

2021
22



GLOBAL
YOUNG
ACADEMY

In Memoriam



Noble Banadda

Noble was a Professor and the Chair of the Department of Agricultural and Biosystems Engineering, Makerere University Kampala, Uganda, from 2012 until succumbing to COVID-19 in 2021.

Noble was a member of the GYA from 2013-2018, and was a truly gifted scientist. Among his many achievements, he was the first African recipient of the Pontifical Academy of Sciences Pius XI award.

He was also a member of the GYA's Solid Waste Management and Green Economy working group, contributed a case study to the group's Municipal Solid Waste Management and Green Economy report (2016) and collaborated on many inspiring projects.



**GLOBAL
YOUNG
ACADEMY**

2021/22

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Table of Contents

Co-Chairs Foreword	6
GYA in numbers	10
GYA Activities	18
GYA Working Groups	50
Collaboration with Young Academies	64
Young Academies Map	70
GYA Media	74
GYA Publications	82



Co-Chairs Foreword

The COVID-19 pandemic forced us all to reconsider our approaches to things that had become second-nature. One of the largest changes we at the GYA had to make was moving our Annual General Meeting (AGM) and International Conferences of Young Scientists online. We were also forced to explore various new approaches to member engagement - first completely online, and then in hybrid form.

As with many other organisations that rely on in-person meetings of their members to accomplish vital organisational functions and develop cohesiveness, the GYA spirit was tested, but nonetheless continued to shine through in inspiring ways.

For example, our Women in Science working group collaborated on the publication “GYA Women in Science stay and work from home: How might we make Covid-19 lockdown work for us?” Other working groups collaborated on amazing projects such as Science with Society (video tutorials on science and science communication) and the Science Advice Resource Centre, which provides early-career researchers advice on a wide range of topics.

Priscilla Kolibea Mante, GYA Co-Chair, Ghana

In times of crisis, innovation and adaptation become the keys to success. Adversity forced us to explore new ways to connect and engage. Despite the challenges, we adapted and thrived, producing impactful work. Let us carry this spirit forward and continue to create positive change and new opportunities for growth!



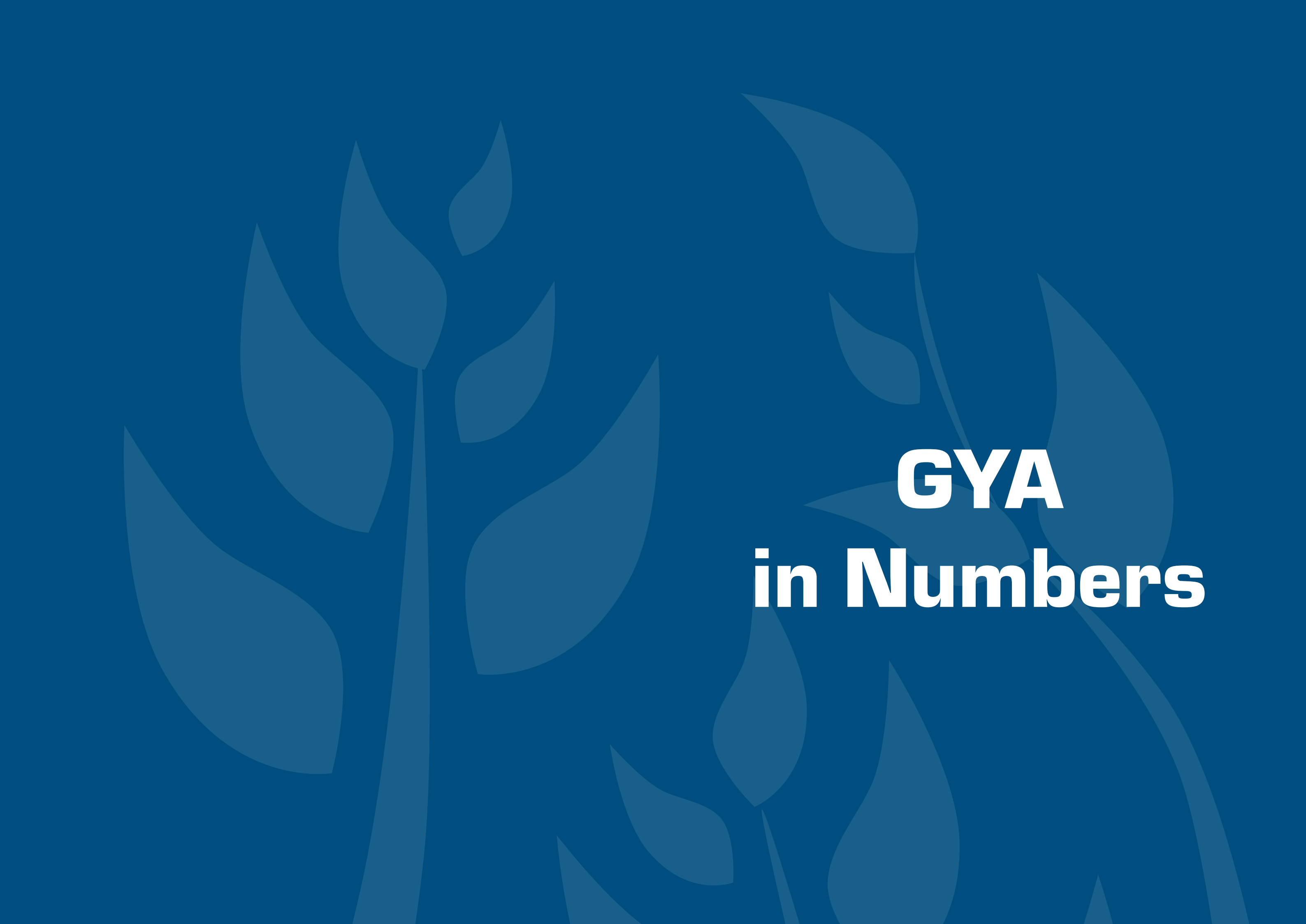
We strived to make the GYA an outstanding global voice of young researchers from all disciplines and walks of life. Despite all setbacks, we worked hard to make impact in different inclusive science diplomacy platforms. We will continue to expand the GYA contributions to our society.

Prosper Ngabonziza, GYA Co-Chair, United States

Further achievements included:

- Members of the GYA united to voice their concerns about the imminent danger to scholars, students, and academic freedom around the world, particularly regarding the war in Ukraine and violence in Iran.
- Ever-expanding cooperation with key international science organisations, including the GYA's vital involvement in the World Wide Meeting of Young Academies (WWMYAs) in 2022, held along with the InterAcademy Partnership Triennial Conference.
- Several GYA members and alumni became International Science Council Fellows
- GYA members and alumni also assumed InterAcademy Partnership leadership roles.

Now that the pandemic is easing, we're all looking forward to returning to the new normal, and we are excited that includes meeting again in-person at the 2023 Annual General Meeting in Kigali, Rwanda in June 2023!

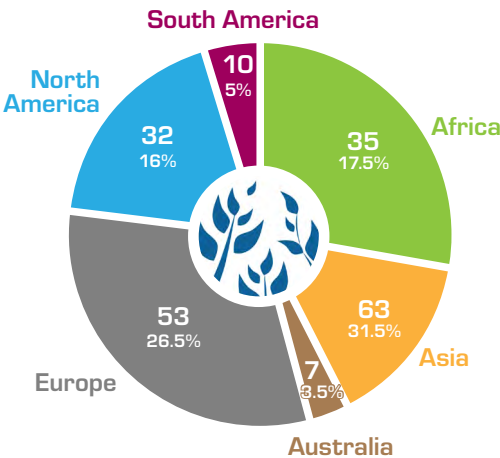
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GYA in Numbers

