

FALLING  
WALLS  
ENGAGE

# FALLING WALLS ENGAGE RECAP 2022

Founding Partner



Global Partner



Network Partners



# OVERVIEW

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FALLING  
WALLS  
ENGAGE

**ACHIEVEMENTS 2022**

# ACHIEVEMENTS 2022

## COMMUNITY

500+ core community member

3.300+ network member

1.300+ scouted projects/organisations in our database

360 new scouted contacts

40+ Falling Walls Engage events

80+ contacts on World Engagement Map

## HUBS

3 Hub Launches

9 Embedded Hubs

9 Regional Hub Managers

30+ Hub Events

500+ Hub Participants

## PITCHES

193 Applications from 66 Countries

34 Nominations from 21 Countries (15 Applied)

20 Winners from 17 Countries

14 Judges from 10 Countries

150 Physical Participants

6.816 Livestream Views

## COMMUNICATIONS

49.200+ Engage Webpage Views

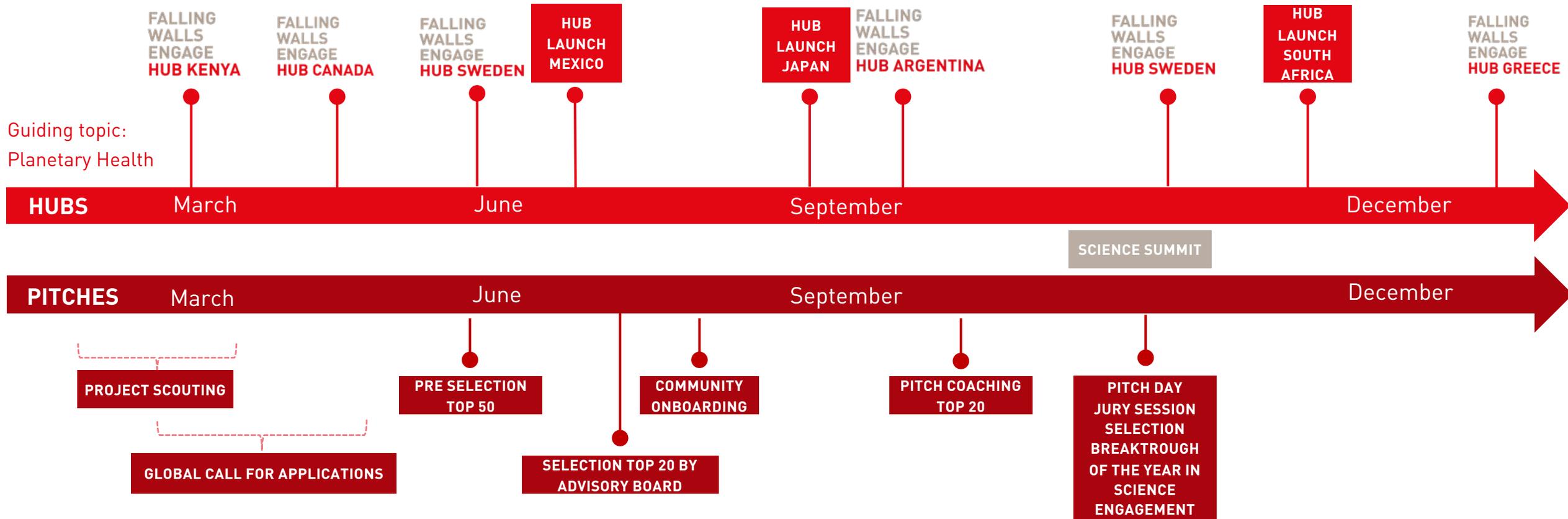
42.000+ Followers on all Falling Walls Social Media Channels

370+ Followers on Engage Twitter (Launched July 2022)

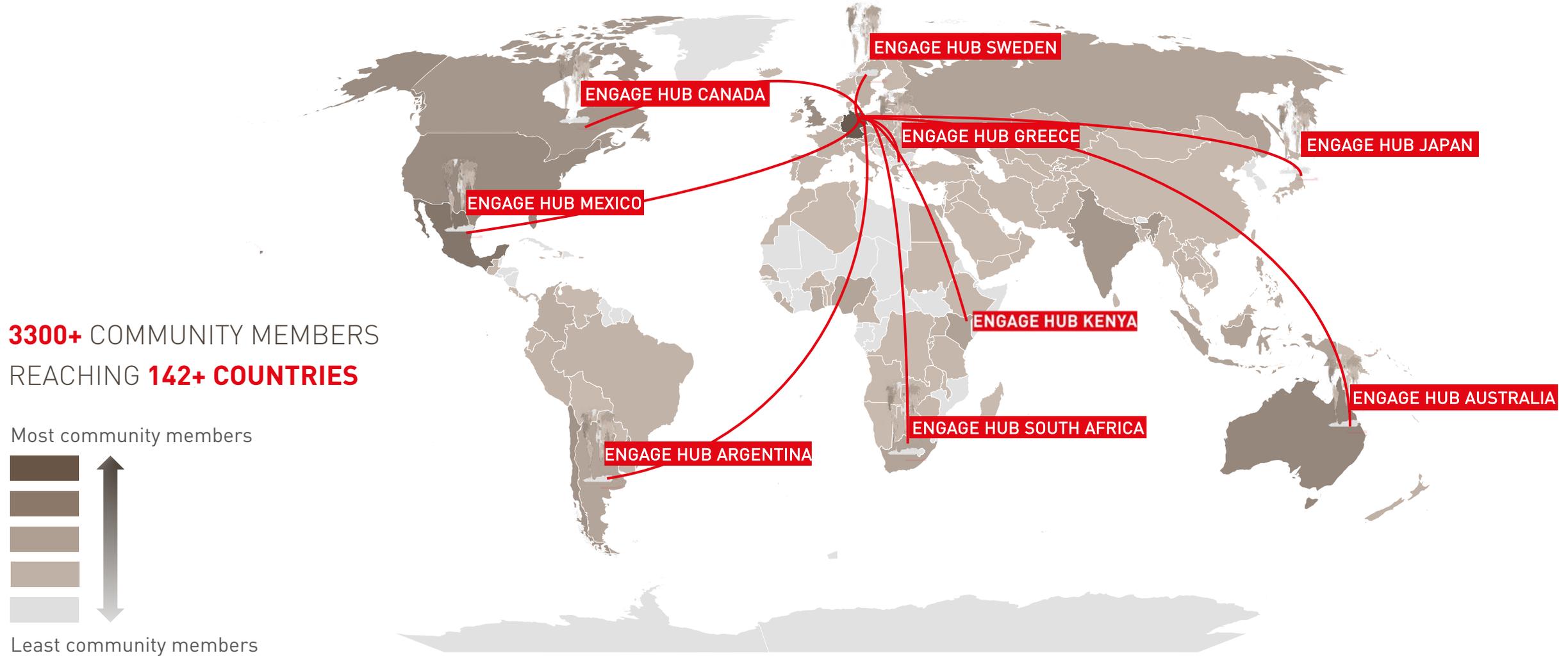
90+ SuperHive Members (New Community Tool)

16 Newsletters

# FALLING WALLS ENGAGE JOURNEY 2022



# COMMUNITY AND NETWORK MEMBERS





# PROJECT SCOUTING

## PROJECT SCOUTING

# GLOBAL REACH

The project scouting aims to identify relevant projects, organizations, and networks for integration into the community. Additionally, for the first time we have scouted media contacts in the region to spread the idea of Falling Walls Engage and have a higher global reach.

In 2022 we reached out to **35** countries (ASEAN, Central America & Caribbean, Oceania & Pacific Islands).

**138** new projects from **33** countries (only one project was scouted before); among these Brunei, Cambodia, Guam, Myanmar, Laos, Samoa, Singapore, Solomon Islands and Vanuatu from which Falling Walls Engage never received an application before.

