- Science Diplomacy in the Americas working group established (LINK)
- New Voices in Global Health session at the WSF 2022 (LINK)
- Women in Science Motherhood Booklet (LINK)
- 3rd Professional development workshop for at-risk scholars (LINK)
- Global State of Young Scientists in Latin America and the Caribbean (LINK)
- Joint Webinar with ALLEA and STM Publishers on Inclusion, Diversity, Equity and Accessibility in Scholarly Peer Review (LINK)
- Sasha Kagansky Interdisciplinary Grant 2022/23 on "Tracking Technology and Mealtime Conversations in Families" (LINK)
- GYA Connections Magazine 2022, on Leadership (LINK)

Administrative support structures:

 seven staff at the GYA Office (6.1 FTE), plus currently three students (each about 10-15h/week)

TWAS Young Affiliates Network

Established: 2016

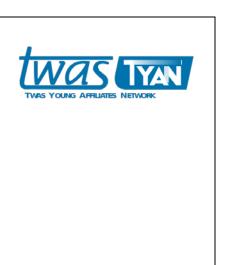
Email: tyantwas@gmail.com; exchanges@twas.org

Twitter: https://twitter.com/tyan_twas

https://www.facebook.com/tyan.twas.org? rdc=1& rd

r

Instagram: tyan.twas.org/



Members: 356 (female: 111 / male: 245) Duration of membership: 10 years

Membership selection criteria: scientists must be **aged 40 or less** on 1st January of the year in which they are selected, living and working in a developing country **for at least the past three years**, and have an excellent track record of **at least 10 international publications in peer reviewed journals**.

Membership selection procedure: TWAS through its "TWAS Young Affiliates" program selects and recognizes the most accomplished young scientists in various regions of the developing world for a period of five years. Members and alumni of the TWAS Young Affiliates program become members of TYAN.

Affiliation to: The TWAS Young Affiliates Network (TYAN) runs under the umbrella of The World Academy of Sciences (TWAS).

Examples of current activities and projects:

TYAN has several flagship programs:

- (1) TYAN Collaborative Grant Award (TCGA) that facilitates short-term research visits that empower young scientists and foster collaborations between the South-South or South-North.
- (2) TYAN International Thematic Workshop (TITO) initiates collaborations that address regional issues particularly in the areas of the UN-SDGs through in-person or virtual thematic seminar-workshops or lecture series in partnership with TWAS Regional Partners and other young academies in various regions of the developing world.
- (3) TYAN Outreach Program (TOP) is a networking program that has allowed TWAS young affiliates to represent TYAN in international forums.

Administrative support structures/staff:

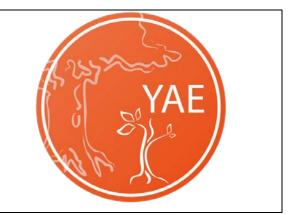
The Executive Committee is selected from members or alumni in each of the TWAS Regional Partners for a period of five years. Administrative support is provided by a TWAS Programme Director and Staff.

Young Academy of Europe

Established: 2012

Email: info@yacadeuro.org

Twitter: @yacadeuro



Members:181(female: 75 / male: 106)Alumni:109Duration of membership: 7 years

Membership selection criteria:

Please see: https://yacadeuro.org/join-us/

Membership selection procedure:

Please see: <u>https://yacadeuro.org/wp-content/uploads/2022/03/YAE_Admission_v1.5_2022-03-</u>04.pdf

Affiliation to:

We are an independent Young Academy. We have a partnership with Academia Europaea.

Examples of current activities and projects:

Please see our previous events here: <u>https://yacadeuro.org/events-previous/</u>

The rest of our activities, including our roles in scientific advice to the European Commission, our advocacy work, statements, surveys, interviews, our work with Initiative for Science Europe, and our annual YAE André Mischke Prize for Science and Policy, can be found in the 'Activities' section of our website.

Administrative support structures/staff:

We have a recent collaboration with the Academia Europaea Bergen Knowledge Hub by which we get some administrative support. The rest of activities / tasks are run by the volunteers in the board.