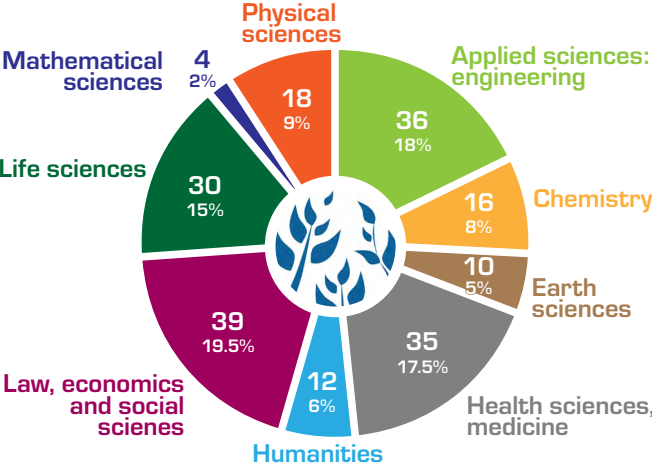
2021

GYA Membership

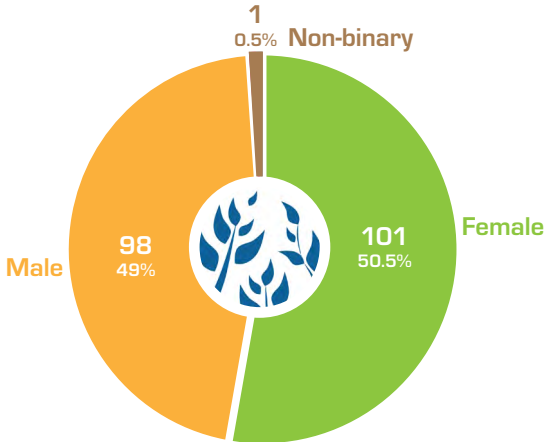
by region



by discipline

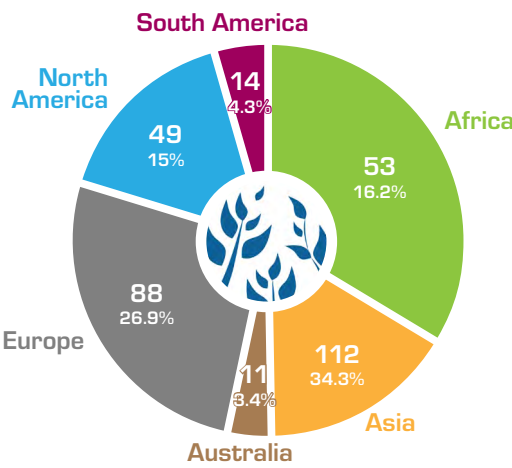


by gender

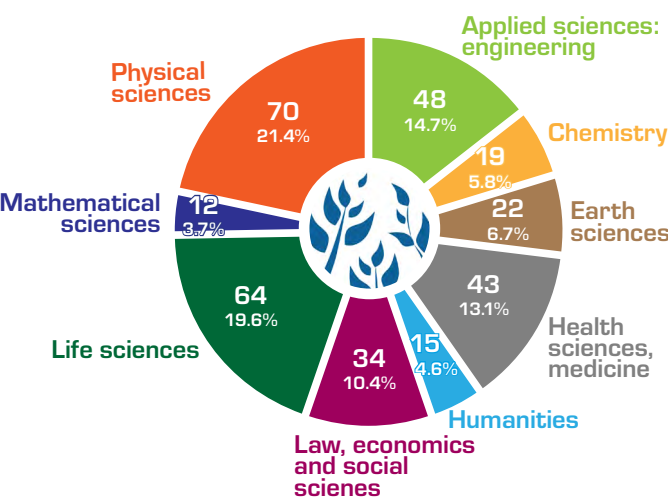


Alumni

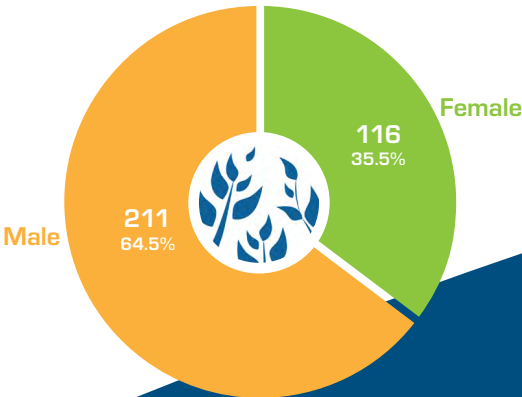
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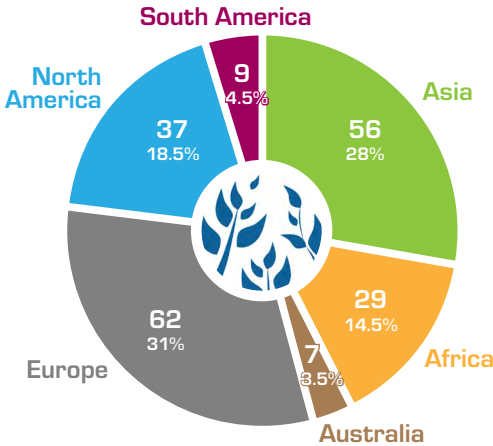
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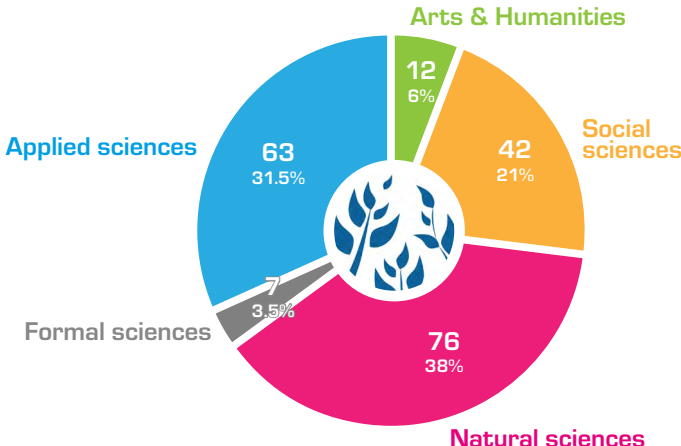
2022

GYA Membership

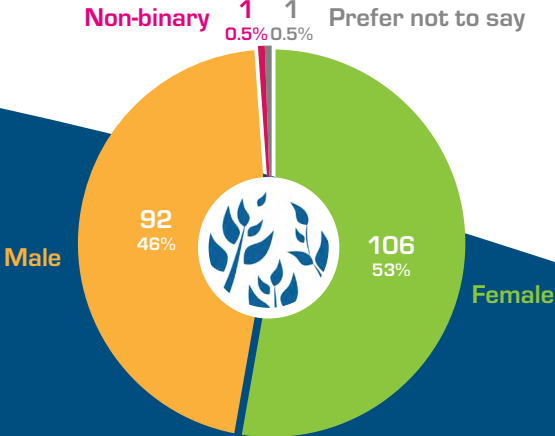
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by discipline



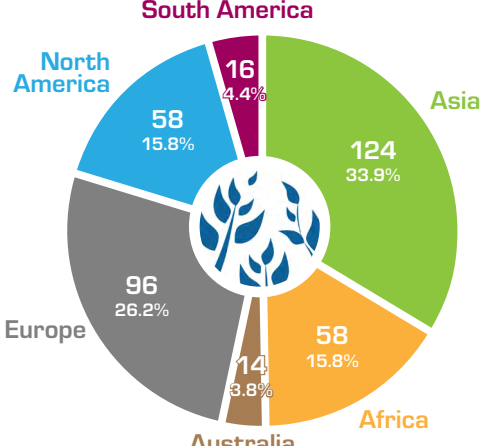
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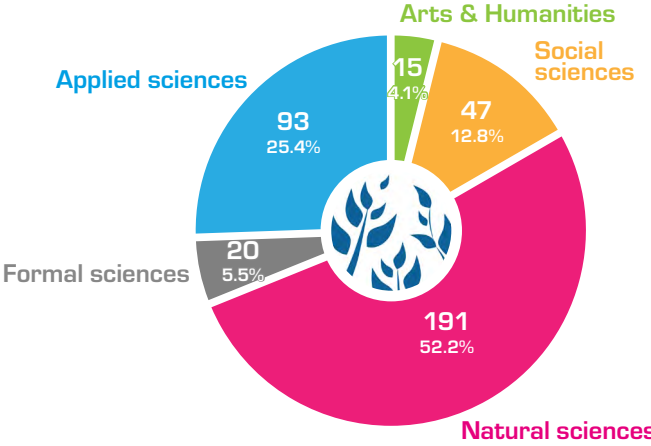
Note: In 2022, the reporting of the initial discipline categories, which reflected the composition of the GYA during its founding, was updated to better reflect GYA membership's disciplinary range and allow to keep better track of incoming member skill sets. The GYA now has 27 sub-disciplines, which fall under the five main disciplines shown above.

Alumni

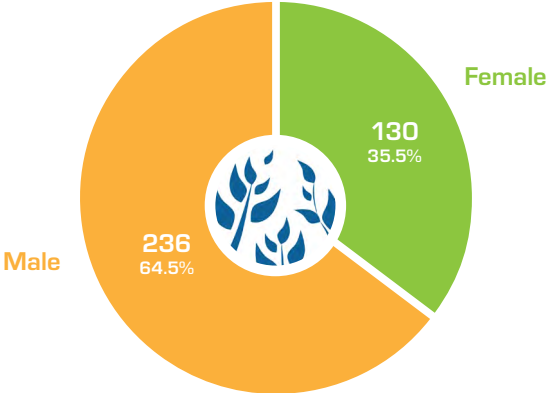
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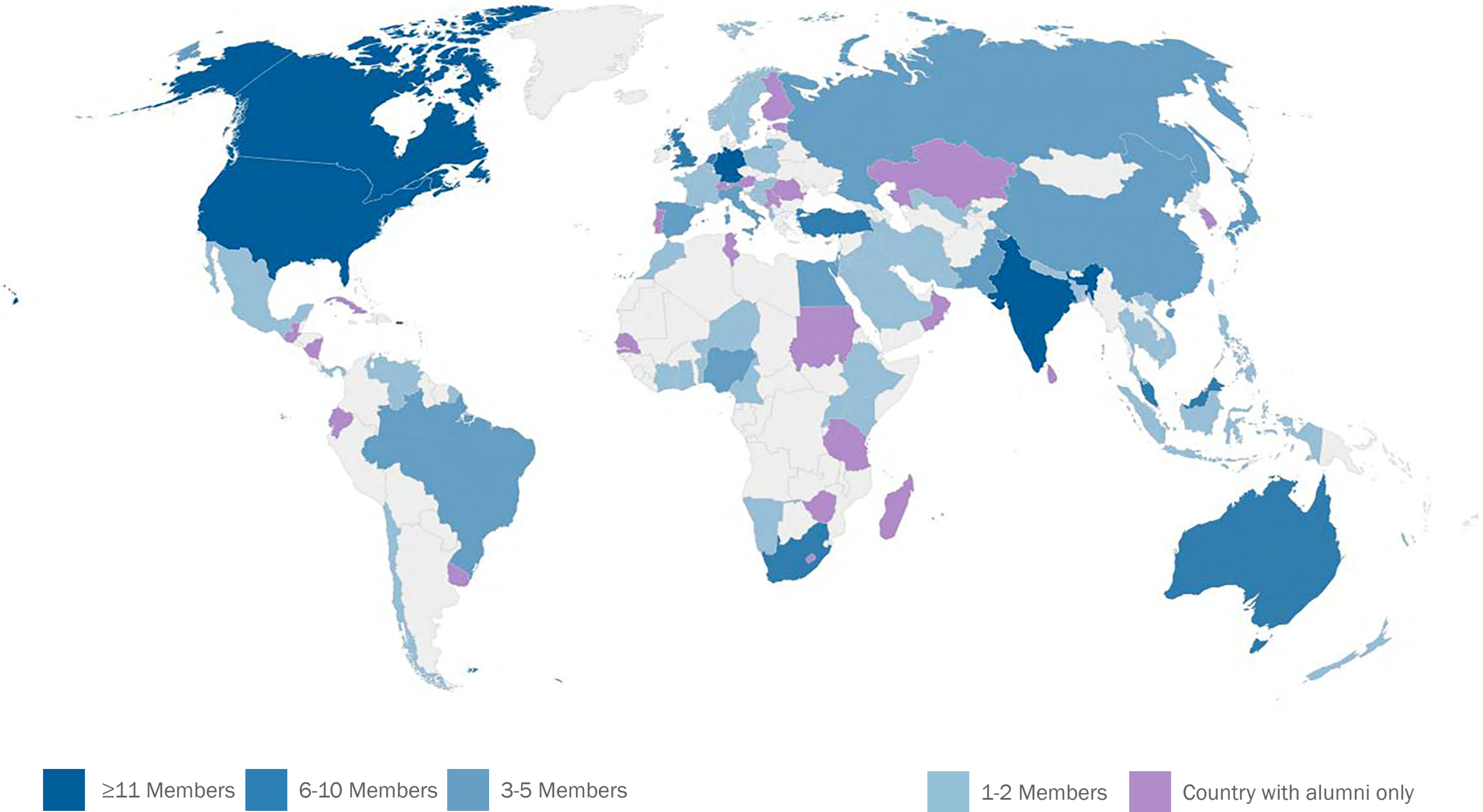
by discipline