**111** new local and regional organisations from **13** countries

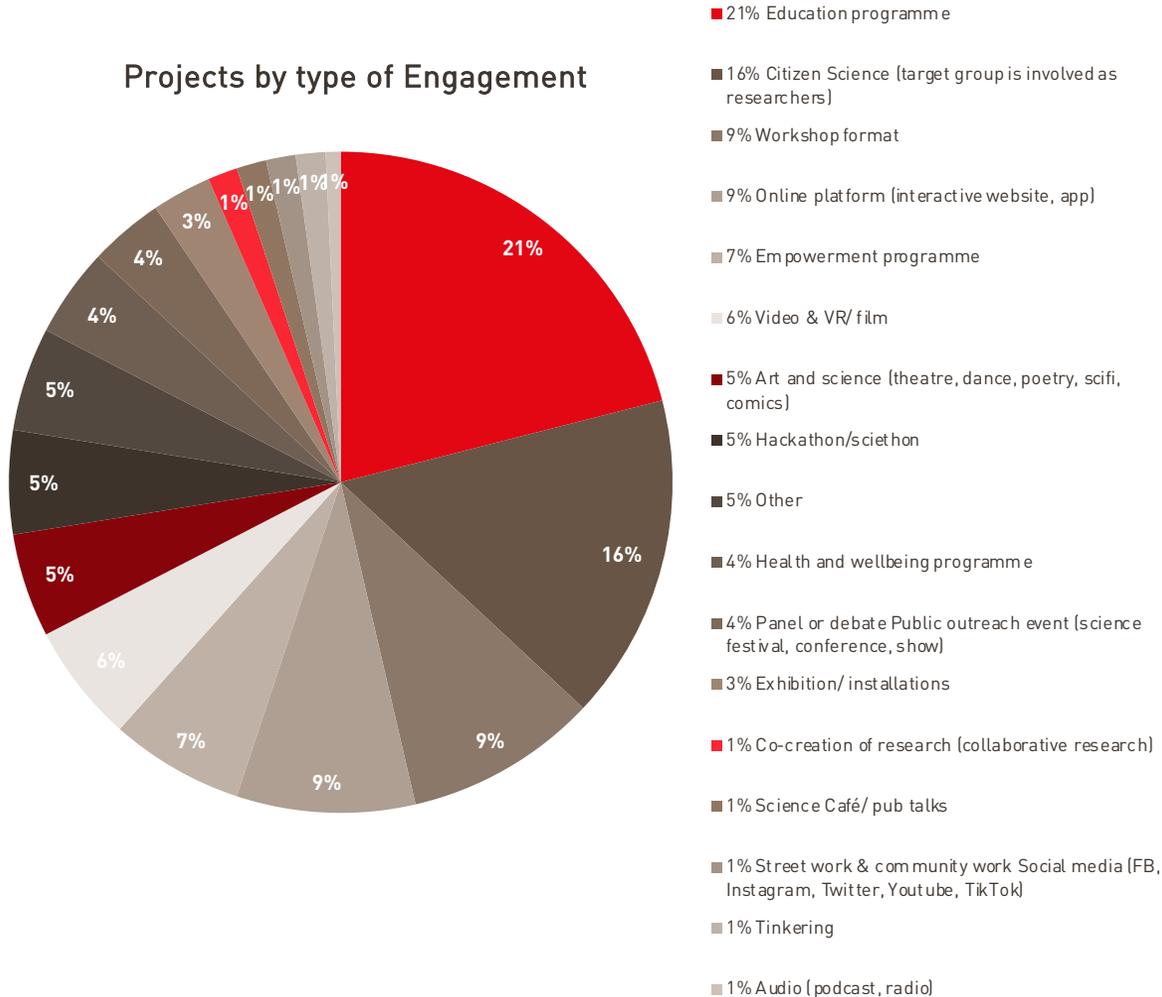
**109** media contacts with focus on science and/or science communication from **12** countries

Within the three years of scouting activities (2020-2022) on all continents we scouted **667** projects from **80** countries and **595** organisations from **67** countries.

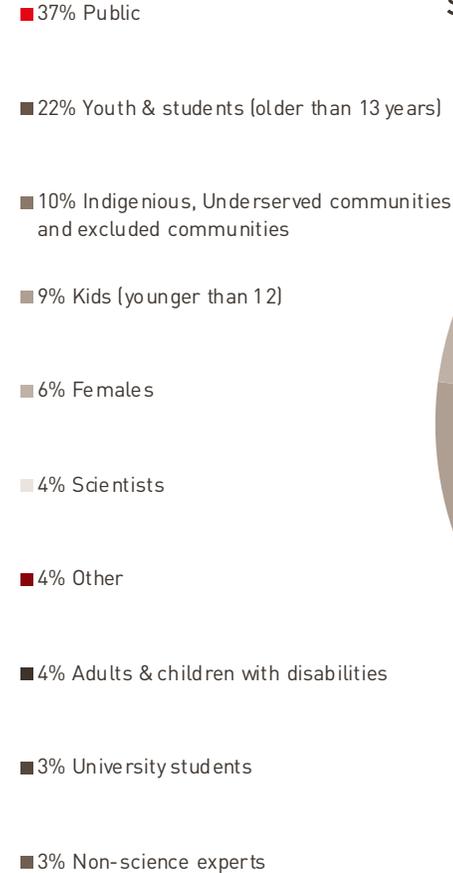
We now have a very large database with **1.300** local and regional projects / organizations through the project scouting of the last 3 years and will invite them to Hub events and on the World Engagement Map.

# PROJECT TYPES & TARGET GROUP

Projects by type of Engagement



Scouted projects by main target group



## PROJECT SCOUTING

# EXAMPLES

### EXEMPLARY PROJECTS

**SONJO** (Indonesia) is an empowerment programme that focuses on helping vulnerable and at risk of being affected by Covid-19 citizens in the Special Region of Yogyakarta. SONJO stands for Sambatan Jogja. The term sambatan itself implies a form of mutual cooperation mostly done in rural areas in Java to build houses or public facilities. SONJO uses WhatsApp Group (WAG) as the main medium in coordinating various programs and stakeholders (from public policy experts to volunteers). <https://sonjo.id/en/introduction-to-sonjo>

**Science Circus Pacific** (Samoa & Fiji) Science Circus Pacific (SCP) is a pioneering STEM communication and education capacity building project with a focus on underserved communities. SCP's change model involves dynamic partnerships with Pacific governments and institutions (universities, NGOs, community organisations, etc.) based on strong people-to-people links both with executive decision makers and frontline staff and volunteers. <https://cpas.anu.edu.au/research/research-projects/science-circus-pacific>

### EXEMPLARY ORGANISATIONS

**Borneo Futures Sdn Bhd** (Brunei) Established in 2015, they engage with projects focused on innovative science that informs the practices and policies of environmental management in tropical forest areas. The work by the Borneo Futures company builds on the studies conducted through the Borneo Futures initiative, by implementing pilot programs for key stakeholders in natural resource companies, banks, government institutions, and rural communities. <https://www.borneofutures.org/>

**Australian National Centre for the Public Awareness of Science (CPAS)** at ANU was the first science communication centre in Australia and is now the most diverse of its kind in the world. They call themselves as global leaders in the field, developing methods to encourage informed decisions about the big scientific issues. The Centre's mission is to encourage a confident democratic ownership of modern science nationally and internationally by increasing science awareness in the community, fostering public dialogue about science, and improving the communication skills of scientists. <https://cpas.anu.edu.au>



# CASCADING DEBATES

# GENERAL

In 2022 we developed the format of Cascading Debates to **enmesh communities in original ways and integrate global and diverse perspectives into discussions** taking place at the Falling Walls Science Summit. The format is an opportunity to facilitate **discourse around global challenges and the United Nations Sustainable Development Goals (SDGs)**. The format's aim is to create cycles of debates by cascading perspectives from local communities into structured discussions with multiple stakeholders.

We reached **500+ people in 10 events and 10 countries** during the first trial run. All Falling Walls Engage Hubs discussed topics around **Planetary Health** with invited experts and reflected on the role of Science Engagement within Planetary Health. Besides that, three local partners from the network-initiated debates discussed with local stakeholders on **Planetary Health issues in Geneva, Bengaluru, and Kigali**. Those perspectives then have influenced the scope of our **Plenary Table on Planetary Health on 8 November 2022**, where we discussed the local and regional perspectives with global leaders and decision makers to in the end influence actions being taken.