by gender



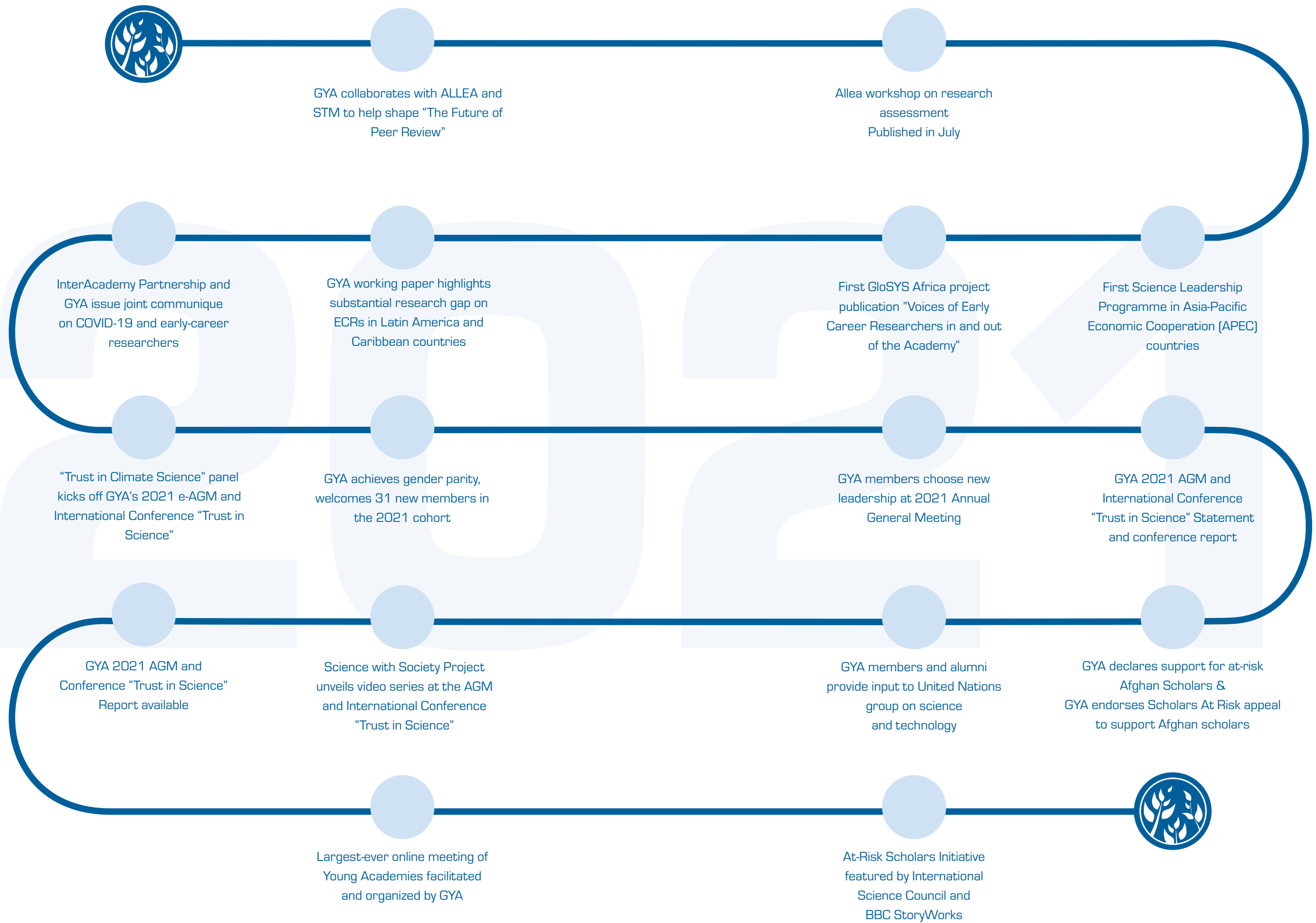
GYA Membership Map 2020/21



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GYA Activities

News timeline 2021



News timeline 2022



GYA Annual General Meeting & International Conference of Young Scientists

Every year, distinguished early- to mid-career scientists and scholars from around the world convene for the GYA's Annual General Meeting (AGM) and International Conference of Young Scientists.

During the AGM, GYA members induct new GYA members, choose new leadership, and plot the organisation's strategic direction. During the International Conference of Young Scientists, a theme of global relevance is addressed from interdisciplinary perspectives, bringing together members of the GYA with regional, national and international professionals and stakeholders, to lead evidence-based, interdisciplinary, and intergenerational dialogue.

In 2021, the online AGM and conference explored questions that connect the conference topic "[Trust in Science](#)" to science advice, Open Science, science communication and global food systems. Check out the highlights, reports and recordings of the 2021 "[Trust in Science](#)" conference.

In 2022, the online AGM and hybrid conference "[Harmonising Reason with Sensibility](#)" discussed ways to transcend disciplinary silos, spark a global interdisciplinary dialogue to reform the science system, and re-think the contribution of science to society. The meeting was hosted by the Young Academy of Japan, with support from the Science Council of Japan (SCJ). In-person meetings were hosted at Kyushu University, Fukuoka, Japan.

The resulting conference statement, as well as highlights, reports and recordings are available at the news item on "[Harmonising Reason with Sensibility](#)".



Three years online

For three consecutive years, the COVID-19 pandemic forced the GYA to move its AGMs online. As with many other organisations that rely on the in-person meetings of its members to accomplish vital organisational functions, the GYA spirit was tested but nonetheless continued to shine through in inspiring ways.

The GYA learned a new approach to online meetings ([compiled in our e-meeting handbook here](#)), and who knows what sort of hybrid conferences the future will bring.

Nonetheless, we're all very excited to meet again in-person in Kigali, Rwanda in June 2023!

Executive Committee members 2021/2022

Each year during the AGM, GYA members elect a new Executive Committee (EC) to represent and lead them through the upcoming year,

For the 2021/2022 GYA calendar year, GYA members elected a leadership team hailing from Africa, Asia and Europe to the EC, which is comprised of eleven members, of which two are Co-Chairs.

As Co-Chairs, members chose [Roula Inglesi-Lotz](#) (University of Pretoria, South Africa) and [Michael Saliba](#) (University of Stuttgart, Germany). Michael also served as a Co-Chair from 2020/2021.



Further EC members were as follows: [Michael Backes](#) (University of Namibia, Namibia); [Derya Baran](#) (KAUST, Saudi Arabia); [Cristina Blanco Sío-López](#) (University of Pittsburgh / Ca' Foscari University of Venice); [Lahcen El Youssefi](#) (Khenifra Superior School of Technology, Sultan Moulay Slimane University, Morocco); [Mohamed Elhadidy](#) (Zewail City of Science and Technology, Egypt); [Encieh Erfani](#) (IASBS, Iran); [Anna Harris](#) (Maastricht University, The Netherlands); [Abhijit Majumder](#) (Indian Institute of Technology, India); and [Prosper Ngabonziza](#) (Max Planck Institute for Solid State Research, Germany). Mohamed and Lahcen were both re-elected.

Executive Committee members 2022/2023

To represent and lead them in 2022/2023, GYA members elected a team hailing from North America, Africa, Asia and Europe – a majority of whom are women – to the Executive Committee (EC), which is comprised of eleven members of which two are Co-Chairs.

As Co-Chairs for the 2022/2023 term, members chose [Priscilla Kolibea Mante](#) (Kwame Nkrumah University of Science and Technology, Ghana) and [Prosper Ngabonziza](#) (Louisiana State University, United States). Prosper served as a member of the EC beginning in 2021.



Further EC members are as follows: [Michael Backes](#) (University of Namibia); [Cristina Blanco Sío-López](#) (Ca' Foscari University of Venice, Italy); [Encieh Erfani](#) (IASBS, Iran); [Sri Fatmawati](#) (Institut Teknologi Sepuluh Nopember, Indonesia); [Alma Cristal Hernández-Mondragón](#) (Center for Research and Advanced Studies of the National Polytechnic Institute, Mexico); [Monika Kędra](#) (Institute of Oceanology Polish Academy of Sciences, Poland); [Felix Moronta Barrios](#) (International Centre for Genetic Engineering and Biotechnology, Italy); [Arya Shalini Subash](#) (Institute of Chemical Technology, India); and [Filippo Rossi](#) (Politecnico di Milano, Italy).

Trust in Science

GYA members strive to build trust between the public and science practitioners. In 2021 and 2022, several projects and meetings explored the concept of “Trust in Science”.

2021 International Conference of Young Scientists “Trust in Science”

The International Conference of Young Scientists “Trust in Science” explored the topic from various angles, including the sessions “Trust in Climate Science”, “Transforming Food Systems”, “Improving Trust in Science through Communication” and “Building Trust with Open Science”.

[Learn more and view recordings of all the sessions here.](#)



Science with Society #SCISO

Video tutorials on science ethics and science communication

The SCISO project aims to provide easily accessible content, in the form of freely available video tutorials, that enable scientists to reflect about the role of science in society, and to communicate with broader audiences.

[Learn more and watch the SCISO videos here.](#)

More on Trust in Science

[GYA Conference Report “Trust in Science”](#)

[GYA Position Statement on “Trust in Science”](#)

[GYA webinar “Hardcore science skepticism - what can young scientists do?”](#)

Global State of Young Scientists

GloSYS project focus shifts to Latin America and the Caribbean

The Global State of Young Scientists (GloSYS) is an ongoing empirical research project investigating the context in which early-career researchers (ECRs) work, and the challenges and motivations that shape their career trajectories.

Previous areas of focus were ASEAN and Africa, while the third region GloSYS examines is Latin America and the Caribbean (LAC). The objective of GloSYS LAC is to investigate the socio-structural contexts that influence the trajectories of ECRs and the capacity of these academics to shape their careers.

In 2021 and 2022, GloSYS LAC published two working papers, was active at the Latin America and the Caribbean Open Science Forum (CILAC), published a paper in *Frontiers*, and later established a Science Diplomacy in Latin America and the Caribbean (LAC) Incubator.

In 2021, the GYA published **Voices of Early Career Researchers in and out of the Academy: A Pan-African Perspective**, which offers narratives highlighting the on-the-ground experiences of African ECRs trying to navigate their careers while dealing with personal and work challenges and affordances. This is the first output of the GloSYS Africa project.

Check out the dedicated GloSYS website [here](#) for information on GloSYS ASEAN, GloSYS Africa, and GloSYS LAC.



GloSYS LAC developments in 2021 and 2022

- GYA working paper highlights substantial research gap on early-career researchers in Latin America and Caribbean countries
- GYA side event at Latin America and the Caribbean Open Science Forum (CILAC) reveals challenges faced by early-career researchers in the region
- Mind the gap: Assessing research on early-career researchers in Latin America and the Caribbean before and during COVID-19 (*in GYA Connections*)
- GloSYS LAC working group members publish “Supporting Latin American Early Career Researchers on the Quest for Sustainable Development in the Region” in *Frontiers*

At-risk Scholars Initiative

The goal of the GYA's [At-risk Scholars Initiative](#) is to enable the re-integration of exceptional, early-career at-risk scholars into research through a mentorship programme developed and led by GYA members. As of 2021, 17 active mentoring relationships were ongoing and 18 graduated from the program.

Through our endorsement programme, 5 at-risk scholars have been successfully selected as new GYA members over three selection rounds from 2019 – 2021. Started as a pilot, the endorsement programme has now been made a permanent membership pathway to facilitate at-risk scholar membership in the GYA.

Looking forward, the At-Risk Scholars Initiative aims to expand the reach of career development workshops – both in-person and online – in cooperation with partner organisations, including those that work with at-risk scholars in low- and middle-income countries.

For example, in September 2022, the third GYA professional development workshop for at-risk scholars was hosted at Wolfson College, University of Oxford. You can read more in the [news item here](#).

In response to events in Afghanistan, in 2021 the GYA issued a Declaration of Support for Afghan students and scholars ([read full text here](#)), which focused on actions which can be taken by scientific organisations.



The Scientific knowledge being lost to conflict

As part of its “Unlocking Science” programme, the International Science Council, in collaboration with BBC StoryWorks Productions, featured the GYA's At-risk Scholars Initiative. [Read that article here](#).

Further highlights:

[GYA establishes permanent membership pathway to facilitate at-risk scholar membership](#)

[GYA member Eqbal Dauqan tells her story of leaving Yemen to continue her research overseas on the ISC Science in Exile podcast](#)

[GYA partners with IIE-Scholar Rescue Fund and Scholars at Risk for “Career Options beyond academia” webinar](#)

[Professional development workshop for at-risk scholars hosted at Wolfson College, University of Oxford](#)



Science Leadership Programmes

GYA Science Leadership Programmes (SLP) and workshops aim to nurture future science leaders by offering training in collective leadership skills and strengthening networks of ECRs across the globe.

The Science Leadership concept builds on the recognition that ECRs, as future science leaders, need leadership capabilities and strong networks to collaboratively address existing complex global challenges.

Building on the success of the Africa, ASEAN and APEC SLPs, the GYA supports the establishment of SLPs in other world regions, with a current initiative in Latin America and the Caribbean.

The GYA also (co-)organises 1-2 day Science Leadership Workshops for its new members and for ECRs from around the world. Since 2014, more than 200 young scholars and scientists have taken part in GYA-supported capacity-building science leadership programmes or workshops, and the first SLP in Latin America and the Caribbean was held in December 2022.

Further highlights:

- 2021 - New GYA Members meet in online Science Leadership Workshop
- 2021 - First Science Leadership Programme in APEC
- 2022 - Inclusive Science Leadership Programme in APEC
- 2022 - Defining Science Leadership for the GYA (*in GYA Connections 10*)
- 2022 - New GYA Members meet in online Science Leadership Workshop
- 2022 - First SLP in Latin America and the Caribbean



Check out these videos on the GYA and science leadership



Find out more about SLPs for ECRs

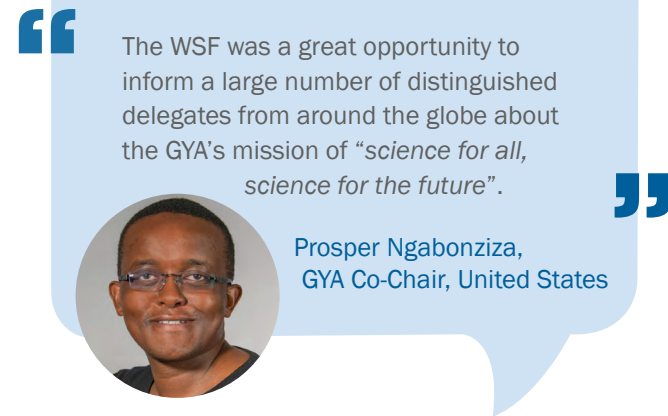


Learn more about GYA's approach to Science Leadership



Discover what Collective Leadership means to the GYA

World Science Forum 2022



In December 2022, over 15 GYA members and alumni served as panelists and speakers as scientists from around the world gathered at the World Science Forum (WSF) in Cape Town, South Africa to focus on the social and economic relevance, influence and responsibilities of science. ([Read the report here.](#))

As members of the WSF Steering Committee, the GYA plays a vital role in planning and carrying-out the WSF, as illustrated by the [Declaration of the Tenth World Science Forum](#), which explicitly recognizes the crucial role of early-career researchers (ECRs) in advancing science, and goes on to call for enhanced support for the GYA and National Young Academies.



GYA's Co-Chair [Prosper Ngabonziza](#) (Louisiana State University, United States) spoke during the Opening Ceremony, Immediate Past Co-Chair [Roula Inglesi-Lotz](#) (University of Pretoria, South Africa) spoke during the Opening Plenary session along with GYA Advisory Board member

Her Royal Highness Sumaya bint El Hassan, GYA member [Clarissa Rios Rojos](#) (University of Cambridge, United Kingdom) spoke during the Closing Ceremony Plenary session, and in between, more than a dozen GYA members and alumni from six continents acted as Plenary and Panel speakers throughout the five-day event.



GYA members & alumni among new InterAcademy Partnership governance

“

It is a great honor for our GYA members to serve in IAP leadership roles. We look forward to making a meaningful contribution to help strengthen and build the mission, vision, and goals of IAP branching into policy, education and outreach, and most importantly, the development role young academies can play in the global arena of science advice, excellence, leadership and contribution to the UN SDGs.



Karen Cloete, University of South Africa

”

Following an online election in summer 2022, for the first time, the GYA is represented in InterAcademy Partnership (IAP) leadership ([read the full story](#)).

GYA member [Karen Cloete](#) (University of South Africa) will be serving in the IAP Advisory Committee for the next two years. The Advisory Committee is responsible for synthesizing recommendations from the Development and Programme Committees and advising the IAP Board.

GYA member [Goran Bandov](#) (University of Zagreb, Croatia) and alumna [Karly S. Kehoe](#) (Saint Mary's University, Canada), nominated by the Royal Society of Canada, will be part of the IAP's Development and Programme Committee on Policy Advice. The role of the Development and Programme Committees is to assist the Co-Chairs in developing and securing funding for IAP programmes and activities.



GYA Executive Committee Member [Encieh Erfani](#) (Iran) will serve in the IAP Development and Programme Committee on Communication, Education and Outreach. GYA founding member [Jorge Huete-Perez](#) (Universidad Centroamericana, Nicaragua), nominated by the Nicaraguan Academy of Sciences, is also on this committee.



GYA members & alumni named ISC Fellows

As an Affiliate Member of the International Science Council, the GYA is delighted to announce the appointment of six GYA members and alumni as part of the second cohort of ISC Fellows announced at the 2022 World Science Forum in Capetown, South Africa.

We are happy to see GYA Executive Committee member [Encieh Erfani](#) (Iran) as well as Immediate Past Co-Chair [Michael Saliba](#) (University of Stuttgart, Germany) named ISC Fellows.



Furthermore, we congratulate GYA alumni [Olanike Adeyemo](#) (Nigerian Academy of Science, Nigeria), Past Co-Chair [Eva Alisic](#) (University of Melbourne, Australia), Past Co-Chair [Orakanoke Phanraksa](#) (Thailand Science Research and Innovation, Thailand) and [Binyam Sisu Mendisu](#) (The Africa Institute, Ethiopia). [Read more here.](#)

International Science Council



“

We all need to address threats to academic freedom, further develop Open Science, and help achieve gender balance in science. So I have this challenge to senior scientists: Let's work together on these urgent challenges - future generations of scientists need us to act NOW!

”



[Encieh Erfani, ICTP, Italy](#)

Sasha Kagansky

Interdisciplinary Grant

In 2021, GYA members voted to rename the GYA's North-South Interdisciplinary Grant to the "Sasha Kagansky Interdisciplinary Grant" in honor of the late GYA member Alexander "Sasha" Kagansky ([news item here](#)). A past recipient of the 2015/2016 grant himself, Sasha embodied the principles that the scheme seeks to encourage.

Introduced at the GYA's 2014 AGM, the "Sasha Kagansky Interdisciplinary Grant" seeks to support the development of blue-sky, exploratory research pilots or prototypes that unite researchers in low/middle-income and high-income countries and cross-disciplinary boundaries. The COVID-19 pandemic has inspired the last two grant winners.

2020-21 - The COVID-19 pandemic and art (19and.ART)



The [19and.ART](#) project has assembled a global collection of short, animated videos about the COVID-19 pandemic on YouTube. They have collected over 800 videos of different styles and topics. You can find the 19and.ART playlist on YouTube by visiting www.19and.ART.



2021-22 - Young Researchers and the COVID-19 pandemic

The [Young Researchers and the COVID-19 pandemic](#) project aims to document the struggles of young researchers throughout the COVID-19 pandemic, with a global perspective but also from an internal point of view.

The project group hosted two live discussion sessions with members and alumni to guide the writing of the testimonies that will become part of the book, which is in production.

2022-23 - Tracking Technology and Mealtime Conversations in Families

This interdisciplinary collaboration aims to generate cutting-edge pilot data that combines a focus on food and technology, with a focus on childhood development. The research on mealtime conversations using Alexa will also generate important insights relevant for equity and ethical design issues that are missing in the design of modern technologies such as Alexa.

Survey reveals barriers to diversity among young scientists around the globe

An article published in [GYA Connections Issue 10](#) titled “[Barriers to diversity among young scientists around the globe](#)” presents key findings from a survey carried out among GYA members and alumni in 2021 about workplace challenges in science.

The article delivers new evidence on diversity policies, workplace culture and gendered experiences of marginalization, discrimination, and harassment around the world

The survey was implemented by the GYA’s [Women in Science](#) working group, with support by the GYA Office.

The two principal domains that the survey set out to cover were:

- 1) workplace policies promoting gender equality
- 2) experiences of discrimination and harassment.

Prompted by the “Me Too” movement during the 2018 AGM in Thailand, the GYA Women in Science WG began discussing plans to develop a survey about the harassment of women in academia. The scope of the survey grew over time, and eventually covered a broader range of related workplace issues.

[Read “Barriers to diversity” here.](#)



More than half of surveyed women scientists reported hearing demeaning remarks about women with some regularity. We need to raise attention to remove remaining - and systemic - barriers to diversity, equity and inclusion in science.



[Jonas Radl, Universidad Carlos III de Madrid, Spain](#)



[Shaheen Motola-Timol, Tertiary Education Commission, Mauritius](#)

Pandemic leads GYA to create “Alumni Plus” category

With the necessity of holding three consecutive AGMs in a virtual setting, GYA members had to forego the opportunity to meet in person, build upon their global network of contacts, and strengthen bonds with other members and alumni across disciplines and backgrounds.

Thus, for all GYA members who have lost at least one AGM either due to the pandemic or any other future cancellation of the in-person AGM, the GYA created an “Alumni Plus” status to alleviate the impact of such events on our members and recent alumni.

Starting in 2022, outgoing members were given the option of choosing whether to become GYA alumni, or to rather stay on as Alumni Plus for one further year to finish a particular project, or to stay on as a group co-lead to ensure a smooth and orderly transition.

The Alumni Plus policy is based on what some young academies the world over have been doing to cope with the fallout from the COVID-19 pandemic.

“

Introducing the “Alumni Plus” status was a great move that alleviated the negative impact of whole cohorts having to miss-out on in-person interactions during an AGM, while at the same time staying within the constitutional limits of 200 members and a 5-year membership tenure. The active opt-in will lead to stronger bonding with the new Alumni Plus.

”



Executive Committee member
Michael Backes (University of Namibia)

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GYA Working Groups

Trust in (Young) Scientists

Science with Society video tutorials on science ethics and science communication

Science with Society (SCISO) is a project by the GYA's [Trust in \(Young\) Scientists](#) working group, in collaboration with the German National Institute for Science Communication (NaWik), and funded by the Volkswagen Foundation from 2020-2022.

Scientists around the world are confronted with threats to public trust in science on issues ranging from public health measures to climate change, and unfortunately there is often a perceived gap between science and society. The SCISO project aims to address these gaps by providing easily accessible content, in the form of freely available video tutorials ([on YouTube here](#)), that



enable scientists to reflect about the role of science in society, and communicate with broader audiences.

SCISO provides insights not only about the practical tools of science communication, but also about the deeper roots of the problems, for example, perspectives on scientific integrity or incentives in science. Our target audience is early-career researchers around the world who want to contribute to a trustworthy and trustful relationship between science and society.

[Visit the SCISO page to learn more.](#)



“

We want to encourage young scientists to position themselves in public debates, and enable them to make active contributions to the solutions of societal problems. Direct communication with citizens can help build trust in science, and all young scientists should have access to resources that support them in this.