## CASCADING DEBATES

# EVENTS

Date	Partner	Location	Type	Topic	Participants	Comment
22.03.22	Mawazo Institute, Hub Kenya	Nairobi, Kenya	digital	Eastern Africa Challenges & Opportunities to Planetary Health	50 attendees, 25 viewers	Held from Nairobi (Kenya), but with participants across the world
02.05.22	McGill University, Hub Canada	Montreal, Canada	physical	Symposium for Science Engagement: Communicating the Urgency of Planetary Health	40 participants	23 organisations represented from 6 countries (Canada, Chile, Argentina, Columbia, Germany, Mexico)
04.05.22	Foraus – Forum Aussenpolitik	Geneva, Switzerland	physical	Zoonoses, AMR, food safety & security threats: how can “One Health” prevent them in 2050? Let’s test it!	30 participants	Held during Geneva Health Forum
30.06.22	Autonomous Metropolitan University (UAM), Hub Mexico	Mexico City	physical	SCIENCE ENGAGEMENT AND PLANETARY HEALTH IN DIALOGUE	20 participants	7 countries represented
14.07.22	Bengaluru Science Gallery Network	Bengaluru, India	digital	Earth 2052: Hot or Not	33 participants	part of the HOT AND BOTHERED: Science Gallery Youth Symposium 2022
16.07.22	Bengaluru Science Gallery Network	Bengaluru, India	physical	Black Coal / White Cube	44 participants	part of the HOT AND BOTHERED: Science Gallery Youth Symposium 2022
26.09.22	Hub Australia	Montreal, Canada	digital	Presentation of Future Earth report - National Strategy for Just Adaptation		-Online workshop on Planetary Health (3 speakers)
6.-7.10.22	5th INSIST Conference 2022	Berlin, Germany	Interactive session	Communicating Science and Technology – Controversy, Dialogue and Participation	20 participants	goal to disseminate and co-design the format with experts from similar methodological fields
16.-18.10.22	World Health Summit 2022	Berlin, Germany	Physical,	inspiration session, with the goal to engage multiple stakeholders with stories, ideas and experiences on the Planetary Health topic, and create a space to brainstorm on innovative and co-creational joint endeavors to address the topic	100 participants	Different presentations, the topic of cascading debates was just briefly covered
8.11.2022	Falling Walls Science Summit	Berlin, Germany	<p><b>PLENARY TABLE</b>  <u>From Evidence to Action: Restoring Planetary Health with Science and Collaboration</u>            (8 NOV, 4-5PM CET)            The role of research and the application of science will be fundamental to our health and the health of the planet. In many cases, solutions are close to hand. Their development and application must now be accelerated to turn evidence into action.            This Table will focus on the ways in which that acceleration can be shaped and driven by policy, perception and societal change to foster planetary health action. It will explore scientific leadership and engagement and its central importance to unlocking solutions. This Table is organised together with the Frontiers Research Foundation. The Cascading Debates are supported by the Moore Foundation.  <b>Goal:</b> The resulting perspectives from this Plenary Table will be integrated in a report to be launched in the beginning of 2023// will be incorporated into policy recommendations on Planetary Health.  <b>Confirmed panelists:</b> Jean-Claude Burgelman, Frontiers Research Foundation, Patrick Cramer, Max Planck Society, Felix Dapare Dakora, African Academy of Sciences, Phaedra Henley, UGHE’s Center for One Health, Phoebe Koundouri, School of Economics and Director of ReSEES, ATHENS UNIVERSITY OF ECONOMICS AND BUSINESS  <b>Moderator:</b> Nicole de Paula, IASS Potsdam</p>			



**FALLING WALLS ENGAGE  
HUBS**

# FALLING WALLS HUB NETWORK

## The existing 9 Falling Walls Engage Hubs are:

- Locally embedded network nodes within one+ institution related to science and/or academia in the fields of Science Communication/Engagement, and globally connected through the Hub network.
- Driven by local Hub Managers who have a wide and diverse network in their country/region. They are motivated to develop and (self-)sustain the network and nodes towards societal change.
- A place to co-create, build relational leadership and drive global impact.

## The Falling Walls Engage Hubs aim to:

- Foster local dialogue including all stakeholders involved to identify challenges related to Planetary Health, co-create solutions, and act together.
- Identify best-practice community engagement to collect evidence and scale globally.
- Activate scientists in the field of Planetary Health and foster multidisciplinary collaborations.
- Promote capacity-building in co-creation and dialogue related skills.

# HUB MANAGERS

## HUB CANADA

BRETT HOOTON, Communications and Operations at McGill University

## HUB ARGENTINA

OSCAR CONTRERAS-VILLARROEL (Winner 2020, 2021), President at Fundación Ciencia Joven

## HUB GREECE

THEO ANAGNOSTOPOULOS (Winner (2018, 2019, 2022) and Finalist (2020, 2021), SciCo



## HUB KENYA

KARI MUGO (Jury 2022), Public Engagement Lead at Mawazo Institute

## HUB MEXICO

GABRIELA DE LA TORRE (2020 Finalist, 2021 Winner, 2022 Advisory Board), General Director of Programa Adopte un Talento (PAUTA)

## HUB AUSTRALIA

PAUL RICHARDS (Jury 2021), Director of Communications and Outreach at the Australian Academy of Sciences (AAS)

## HUB JAPAN

THILINA HEENATIGALA (Jury 2022), Director of Communications, Tokyo Institute of Technology Earth-Life Science Institute (ELSI)

## HUB SWEDEN

MARIA HAGARDT International Relations & Communications Manager at Vetenskap & Allmänhet (VA)

# LAUNCH OF THE HUB MEXICO

**HUB MANAGER:** Gabriela de la Torre, General Director of Programa Adopte un Talento (PAUTA).

**DATE & LOCATIONS:** 29 June to 2 July 2022 in Mexico City & Santiago de Querétaro.

**OBJECTIVES:** We gathered perspectives from Mexico and the region and explored challenges and opportunities in Science Engagement with leading institutions in Mexico City and Santiago de Querétaro. We invited practitioners and researchers to exchange on best practices and recommendations to engage on Planetary Health.

**CO-HOSTS, COOPERATION & EVENT PARTNERS:** 10 partners, including:

- The Directorate for Communicating Knowledge at the Metropolitan Autonomous University (UAM)
- The National Autonomous University of Mexico (UNAM)
- C3 – Center for Complexity Sciences (UNAM)
- The Council of Science and Technology of the State of Querétaro (CONCYTEQ)

**EVENTS:** 8 panels and workshops, 5 networking activities during 3,5 days.

**PARTICIPANTS:** 20 Hub participants from 7 countries (Mexico, Argentina, Chile, Brazil, Canada, USA, UK); 26 speakers (researchers & Science Engagement practitioners); 60 external students and scientists; 63 school children from rural areas in Querétaro. Various Mexican regions were represented, i.e the states of Jalisco, Chiapas, Puebla, Veracruz & Chihuahua.

**TO READ MORE:**

<https://falling-walls.com/discover/articles/building-connections-dialogue-science-engagement-mexico/>



# LAUNCH OF THE HUB MEXICO

Falling Walls is an oasis for those of us who dedicate ourselves to science outreach activities and work to create dialogues with art and other areas of the humanities. I learned a lot about working with communities, how to put this into practice in our activities. Beyond what I was able to share and connect with other participants, and I feel completely encouraged to continue working and generating community with other colleagues.

You can write about Latin America and the Caribbean without seeing them. But once you get to know the people, the places, the science engagement scenarios of Mexico and the research being done, a whole new world pops up. This experience was life-changing.

The most enriching thing for me was to meet people from different countries who are very passionate and committed to promoting initiatives that strengthen science engagement in the region and generate positive changes in their communities. Also, it highlighted the diversity of projects, themes and target audiences. There is no doubt that this opens many doors to be able to do great things together and strengthen international cooperation networks.

# LAUNCH OF THE HUB JAPAN

**HUB MANAGER:** Thilina Heenatigala, Director of Communications and Associate Professor, Earth-Life Science Institute (ELSI), Tokyo Institute of Technology.