”



Lisa Herzog (University of Groningen, Netherlands)

Global Health

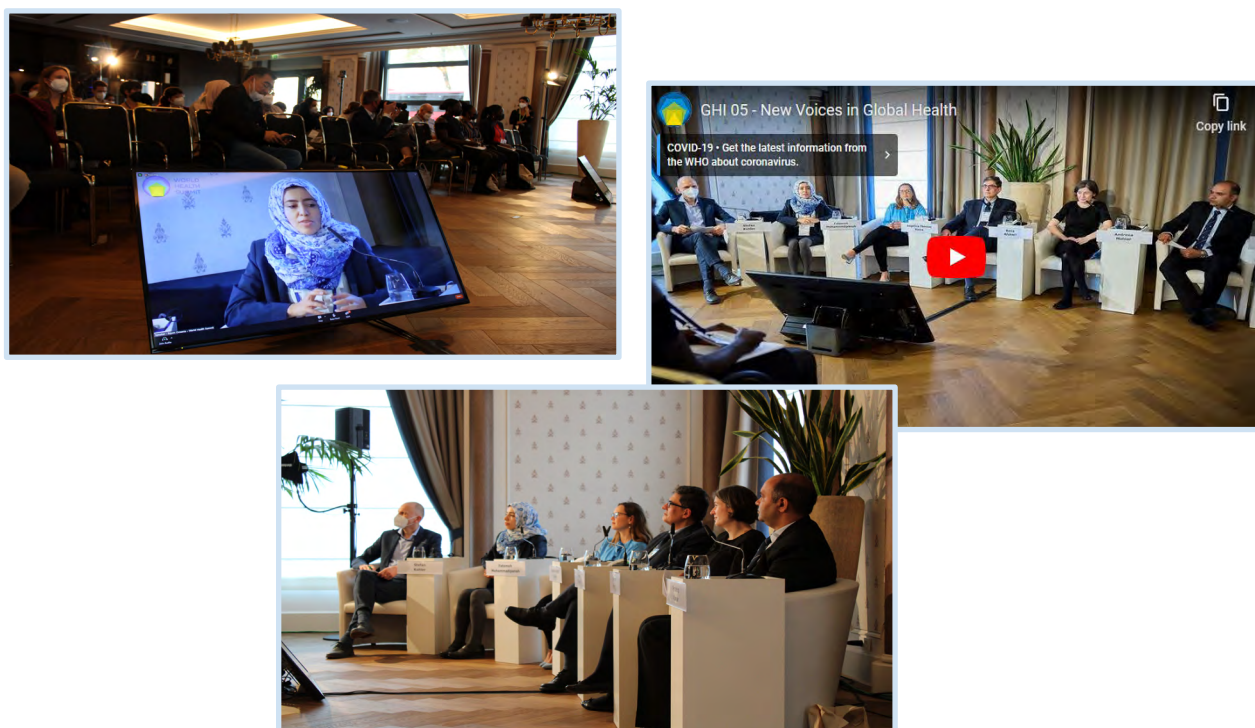


The **Global Health** working group presents the voice of prominent young researchers from all over the world in discussions about global health policies in relation to clinical medicine, public health, environmental health and social studies of health and illness.

The group covers selected important problems of human health by preparing GYA statements such as **Beyond Boundaries: A global message from young scientists on COVID-19** (and its complimentary infographic in 26 languages), as well as representing the GYA in forums and meetings dealing with global health issues.

Each year the Global Health WG represents voices of young scientists in conferences such as the Global Health Summit (pictured below), the World Health Assembly, and the United Nations Framework Convention on Climate Change conference, among others.

[Read more about the Global Health working group.](#)



World Health Summit

Members and alumni of the GYA and other young academies came together at the World Health Summit in both 2021 and 2022 in Berlin. In 2022 they presented “COVID-19 and Antimicrobial Resistance: Connections and Consequences”, and possible consequences for global health.

The session was co-chaired by GYA members Pradeep Kumar (University of the Witwatersrand, South Africa), Karen Cloete (University of South Africa) and Stefan Kohler (Heidelberg University, Germany).

Members of the Global Health WG have started a 1-year project on Antimicrobial Stewardship, to look into coordinated programmes that promote the appropriate use of antimicrobials (including antibiotics), improve patient outcomes, reduce microbial resistance, and decrease the spread of infections caused by multidrug-resistant organisms.

[Watch the World Health Summit video.](#)

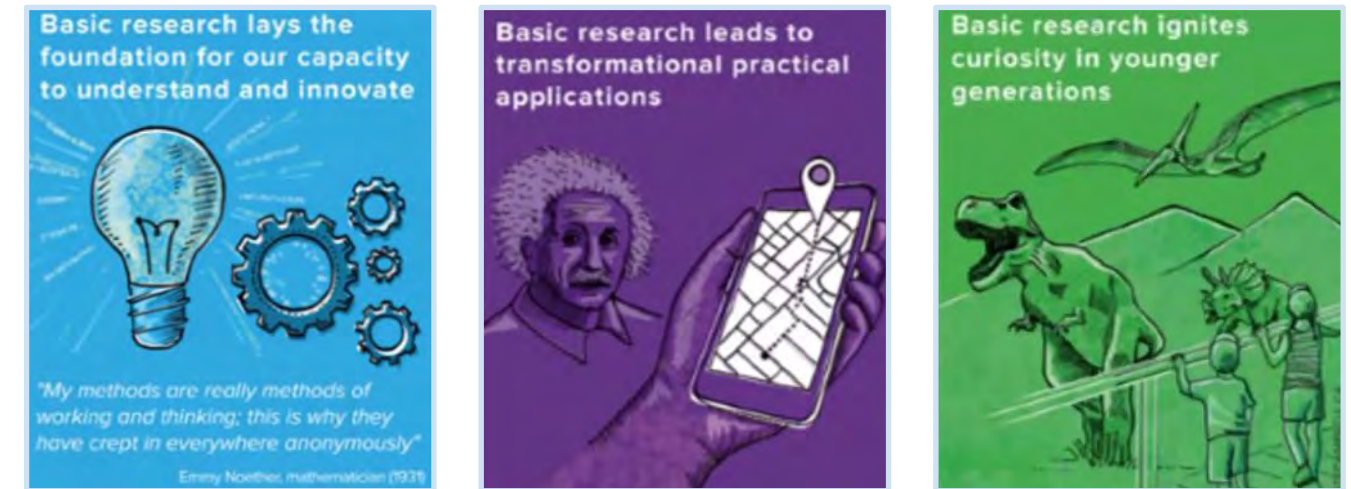
Importance of Fundamental Research

The Importance of Fundamental Research working group seeks concrete statistics on fundamental vs. applied research funding from a suite of countries, and aims to demonstrate the importance of fundamental research through empirical evidence and compelling arguments.

“ Without the foundation of basic research, applied research agendas are limited and weakened. We need to understand how crucial fundamental research is to innovation. If I study a single applied problem, I might come up with a solution. If I study the basis or foundation of a system to fully understand it, the potential applications are limitless. **”**



Anina Rich, Macquarie University, Australia

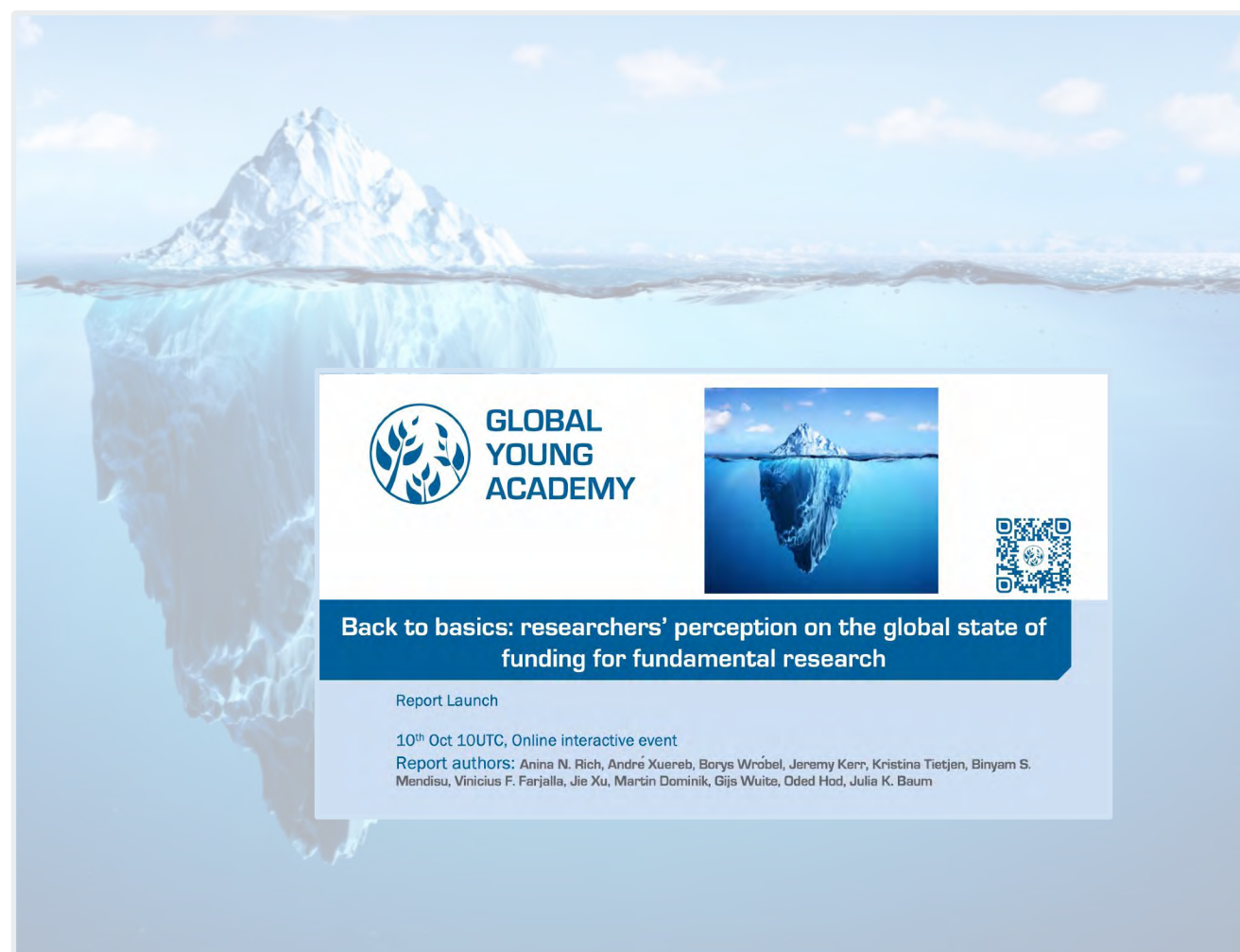


In November 2022, the GYA's Importance of fundamental research working group launched its report titled **“Back to basics: researcher’s perception on the global state of funding for fundamental research”**.

The report delivers the outcomes of a survey of researchers from around the world on the state of our research system, specifically regarding funding for fundamental, use-inspired, and applied science.

While the Back to Basics report is now launched, the work is not done. These outcomes need to be used to promote the importance of fundamental science with decision makers both in academia and in the political realm. Continued monitoring of the global status of blue sky science funding is also required to allow for appropriate corrections.

[More about the report is available here.](#)



Science Diplomacy in the Americas



Current science diplomacy efforts in the Americas tend to target specific regions separately (e.g., U.S. to the world, or only between Latin American and Caribbean – LAC countries), and do not primarily aim to integrate all the Americas. The lack of knowledge about the status of science in some LAC countries further aggravates the disconnection between different regions of the continent. To address this issue, the GYA Science Diplomacy in the Americas WG started as an Incubator in July 2021, and was promoted to GYA working group in July 2022.

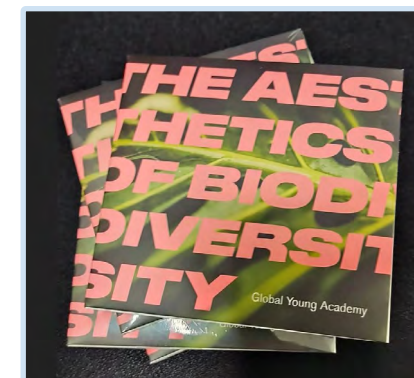
The Science Diplomacy in LAC WG intends to harness the current global momentum for science diplomacy, and is open to novel partnerships, especially between the Global South and North.

[Read more about the Science Diplomacy in the Americas working group here.](#)

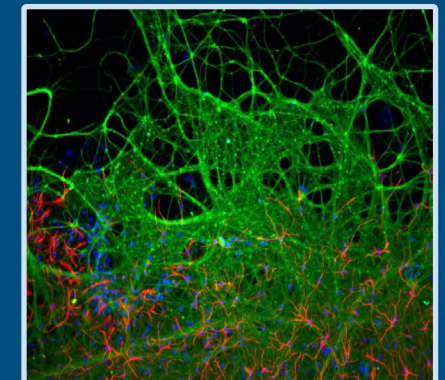
Science + Art =

The [SAPJ WG](#) want to promote the active engagement of scientists in the arts and set up mutually beneficial creative collaborations with artists.

In 2021 the WG published a CD compilation for their project on “The Aesthetics of Biodiversity”, which was curated by the group’s former co-lead, the late Sasha Kagansky, and current co-lead [Sergey Kostyrko](#) (St. Petersburg State University, Russia).



Peace and Justice



The audio compilation introduces the artists who are engaged through their sound works with ecological and biodiversity issues.

The unique approaches contained on this CD are inspired by scientific concepts in biology and ecology, including research in plant, insect and animal behavior, as well as studies the relationships between living organisms and their environment.

[The online version of this CD is available on the Bandcamp platform here.](#)

Science Advice

The GYA [Science Advice](#) working group focuses on building and enhancing scientific advisory capacities for early-career researchers. As such, the WG organises approaches to build a community of young scientists and practitioners around this topic.

The GYA [Science Advice Resource Centre](#) (SARC) is a platform that provides basic information on science advice, and is intended to be an initial entry point for early-career researchers into scientific advice.

The SARC consists of selected peer-reviewed articles curated by GYA members. The texts are the results of an internal writing contest held between April and May 2021.



In June 2022, group members organised a Science Advice for Policy-making Workshop as part of the GYA's AGM & conference, in collaboration with the Young Academy of Japan, the International Network for Government Science Advice (INGSA) and INGSA-Asia, who provided mentors. More than 40 participants took part in the meeting.



[You can watch the recording here.](#)

For further information, you can [read the related news item here.](#)



“Holding a writing competition allowed us to create the Science Advice Resource Centre in a collaborative way that really motivated the participants. This is no surprise really, as the GYA is a pool of bright minds motivated to take forward collaborative, multidisciplinary, international projects.”

 Felix Moronta, ICGEB, Italy

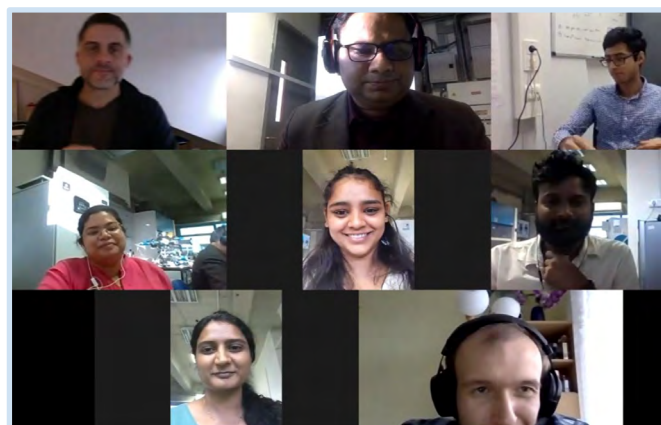
Young Scientist Ambassador Programme

The GYA [Young Scientist Ambassador Programme](#) (YSAP) promotes the efforts by GYA members to bridge the international scientific gap by facilitating cultural, scientific, intellectual, or educational interactions.

The ambassadorships occur between two countries that are at different stages of scientific development, or between two countries that historically have had minimal scientific contact.

2020 Virtual Missions

YSAP co-leads [Chandra Shekhar Sharma](#) (Indian Institute of Technology (IIT) Hyderabad, India) and [David Fernandez Rivas](#) (University of Twente, Netherlands) conducted a tutorial and experiment with ultrasound jointly with both their teams at the “Creative & Advanced Research Based On Nanomaterials (CARBON)” Lab at IIT Hyderabad and the Mesoscale Chemical Systems Group at the University of Twente, Netherlands. ([Watch the video here.](#))



A similar mission was organised in November 2020 between GYA members [Pradeep Kumar](#) (University of the Witwatersrand, South Africa) and [Filippo Rossi](#) (Politecnico di Milano, Italy). [Read that report here.](#)



2021 Virtual Mission

In 2021, GYA members Bernardo Urbani (Venezuelan Institute for Scientific Research Center for Anthropology, Venezuela) and Manuel Fernández-Götz (University of Edinburgh, United Kingdom) carried out a YSAP virtual mission titled “Sharing views about the past during the pandemic: From archaeoprimatology to conflict archaeology”.

[Watch the video here.](#)

Note: This section presents just a selection of WGs and their output.

For an overview of our WGs, their projects and collaborations with international partner organisations, [check out our Activities Page here.](#)

The background of the slide is a solid dark blue color. Overlaid on this background is a pattern of stylized, light blue leaves and stems. The leaves are of various shapes, some elongated and pointed, others more rounded, and are arranged in a way that suggests growth and movement. The stems are thin and curved, connecting the leaves. The overall effect is a subtle, organic design that complements the text.

Collaboration with Young Academies

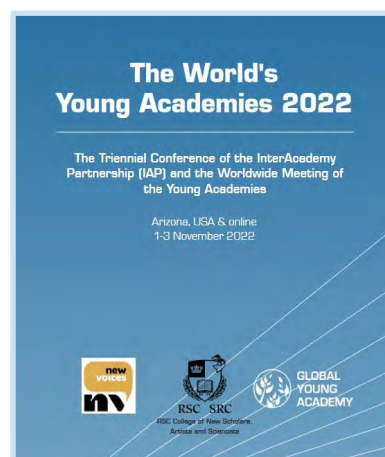
Worldwide Meeting of Young Academies

2021

The second online meeting of Young Academies from around the world took place in September 2021. The meeting was the largest gathering of young academies so far, with more than 70 representatives from 50 young academies and initiatives ([see here](#) for a current list of young academies). The meeting was again organised and facilitated by the GYA, and all Young Academies were invited to contribute to the meeting agenda beforehand.

Although only a few hours long, due to the online setting, the meeting offered great opportunity for young academy representatives to exchange experiences as well as to discuss successful young academy activities and common challenges.

The GYA was represented by Executive Committee members [Lahcen El Youssfi](#) (Moulay Slimane University, Morocco) and [Encieh Erfani](#) (IASBS, Iran) as well as GYA Managing Director [Beate Wagner](#) and Senior Project Officer [Anna-Maria Gramatté](#).



Download the 2022 Booklet “[The World’s Young Academies](#)” to learn more about what Young Academies do and how they operate.

2022



The Worldwide Meeting of Young Academies (WWMYAs) took place jointly for the first time with The Triennial Conference of the InterAcademy Partnership in November 2022. ([More on both here.](#))

The meetings were jointly organised by IAP, the GYA, the U.S. National Academies of Sciences, Engineering, and Medicine, the RSC College, and the U.S. National Academies’ New Voices Program. The joint meetings included IAP member academies as well as the world’s young academies for the first time ever, and strengthened connections and collaborations between the young and the long-standing science academies the world over.

The meetings also provided an opportunity for the IAP’s respective member academies to learn about young academies and their activities.

The GYA is currently the only young academy member of IAP.



GYA facilitates establishment of Young Academies Science Advice Structure

In 2020, Young Academies in Europe together established YASAS – the Young Academies Science Advice Structure, to become part of the European Commission’s Scientific Advice Mechanism by joining the Science Advice for Policy by European Academies (SAPEA) project as one of six Europe-wide networks.

GYA members including past Executive Committee member [Maral Dadvar](#) (Technical University of Darmstadt, Germany), [Markus Prutsch](#) (European Parliament, Austria) and past Co-Chair [Michael Saliba](#) (University of Stuttgart, Germany), as well as Office staff, led by Senior Project Officer [Anna-Maria Gramatté](#), helped facilitate this process from the start by joining initial discussions about the set-up of YASAS, supporting the eventual establishment process, and providing in-kind administrative staff support to assist the work of the YASAS Board during the first year of YASAS operation.

The first Executive Board Members of YASAS are Chair Jacek Kolanowski (Polish Young Academy), with further Board Members including [Maral Dadvar](#), Lucas Haffert (German Young Academy), Maria Jose van Tol (Dutch Young Academy), and Moniek Tromp (Young Academy of Europe).

YASAS is a collaboration of 13 National Young Academies: Belgium, Denmark, Estonia, Finland, Germany, Hungary, the Netherlands, Norway, Poland, Romania, Scotland, Spain, and Sweden, as well as the transnational Young Academy of Europe and the Global Young Academy.



**GLOBAL
YOUNG
ACADEMY**

Helping Young Academies thrive

One vital role that the GYA fulfills is helping establish and assisting National Young Academies (NYAs) and similar initiatives around the world.

The number of such initiatives grew substantially in 2021/2022, and now numbers over 50.

New YAs and similar initiatives in 2022 included the UK Young Academy (UKYA), the Young Academy of Ireland (YAI), the Rwanda Young Academy of Science (RYAS), the National Young Academy of Côte d'Ivoire (NYA-CI), and the Zambia Young Academy of Sciences (Zyas). Of particular note was the first National Young Academy in Latin America and the Caribbean, the Young Academy of Argentina (AJA).