**DATE & LOCATIONS:** 17 to 21 October 2022 in Tokyo & Okinawa.

**OBJECTIVES:** We explored the state of Science Engagement in Japan and challenges and opportunities for the internationalisation of the field. The event fostered mutual exchange and learning between Japanese and international practitioners, scientists, policy-makers and students.

**HUB CO-HOSTS, COOPERATION & EVENT PARTNERS:**

6 partners, including:

- Japan SciCom Forum
- Okinawa Institute for Science and Technology (OIST)
- EurekAlert! (AAAS)
- International Astronomy Union Office for Astronomy Outreach
- National Astronomical Observatory of Japan (NAOJ)
- Miraikan - The National Museum of Emerging Science and Innovation

**EVENTS:** 3 core events, 2 partner events & 2 visits of science organisations.

**PARTICIPANTS:** 6 Hub participants from 6 countries; 42 physical attendees at the Hub launch event (ELSI); 25 organisers & speakers onsite at the Japan SciCom Forum in Okinawa & 100+ online participants per session. 77 online participants attended the panel discussion on Science Engagement hosted by Falling Walls Engage at the Japan SciCom Forum on 21.10.2022.



# LAUNCH OF THE HUB JAPAN

I found it really interesting to learn about how the communications structure works in Japan. In particular, the fact that communications structures are led by academics, that there's a burgeoning practitioner scene, that comm's offices are largely split by domestic/international tasks and, more than anything, that continuity is a challenge because the administrative pool rotates every two years.

I have passed along some of the contacts to my colleagues at our institute for earth and space exploration. (...) I will keep my eyes open for intersections moving forward. Thanks to the Hub, the doors have been opened.

I am an international early career researcher based in Japan. This was my first conference focused on science engagement in Japan. My main takeaway is the importance of relationships. To communicate science or even engage with the audience on scientific matters, one needs to create a relationship. I also appreciate when efforts are made towards diversity in the science arena. This Hub event was a great learning opportunity and I will continue to follow up on contacts made as opportunities arise.

# LAUNCH OF THE HUB SOUTH AFRICA

**HOST INSTITUTION:** University of the Western Cape (UWC), with the support of Prof. Jacqueline Goldin, Falling Walls Engage Winner 2021.

**DATE & LOCATION:** 28 to 29 November 2022 in Cape Town.

**OBJECTIVES:** The programme was woven around the four elements – **Fire, Water, Air and Earth** – each thematic area providing a gateway to discuss projects, opportunities and challenges for engaging with communities, and reflect on the role of science in South Africa.

**TOPICS:** Agrarian justice, alternative energies, water and food security, sustainable agriculture and biodiversity, indigenous knowledge and identities, human-animal relations, healthcare, access to STEM education, as well as institutionalisation, funding and impact in Science Engagement.

**PANEL CO-HOSTS & ORGANISATIONS REPRESENTED:** +15 organisations, including

- The Future Water Institute, University of Cape Town
- Planetary Health East Africa Hub (PHEAH)
- Phillipi Horticulture Area cooperative
- Stellenbosch University
- University of the Witwatersrand
- University of Pretoria
- South African National Research Foundation (NRF)
- South African Agency For Science and Technology Advancement (SAASTA)

**EVENTS:** 4 panels & group discussions and 1 partner workshop. The Hub event was also embedded in the Connectors' workshop of our network partner MESH focusing on Science Engagement and Health (21-22.11.2022); the Global Health Network Conference (24-25.11.2022); and a two-day training from our network partner the Berlin School of Public Engagement and Open Science (01-02.12.2022).

**PARTICIPANTS:** Around 50 participants (in-person) and 25 online participants – incl. 6 international participants from 6 countries.



# LAUNCH OF THE HUB SOUTH AFRICA

The discourse and practice around Community Engagement and Public Engagement is incredibly advanced as communities bring their lived experience and expertise to tackle Planetary Health issues that are felt at a local level. I want to continue to pursue collaborations to foster knowledge exchange across our nations.

I had an amazing time and was very grateful to have been afforded the opportunity to attend. A very insightful event, especially in the field of water. I took away a new - and I think quite profound - insight into the importance of engagement with the public on scientific and social matters.

The Hub event serves as a great opportunity to network with researchers, practitioners, funders and community leaders from across Africa and abroad doing incredible work in the science engagement space. I am hopeful that the connections made at the Hub event will result in several collaborations that will promote the establishment of science engagement as a profession and integral part of research practice on the Africa continent.

I attended part of Fire Panel and the whole of Water Panel at UWC. I found these inspiring and informative. I am neither an academic nor a scientist, yet I learnt a great deal during the course of my participation in the discussion.

# HUB EVENTS 2022

## Hub Kenya, 22 March 2022

- The Hub started with a virtual webinar on Planetary Health with Melvin Anyango from the Planetary Health Eastern Africa Hub (PHEAH) to explore the specifics of Kenya and the Eastern African region. This event was organised as part of Mawazo Institute's *Climate Week* in Nairobi. **55 online participants.**
- Science Quiz Night "*It's Getting Hot in Here*": an exciting event to engage audiences with the topic of ocean health and climate change on Eastern Africa's coastline, with marine scientist Dr. Fiona Moejes and media personalities, Wanjira Longauer and Georgie Ndirangu. **50 onsite participants.**

## Hub Canada, 2 May 2022

The symposium „*Communicating the Urgency of Planetary Health*“ gathered science and environment writers and outreach professionals for a day of workshops, networking, and presentations at McGill University to discuss the challenges they face in supporting Planetary Health, and the potential for change through Science Engagement. **40 onsite participants, representing 6 countries and 23 organizations.**

## Hub Argentina, 30 October 2022

A day of exchange on Science Engagement and Planetary Health with experts and practitioners from the science dissemination, citizen participation & science policy ecosystems to exchange on experiences and best practices in their fields. **20 onsite participants (12 experts and practitioners & 6 science students).**

## Hub Sweden, 14 November 2022

"*New perspectives, future possibilities - Nordic Baltic SciComm trends and initiatives*": this symposium in Stockholm reunited leading Nordic Baltic science organisations representatives to discuss trends and best practices, prior to the the National Forum for Science Communication (FFF 2022), including national research councils, academies of sciences and universities. **26 onsite participants from 9 countries.**



Hub Canada in Montreal



Hub Argentina in Buenos Aires



Hub Kenya in Nairobi

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Home » Air pollution kills 16,000 Ghanaians annually: says new World Bank study

ENVIRONMENT

### Air pollution kills 16,000 Ghanaians annually: says new World Bank study

BY EDITORIAL STAFF - SEPTEMBER 25, 2021

NO COMMENTS 0 VIEWS



A RECENT study by the World Bank concluded that at least 16,000 Ghanaians die prematurely each year from the effects of air pollution.