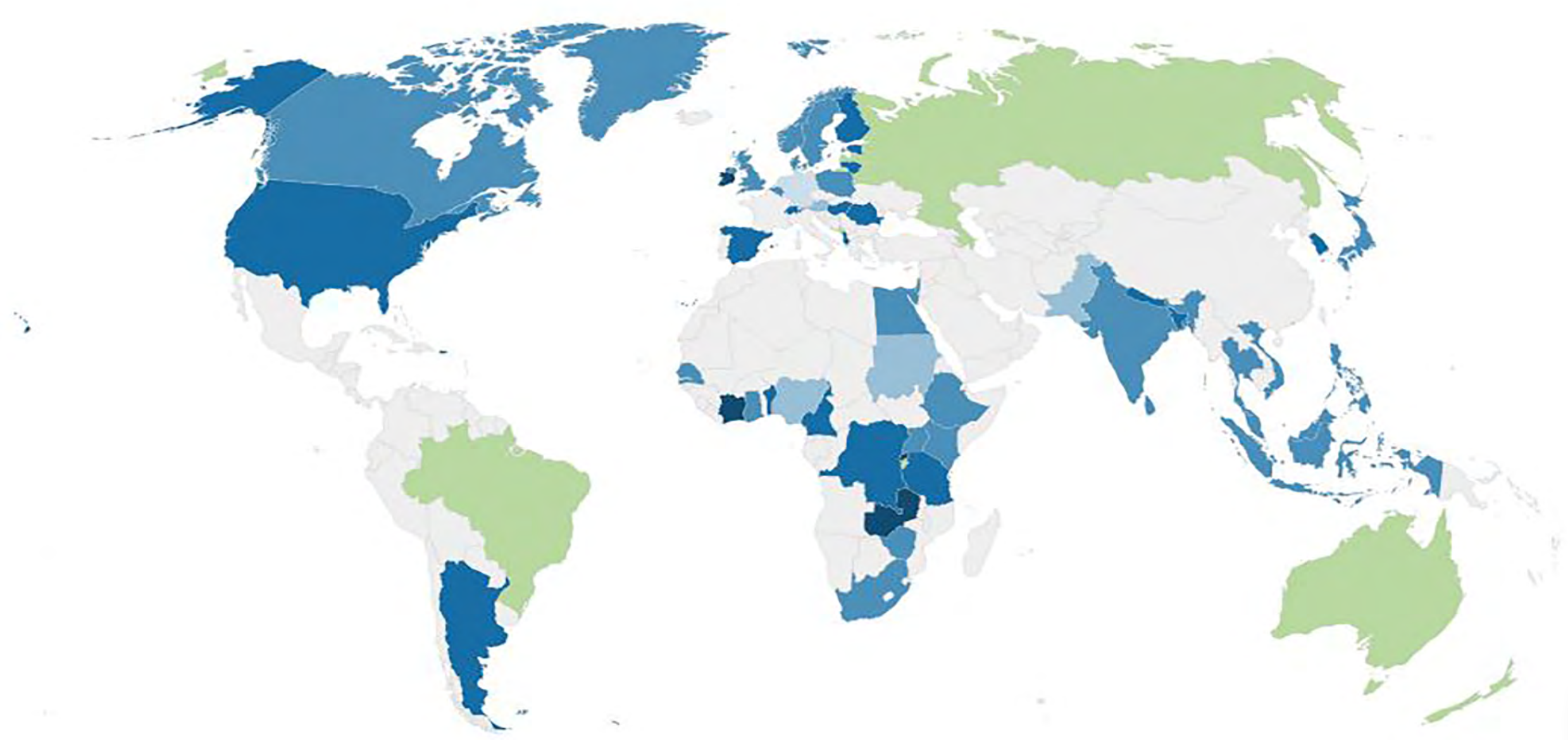
In 2021, new YAs and similar initiatives included, the D. R. Congo Young Academy of Sciences and the Romanian Young Academy.

The GYA seeks to help the young academies movement by supporting the establishment and development of young academies and similar initiatives with ongoing cooperation, networking events and opportunities.

Along these lines, the GYA has developed and collected a number of useful tools, [which you can find here](#), or you can email Senior Project Officer Anna-Maria Gramatté.



Young Academies Map



Founding Year

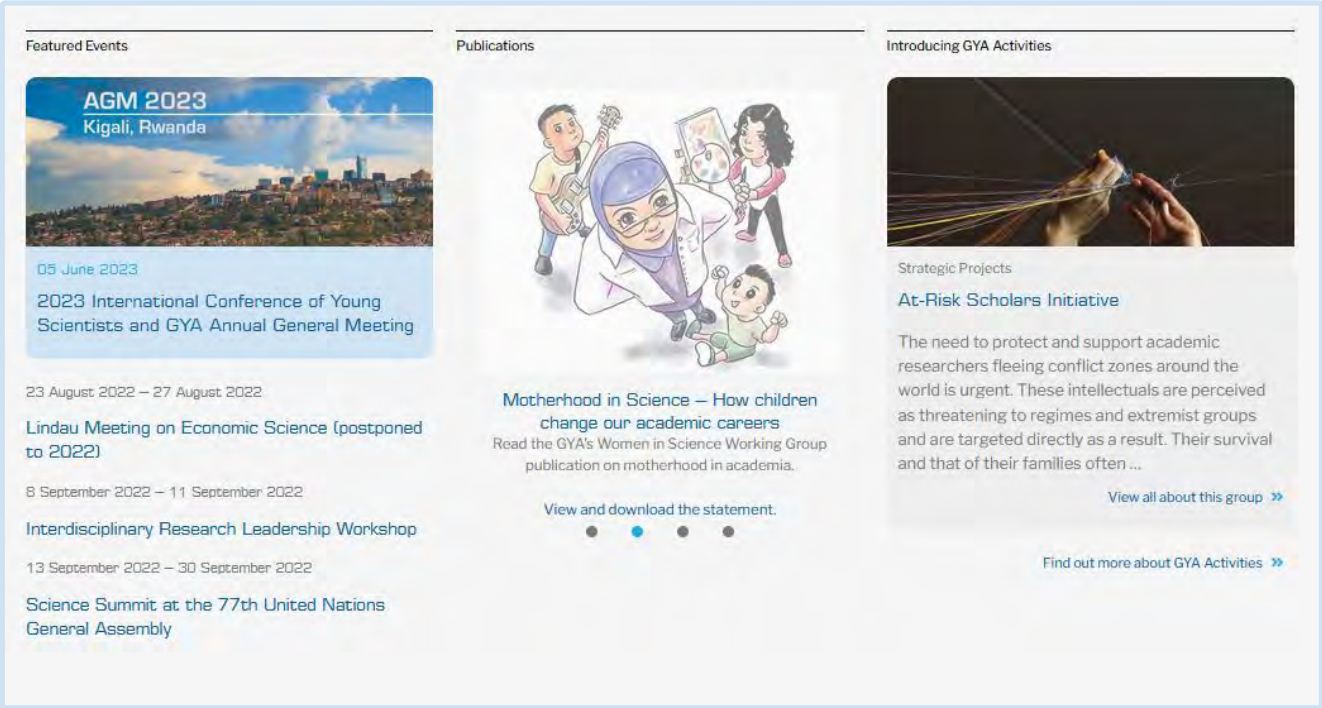
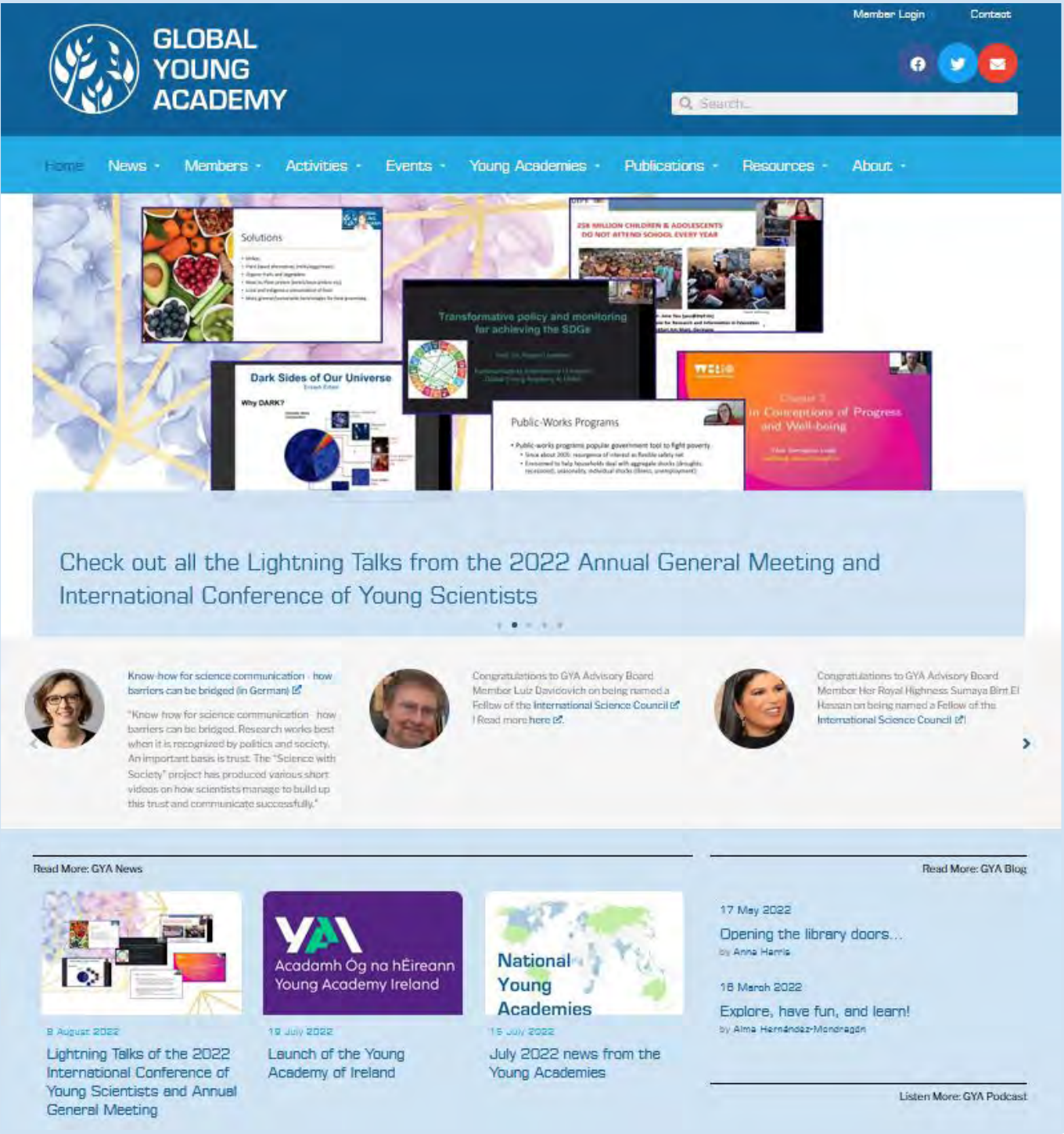


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Media

GYA online

New website unveiled!



In 2022, Senior Media Officer [Kirsten Geithner](#), in correspondence with Executive Committee Visibility lead [Michael Backes](#), accomplished the momentous task of redesigning and relaunching our website!

In addition to an updated look and feel, the new site has added functionality, search options, and a multi-panelled slider to showcase GYA members and their most recent achievements - both individually and collectively - as well as organizationally relevant happenings.

Come visit and see it for yourself!

GYA AGORA

continues to evolve

The GYA AGORA is the virtual community platform of the GYA network of members and alumni.

The AGORA allows GYA members and alumni to share all types of internal information, links, and documents that a member or alumni might need. It also provides a space to interact and exchange ideas in a non-synchronized manner.

At-Risk Scholars Initiative

POSTS

LATEST ACTIVITY

PHOTOS


Post Reply

Search

Page 1 of 1

Filter

Thread Starter



Jennifer Plaul

GYA Senior Project Officer

Informal Name:

At-Risk Scholars Initiative

23 April 2021, 01:29 PM

#1

REPORT 2022/ AGM 2022


The [At-Risk Scholars Initiative](#) aims to enable the re-integration of exceptional, early-career at-risk scholars into research through a mentorship programme developed and led by GYA members.


To find out more about the group's activities and what their plans for the next months are, take a look at their brief report here: [At Risk Report 2022](#)

Start a conversation about this project by replying in this thread, below.

To join the team, please either see their website or send an email to jennifer.plaul@globalyoungacademy.net

Co-leads:

 [@Teresa de la Puente](#)

 [@Lisa Herzog](#)

GYA Agora: Portal


Welcome

Welcome to the GYA AGORA, the virtual home of the GYA Network of Members and Alumni

This is the community page created for the GYA members and alumni. It holds all internal information, all links you might need, and provides space to interact and exchange ideas in a non-synchronized manner. Come in, join us, provide ideas and shape not just the GYA but the Agora along with it.

Please note that we are currently transitioning out of the AGM setup into a more permanent community setup. Some things might change from one day to the next.

GYA - Who we are and what we do



QUICK LINKS

HELP

Agora (Forum Home)

Members + Alumni

Documents

GYA Agora Statistics

280 Topics

1,094 Posts

237 Members

10 Active Members

Welcome to our newest member, [Sabrina Elias](#).