Countries that lost most rainforest in 2018 by % increase from 2017\*



FALLING WALLS ENGAGE  
PITCHES

FALLING WALLS **ENGAGE PITCHES**

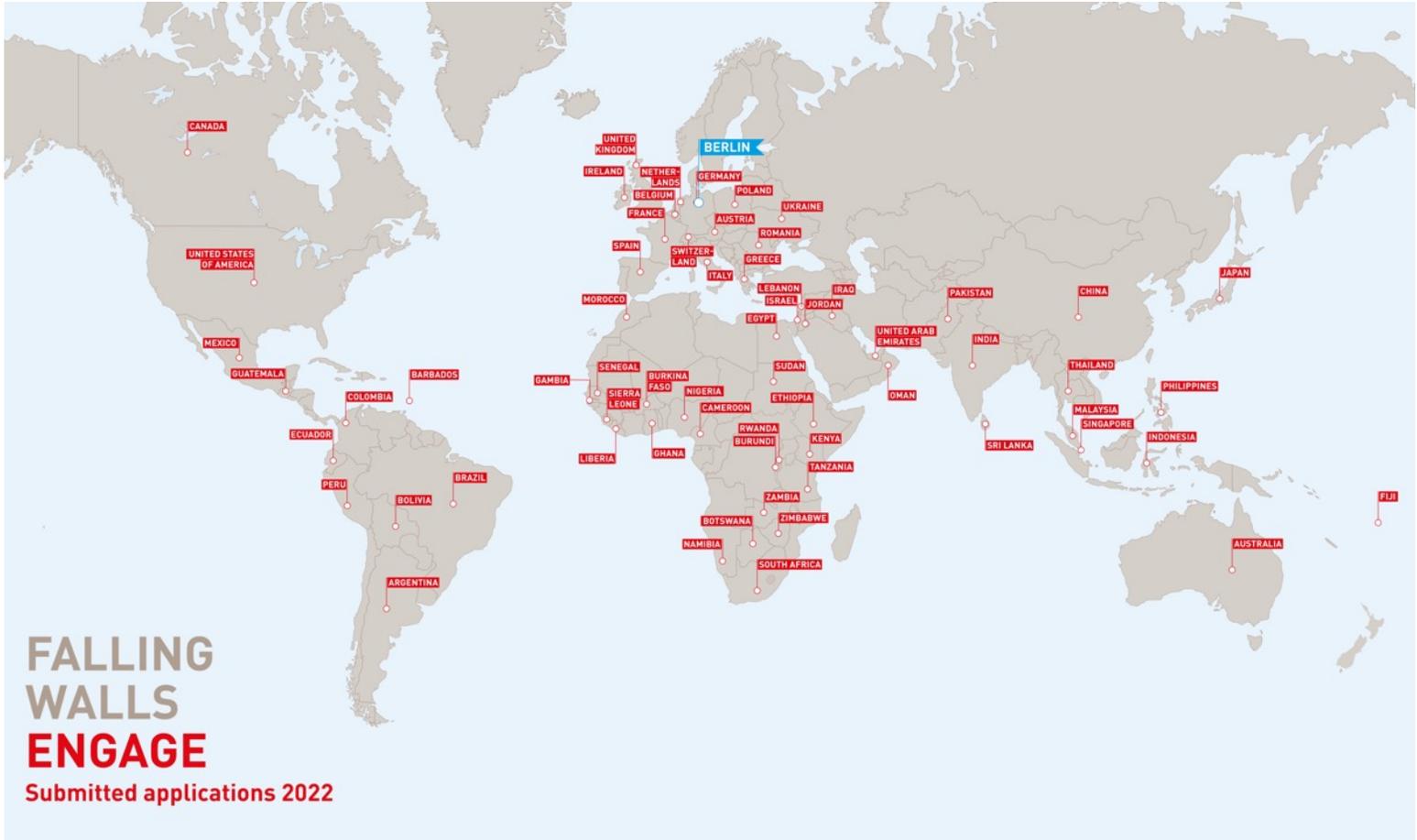
# APPLICATIONS

193 applications from 66 countries

60,62% of the applications from the Global South

52% tackle the topic of Planetary Health

First applications from Gambia, Lebanon, Liberia, Poland, Singapore, Sudan, United Arab Emirates

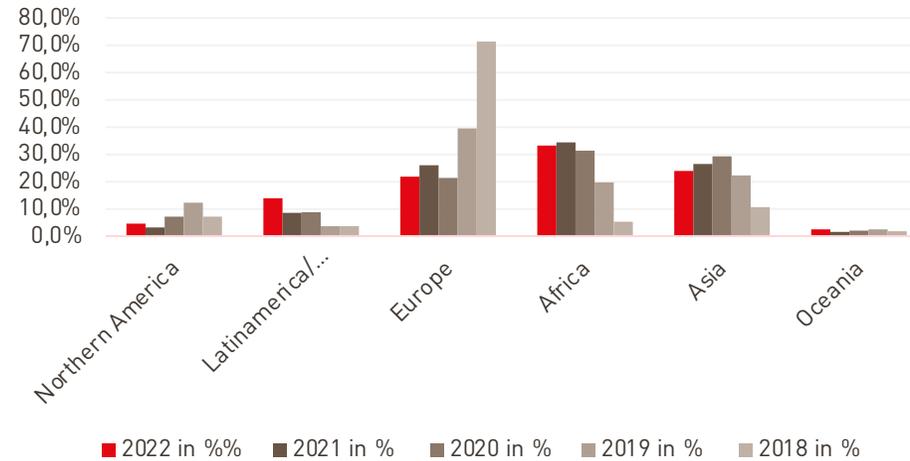


# APPLICATIONS REGIONS

Applications 2018 – 2022 by regions & total numbers

	Total %	2022 in %	2021 in %	2020 in %	2019 in %	2018 in %
<b>Northern America</b>	<b>6,5%</b>	<b>4,7%</b>	<b>3,2%</b>	<b>7,1%</b>	<b>12,3%</b>	<b>7,1%</b>
<b>Latinamerica/ Caribbean</b>	<b>7,4%</b>	<b>14,0%</b>	<b>8,5%</b>	<b>8,8%</b>	<b>3,7%</b>	<b>3,6%</b>
Caribbean	0,9%	0,5%	1,1%	1,3%	0,0%	0,0%
Central America	1,8%	5,2%	3,7%	0,8%	1,2%	0,0%
Southamerica	4,8%	8,3%	3,7%	6,7%	2,5%	3,6%
<b>Europe</b>	<b>30,4%</b>	<b>21,8%</b>	<b>25,9%</b>	<b>21,3%</b>	<b>39,5%</b>	<b>71,4%</b>
Northern Europe	10,6%	4,7%	9,0%	7,1%	17,3%	21,4%
Western Europe	12,2%	10,4%	6,3%	9,2%	12,3%	44,6%
Eastern Europe	3,9%	2,6%	7,4%	2,1%	3,7%	0,0%
Southern Europe	3,7%	4,1%	3,2%	2,9%	6,2%	5,4%
<b>Africa</b>	<b>28,1%</b>	<b>33,2%</b>	<b>34,4%</b>	<b>31,4%</b>	<b>19,8%</b>	<b>5,4%</b>
Eastern Africa	9,0%	6,2%	9,0%	11,7%	7,4%	0,0%
Middle Africa	1,6%	1,6%	3,2%	1,3%	0,0%	0,0%
Southern Africa	3,4%	4,1%	4,8%	3,8%	0,0%	1,8%
Northern Africa	4,6%	3,6%	2,6%	5,4%	8,6%	1,8%
Western Africa	9,6%	17,6%	14,8%	9,2%	3,7%	1,8%
<b>Asia</b>	<b>25,5%</b>	<b>23,8%</b>	<b>26,5%</b>	<b>29,3%</b>	<b>22,2%</b>	<b>10,7%</b>
Central Asia	0,5%	0,0%	1,6%	0,0%	0,0%	0,0%
Eastern Asia	0,7%	2,1%	2,1%	0,0%	0,0%	0,0%
South-eastern Asia	4,4%	5,7%	6,3%	4,2%	2,5%	1,8%
Southern Asia	12,4%	10,4%	12,7%	15,1%	8,6%	5,4%
Western Asia	7,4%	5,7%	3,7%	10,0%	11,1%	3,6%
<b>Oceania</b>	<b>1,9%</b>	<b>2,6%</b>	<b>1,6%</b>	<b>2,1%</b>	<b>2,5%</b>	<b>1,8%</b>
Australia/New Zealand	1,4%	2,1%	1,1%	1,7%	1,2%	1,8%
Micronesia	0,0%	0,0%	0,0%	0,0%	0,0%	0,0%
Melanesia	0,4%	0,5%	0,5%	0,0%	1,2%	0,0%
Polynesia	0,2%	0,0%	0,0%	0,4%	0,0%	0,0%
<b>total No. of applications</b>	<b>758</b>	<b>193</b>	<b>189</b>	<b>239</b>	<b>81</b>	<b>56</b>
<b>total No.of countries</b>	<b>107</b>	<b>66</b>	<b>79</b>	<b>72</b>	<b>44</b>	<b>20</b>

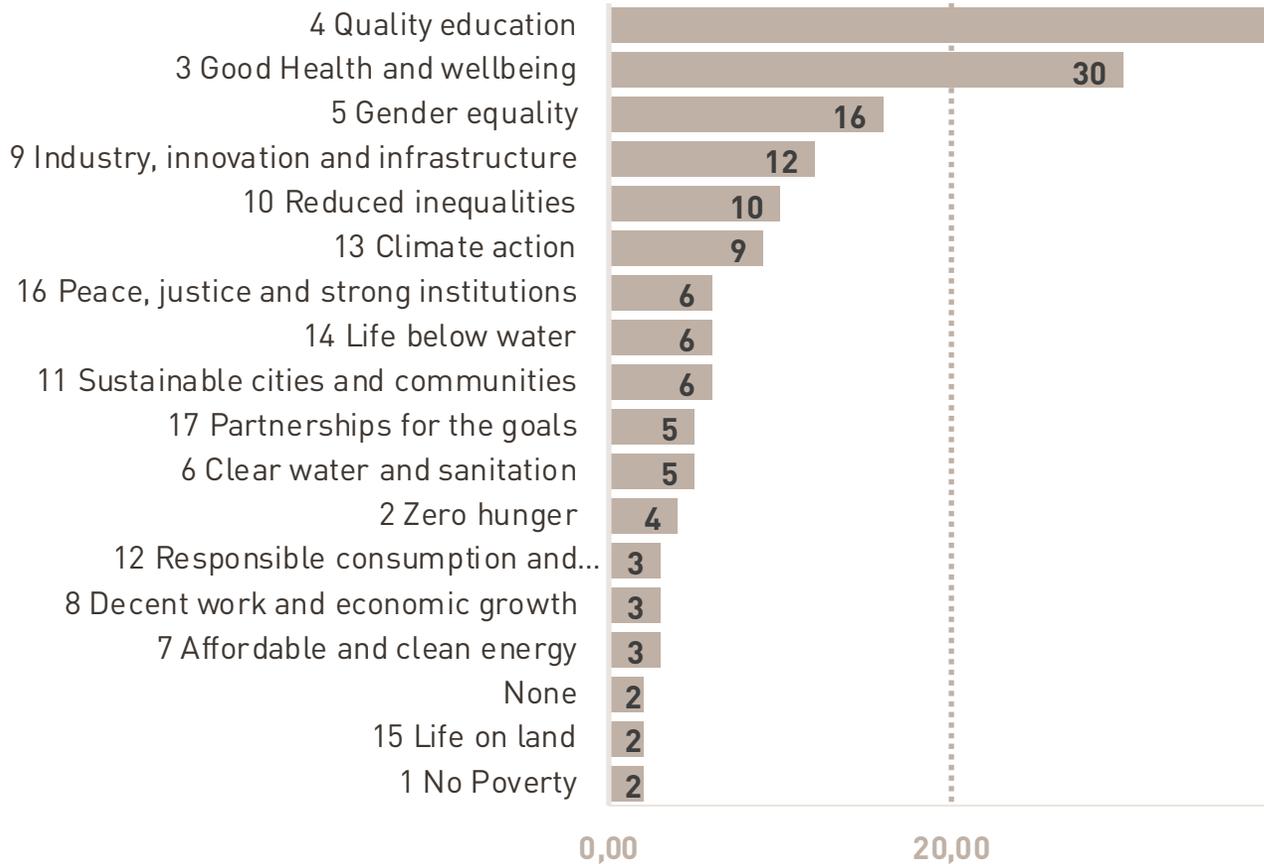
Applications 2018 - 2022 in %



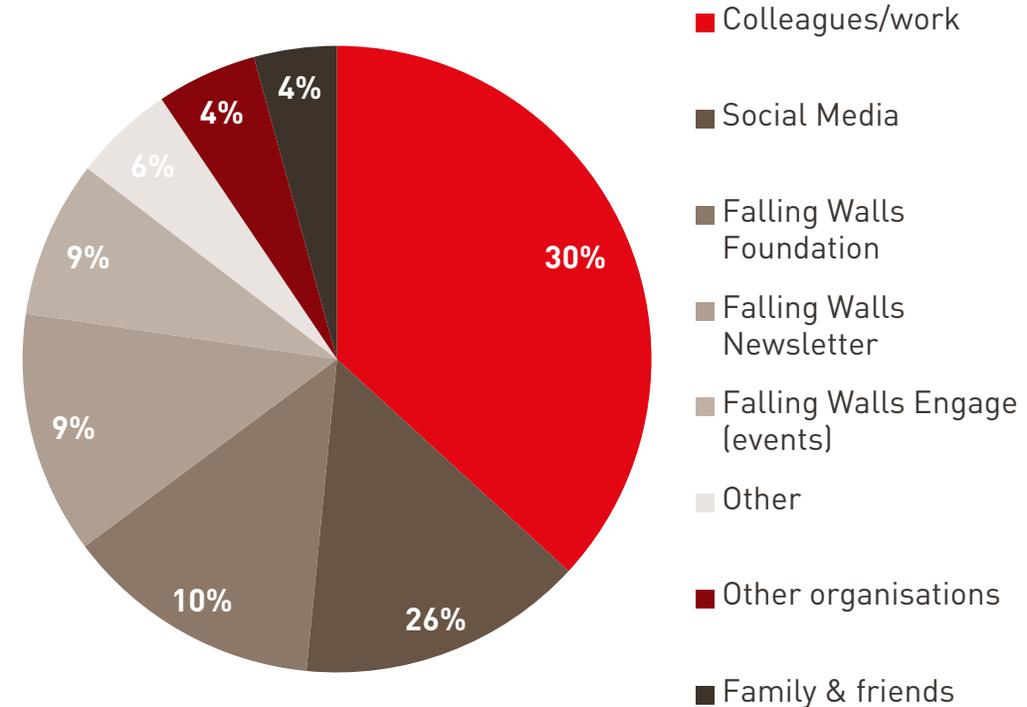
In 2022 we have increased the percentage of applications from Latin-American/Caribbean and from Oceania but received less from Europe. Applications from the other regions stayed constant. 62% of the applications came from the Global South.

# APPLICATIONS SDG'S

Applications by SDG's



How did you hear about Falling Walls Engage?



# SELECTION PROCESS & TIMELINE



## SELECTION CRITERIA

(for applicants, advisory board & jury)

### Impact

Initiatives with measurable outcomes and long-term impact on its target group

### Approach

Participatory and involving formats of all levels: from public panels to arts-driven or entertaining approaches, or co-productive research.

### Transferability

Exemplary initiatives from all over the world with a transferable and/or scalable approach that generates mutual learning and mutual benefits for science and its target group.

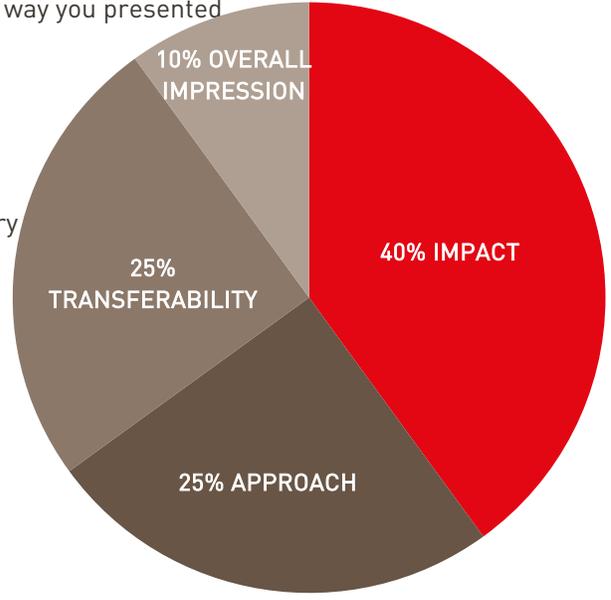
### Overall impression

Structure and quality of application.  
On 7 Nov: Structure and quality of pitch presentation on stage.

Would you fully understand your initiative as an outsider through the way you presented your project?

Is your project exemplary via a transferable/scalable approach?

Does your initiative have measurable outcomes and long-term impact on its target group?



What kind of participatory and involving format is your project based on?