Current Staff Online

No staff currently online.

Originally developed as a way to provide an interactive space for our virtual Annual General Meetings, the platform has grown to be an all-round internal community platform.

GYA Members and alumni can login [here](#).

76

77

Social Media highlights

Under the supervision of Senior Communications Officer [James Curtiss](#), the GYA operates on various social media platforms, and conducts regular campaigns to highlight our members' work and GYA publications and meetings. We keep tabs on our illustrious alumni, too!

We also pay close attention to the social media presence of young academy and similar initiatives around the world, as well as our various partners' feeds.

Key numbers as of December 2022



12,200 Twitter followers (up from 6,500 in 2020)
<https://twitter.com/GlobalYAcademy>



10,300 Facebook followers
<https://www.facebook.com/GYA.online>



2,950 LinkedIn followers (up from 1,500 in 2021)
<https://www.linkedin.com/company/globalyoungacademy/>



261 Instagram followers (established in August 2022)
<https://www.instagram.com/global.young.academy/>



636 YouTube subscribers
<https://www.youtube.com/GlobalYoungAcademy>

Enciehn
GYA Member, IASBS
#thick

SCIENCE ADVICE RESOURCE CENTRE
GYA SCIENCE ADVICE WORKING GROUP

Science Diplomacy & Science Communication

This resource category contains seven articles dealing with the interlinkage of science with science communication.

Magnus Hirschfeld
1868 – 1935

Physician and sexologist
Advocate for sexual minorities. Founder of the Scientific-Humanitarian Committee - the first advocacy for homosexual rights. Founder of Institute for Sexual Science (1919 in Berlin, Germany). Member of feminist organization - League for the Protection of Mothers. Founder of World League for Sexual Reform, calling for reform of sex legislations, equality of the sexes, the right to contraception and sex education.

Gay
Author of "Homosexuality in Men and Women", based on his statistical surveys on homosexuality. Targeted by Nazis for being Jewish and gay. Died in exile, in France.

GLOBAL YOUNG ACADEMY

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GYA Publications

GYA Publications

Voices of Early Career Researchers in and out of the Academy: A Pan-African Perspective

This publication offers narratives that highlight the on-the-ground experiences of African Early-Career Researchers who are trying to navigate their careers while dealing with personal and work challenges and affordances. Due to their personal nature, the accounts can often speak to us in ways that statistical reports and summaries may not.

[Download here.](#)



Reviewing research on researchers: Our knowledge of early-career researchers in Latin America and the Caribbean

This working paper is a systematic review of 101 articles dealing with early-career researchers in Latin America and the Caribbean. The paper signals the most significant gaps in this body of literature, including empirical, methodological and conceptual issues, which we argue have influenced the present state of the evidence. This results in a clear agenda for future research.

[Download here.](#)



GYA Connections 9- COVID-10 and Human Vulnerability

In addition to introducing our awesome New Members, this issue explored how early-career researchers were dealing with the health implications of the pandemic, as well as the lockdowns that we were all facing. The A-Z of Hope feature presented 26 reasons to remain hopeful in times of difficulty, while our Women in Science group presented their 2020 publication "Motherhood in Science".

[Download here.](#)



GYA 2021 AGM and Conference Report

The full report from the GYA's 2021 online International Conference of Young Scientists and Annual General Meeting on the topic "Trust in Science" contains a message from the GYA Co-Chairs, and includes summaries, insights and links to session recordings from the International Conference panels.

[Download here.](#)

Yearly Report 2020

The historical occurrences of 2020 will be examined for years to come, but one thing is for sure – the vibrancy of the GYA community was evident throughout. Not only did the GYA quickly adopt a Statement and an Infographic with recommendations on how to stay safe and healthy, various members and Working Groups provided guidance to avoid contracting the disease itself, as well as how to deal with the unprecedented pressures that early-career researchers suddenly found themselves facing.

[Download here.](#)



Research assessments that promote scholarly progress and reinforce the contract with society

Members of the GYA working group on Scientific Excellence, together with ALLEA, jointly organised an online workshop entitled "Research assessments that promote scholarly progress and reinforce the contract with society".

The event raised key questions about the purpose and goals of research assessments.

[Download here.](#)



GYA Publications

GYA Connections 10 - Leadership

The themed articles explore the issue from various angles, including “Leadership skills in the scientific workforce”, and “Leading during the COVID-19 pandemic: Notes from Egypt”. Other articles feature past GYA Co-Chairs discussing their time leading the GYA, an article on combating “Hardcore science skepticism”, and a feature on our Science with Society project. The issue also introduces the 39 amazing members of our 2022 cohort!

[Download here.](#)



The Global State of Young Scientists in Latin America and the Caribbean: An Exploration of Constraints and Strategies

The Global State of Young Scientists in Latin America and the Caribbean: An Exploration of Constraints and Strategies analyses the experiences of early-career researchers from Latin America and the Caribbean to contribute to a better understanding of the social contexts in which they develop their careers.

[Download here.](#)



The World's Young Academies 2022

As part of the GYA's contribution to co-organizing the Triennial Conference of the InterAcademy Partnership and the Worldwide Meeting of Young Academies in 2022, the GYA developed this booklet to highlight the world's 54 National Young Academies as of October 2022. 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

[Download here.](#)

Back to basics: Scientists' perception on the global state of funding for fundamental research

This report delivers the outcomes of a survey of researchers from around the world on the state of our research system, specifically around researchers' perceptions on funding for fundamental, use-inspired, and applied science, how this has changed over time, and the potential consequences of current funding trends.

[Download here.](#)

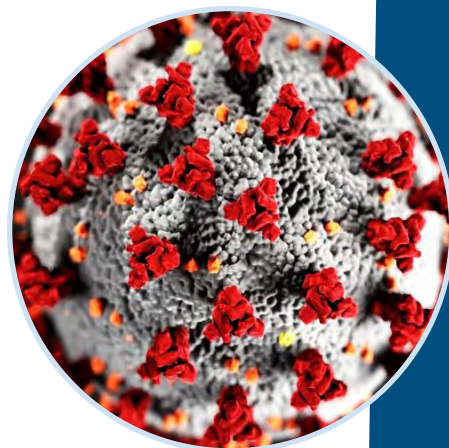


GYA Statements

Beyond Boundaries: A global message from young scientists on COVID-19

Governments must consider the best science available to make informed decisions, the public must act responsibly, and young researchers must recognise that they can be a crucial part of the solution. This GYA Statement delivers specific recommendations for governments, the public, and young researchers.

[Download here.](#)



GYA Women in Science stay and work from home: How might we make COVID-19 lockdown work for us?

This paper aims to share personal wins and approaches that have worked for the Women in Science working group during the times of lockdown and working at home, as well as home schooling. In addition, we argue that the only long-term solution is a global effort towards gender inclusivity and equality.

[Download here.](#)



GYA Anti-discrimination Statement

As a global science organization, we at the GYA re-commit to ensuring that our internal and external work combats racism and systemic bias resulting in discrimination in all its forms, across race, culture, religion, gender, sexual identity and orientation, socioeconomic status, caste, or physical ability. This Anti-discrimination Statement reaffirms our support to movements fighting racism and discrimination around the world.

[Download here.](#)



GYA 2020 Conference Statement: Heal the Earth

The GYA 2020 International Conference was a platform to discuss the interlinkages between various disciplines of science and explore how these connections can be harnessed to work towards the United Nations SDGs. With the detailed recommendations provided in this conference statement, the GYA reconfirms its commitment to excellent and innovative science and research, and to collaborative efforts to help solve challenges of present and future generations worldwide.

[Download here.](#)

GYA 2021 Conference Statement on Trust in Science

The full report and the Conference Statement from the GYA's 2021 online International Conference of Young Scientists and Annual General Meeting on the topic "Trust in Science" contains a message from the GYA Co-Chairs, and includes summaries, insights and links to session recordings from the International Conference panels.

[Download here.](#)



Reducing the impact of COVID-19 on inequalities in higher education: A call for action to the international community. Joint Communiqué of the InterAcademy Partnership and the Global Young Academy

This communiqué highlights some of the most pressing challenges and opportunities for higher education systems globally surrounding inequalities, and includes recommendations to harness the lessons learnt during the pandemic to reduce the long-term impacts of COVID-19 on higher education systems.

[Download here.](#)



GYA Statements

GYA Statement on violence in Iran

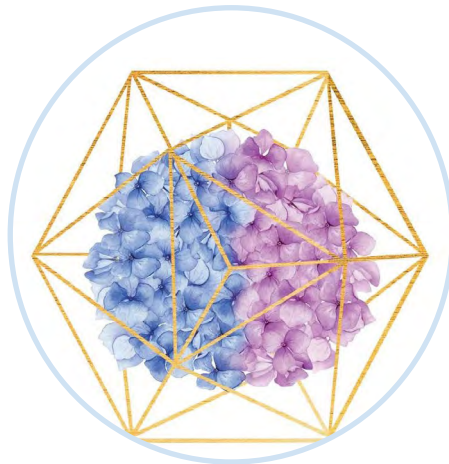
The GYA calls for the full respect of the independence and freedom of science in Iran, which is globally accepted and enshrined in the right to science in Article 15 of the International Covenant on Economic, Social and Cultural Rights, which Iran has ratified. As a global group of early-career researchers – 50 percent of whom are female – the GYA are especially in solidarity with the many brave women who demonstrate under the slogan “Women, Life, Freedom” .
[Download here.](#)



GYA Statement on Russia’s war in Ukraine

The GYA calls on all universities, institutes, and academic institutions around the world to open their doors to students, researchers, and academics from Ukraine, and to uphold scientific collaborations with Russian scholars.

The GYA supports science diplomacy for the global endeavours of science and scholarship, and in support of individuals pursuing research, often already under restricted conditions.
[Download here.](#)



Fukuoka Declaration

In June 2022, the GYA, in collaboration with the Young Academy of Japan, convened its members and alumni along with early-career researchers, students, and science policy stakeholders from around the world to discuss ways to transcend disciplinary silos, spark a global interdisciplinary dialogue to reform the science system, and re-think the contribution of science to society. The Fukuoka Declaration outlines the actions needed to change the relationship between society and science.
[Download here.](#)

GYA Declaration of Support for Afghan Scholars

The members and alumni of the GYA urge governments, universities and scientific organisations to take immediate action to secure the lives and careers of Afghanistan’s scholars and students. A particular focus is necessary to protect women, children, and at-risk groups. We support and encourage action by National (Young) Academies and scientific communities around the globe to protect the scientific and educational achievements that have been realised in Afghanistan.
[Download here.](#)



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About the Global Young Academy

The vision of the GYA is *science for all; science for the future*, and its mission is to give a voice to young scientists and researchers around the world. The GYA, founded in 2010, is an independent science academy of 200 outstanding early- to mid-career researchers from six continents who are selected from across disciplines based on their academic excellence and commitment to engage with society. GYA members serve five-year terms, and the GYA presently counts members and alumni from 100 countries. The GYA administrative Office is publicly funded and hosted at the German National Academy of Sciences Leopoldina. The wide array of GYA activities are supported by a range of international public and private funders. This publication was made possible with the help of GYA's core funding from the German Federal Ministry of Education and Research and the German State of Saxony-Anhalt.

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Prosper Ngabonziza
(Louisiana State University, United States)

Managing Director: Beate Wagner (Germany)



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