# ADVISORY BOARD



**ANASTASIA KOCH | EH!WOZA**  
*South Africa*

The various programmes of EH!WOZA engage adolescents and young adults from areas with high rates of HIV and Tuberculosis (and recently COVID-19) to participate in workshops with high-impact biomedical research. They are then trained and equipped to produce documentaries, poetry, and music videos reflecting on their experiences with disease.



**GABRIELA DE LA TORRE | PROGRAMA ADOPTE UN TALENTO (PAUTA)**

*Nuclear Science Institute (NSI), UNAM, Mexico*  
PAUTA works to promote talent in science and mathematics among children and young people, particularly in underserved communities. The project organises workshops, courses and activities for children, their parents and teachers, in which knowledge is built through enquiry, experimentation and analysis.



**STANLEY ANIGBOGU | STEM4HER**  
*ArtecHubs, Nigeria*

Stem4Her offers STEM training to young schoolgirls in rural and suburban communities and encourages them to use the skills they have learned to tackle issues in society.

# JURY

JURY CHAIR



**MELANIE SMALLMAN**  
UCL, UK

JURY CO-CHAIR



**HENRY ALT-HAAKER**  
ROBERT BOSCH  
STIFTUNG, GERMANY



**BROOKE SMITH**  
KAVLI FOUNDATION, USA



**DARRYL WILLIAMS**  
THE FRANKLIN  
INSTITUTE, USA



**EMILY JESPER-MIR**  
WELLCOME TRUST, UK



**JEAN-CLAUDE BURGELMAN**  
FRONTIERS RESEARCH  
FOUNDATION, BELGIUM



**THILINA HEENATIGALA**  
EA RTH-LIFE SCIENCE  
INSTITUTE (ELSI), JAPAN



**KARI MUGO**  
MAWAZO INSTITUTE,  
KENYA



**MÓNICA FELIÚ-MÓJER**  
CIENCIA PUERTO RICO



**LUISA MASSARANI**  
BRAZILIAN INSTITUTE OF  
PUBLIC COMMUNICATION  
OF SCIENCE AND  
TECHNOLOGY, OSWALDO  
CRUZ



**PHAEDRA HENLEY**  
UNIVERSITY OF GLOBAL  
HEALTH EQUITY, RWANDA



**REBECCA ASHER**  
WELLCOME TRUST, UK



**ROSALIA VARGAS**  
CIENCIA VIVA, PORTUGAL



**CHRISTOFER NELSON**  
ASSOCIATION OF SCIENCE  
AND TECHNOLOGY CENTERS,  
USA

# MAIN FACTS

20 Winners

17 Countries

5 Continents

75% Tackling the topic of Planetary Health

50/50 Gender Distribution

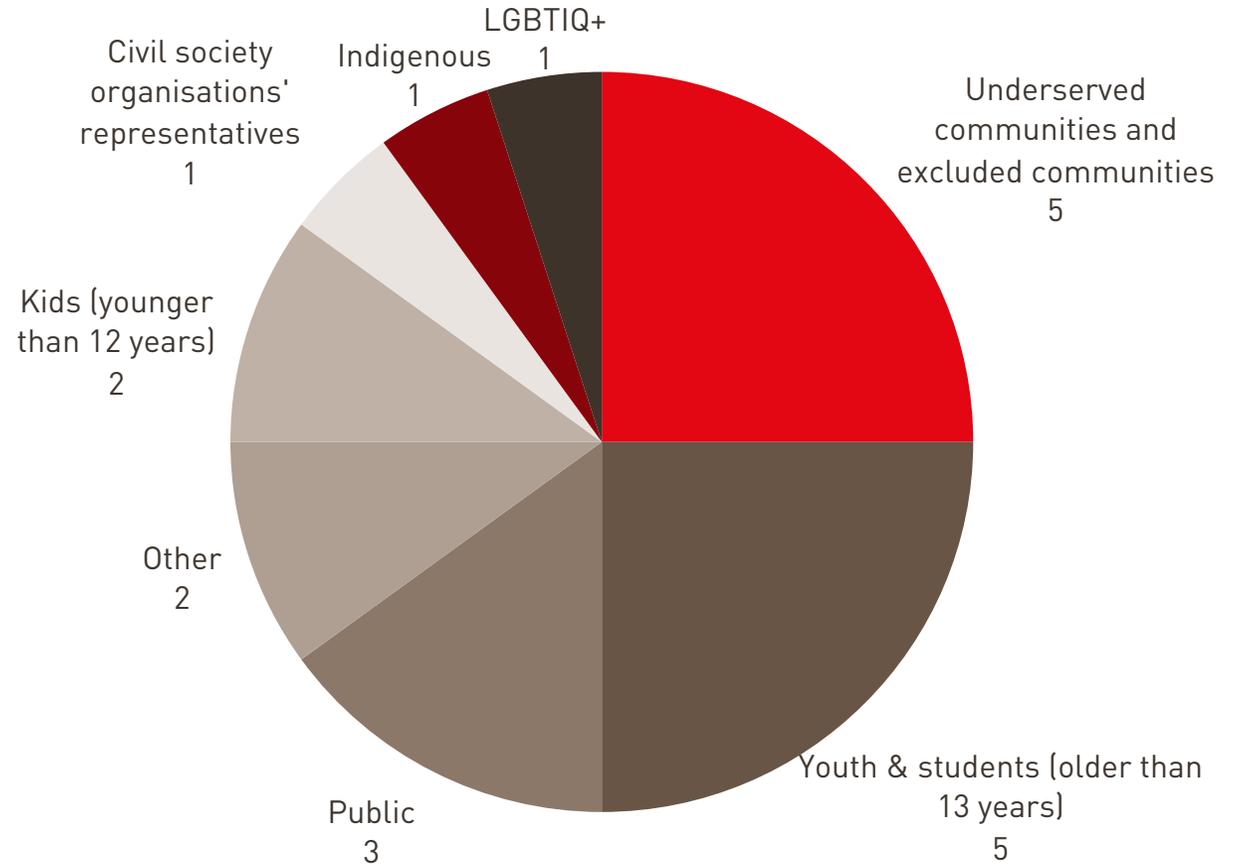
20 with a Participatory Approach

1 Pitch Event

150 Physical Participants

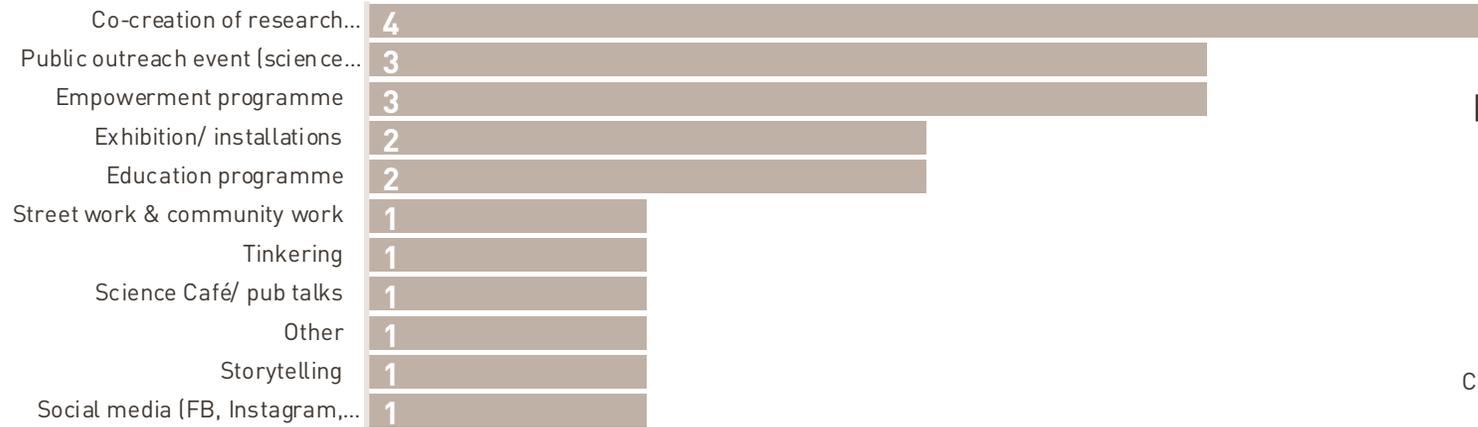
6.816 Livestream Views

Target Group

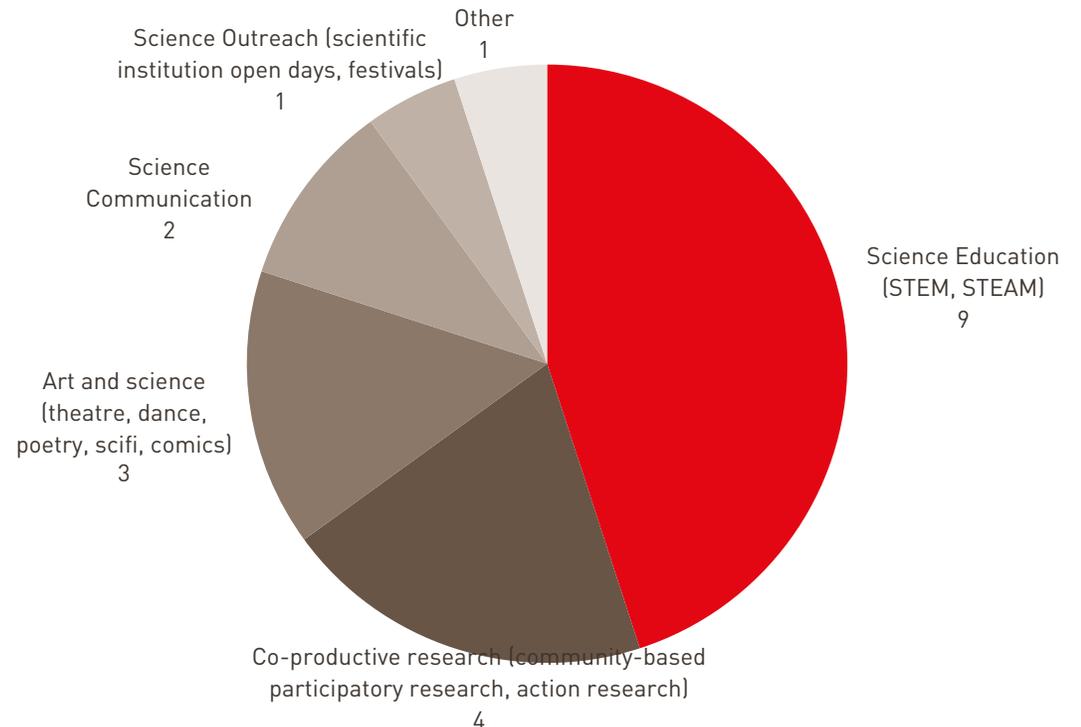


# WINNERS APPROACH & ENGAGEMENT FIELD

## Engagement Approach



## Engagement Field



# 20 WINNER PROJECTS

**AGNES FÖRSTER | REVIERA**

*Rheinisch-Westfälische Technische Hochschule Aachen, Germany*

REVIERa, founded by RWTH Aachen, is an interdisciplinary, cross-faculty platform that seeks to address long-term perspectives of structural change in the Rhenish lignite mining district – in a dialogue among equals with our partners and the various stakeholders in the area, including non-experts and society. We aim to address the complex challenge of shaping the lignite phase-out as well as far-reaching social, spatial, and technological change processes.

**ANNA BERTI SUMAN | SENSING FOR JUSTICE (SENSJUS)**

*The European Commission Joint Research Centre, Italy*

The project researches the potential of grassroots-driven environmental monitoring as a source of evidence to claim environmental justice, and as a tool for environmental conflicts' mediation. SensJus aims to leverage this engagement potential of civic monitoring making the recipient institutions more aware of this practice, and more open to embrace such data flows.

**BREAKTHROUGH OF THE YEAR**

**CHARLES PHILIPP | MICRO MUSEUMS**

*MICRO, United States*

MICRO is a distributed network of six-foot-tall science museums designed to meet curious people where they are – in hospital waiting rooms, libraries, bus terminals, laundromats, and other public spaces. MICRO's goal is to challenge long-held public assumptions about who museums are for and, by removing barriers to access, to transform the role museums play in public conversations about science.

**JAIME ANTONIO MENDOZA GONZALES | TECNONAUTAS - HÉROES DEL PLANETA**

*Tecnonautas, Bolivia*

"Heroes of the planet" is a project consisting of educational content to teach kids of 9 to 12 years old about Climate Change. The course consists of animated videos telling stories with a main character (a child named Maywa) and the classical elements (earth, fire, water, wind) as secondary characters and guides through the journey.

**JOSHUA SALAZAR MEJÍA | OFFLINEPEDIA**

*University of Vienna, Ecuador*

The strongest source of free encyclopaedic knowledge is Wikipedia. At the same time, the switch from analogue to digital TV signals and the development of flat screens have made myriads of tube TVs obsolete. A smart combination of these devices can help bridge the digital divide at low cost - OfflinePedia: open-source computers built out of TVs and packed with academic content, enabling vulnerable populations to access knowledge.

**AMBER ABRAMS | MUSEUM OF WATERY RELATIONS/WATER MAP**

*Future Water Institute, University of Cape Town, South Africa*

The Cape Town Museum of Watery Relations and the Water Map draw on transdisciplinary water values-related research to map and co-produce knowledge around various relations with water. The project aims to collaboratively develop an online interactive map of water users, sources, and uses.

**CARRIE BOYCE | SCIENCE IS A DRAG**

*Royal Canadian Institute for Science (RCIScience), Canada*

Science is a Drag is a Science Engagement initiative by and for the LGBTQ2SIA+ community. Taking an intersectional approach, it challenges the cis, white and heteronormative structures in STEM to create a community where people can share and engage with science in a manner that is authentic and welcoming.

**SPECIAL AWARD FOR INCLUSIVE SCIENCE ENGAGEMENT**

**DARSHANA JOSHI | RURAL STEM CHAMPIONS FELLOWSHIP**

*VigyanShaala International, India*

VigyanShaala builds data-driven phy-gital (physical + digital) solutions that make science accessible to nurture the scientists of tomorrow. Our rural STEM champions is a model designed to uncover the hidden gems of STEM from the most remote, last-mile Himalayan communities that are marginalised both socioeconomically as well as geographically.

**JÉRÔME CÔTÉ | NEURO-SHOW**

*Université de Sherbrooke, Canada*

The Neuro-Show was born from the somewhat crazy idea of letting "neuroscience" invade a theatre, for the pleasure of all audiences. The goal was to create a unique, instructive and entertaining experience: the integration of scientific content with a playful theatrical performance around the vast topic of the brain. To create an original, funny, and emotional show, and not a simple educational conference, we joined forces with professionals from the performing arts as well as citizens, researchers, and patients from the research centre.

**LAILA BERCHANE | EMPOWERING GIRLS IN RURAL AREAS THROUGH STEM**

*Robots & More, Morocco*

Through this program, and in order to boost girls' motivation in rural areas, we worked closely with the Ministry of Education and teachers to help them create an inclusive learning friendly environment that engages girls and boys equally in STEM learning as well as encourages and guides learners on how they can cope with the difficulties they experience. The role of teachers is very crucial in this process: They are very close to the students and are highly respected in these communities.

# 20 WINNER PROJECTS

### **LAURA HENDERSON | FRONTIERS FOR YOUNG MINDS**

*Frontiers Media SA, Switzerland*

Frontiers for Young Minds is a unique science journal for kids, in which each article is peer reviewed by young students aged 8-15. We publish clear, engaging science, written by top researchers, to inform and inspire the next generation of scientists and engaged citizens of tomorrow. Fully and freely accessible, with 1000 articles now online and 23+ million views and downloads worldwide, the journal is a global leader in science communication.

### **MICHAEL MUMBO | ADVENTURE IN THE PLANTS KINGDOM**

*Edutab Africa, Kenya*

We equip primary and secondary school learners with an explorer mindset and skills that enable them to discover their surroundings in ways in which they can have a deep connection and understanding of the environmental ecosystems through geo-inquiry. We achieved this through practical hands-on and outdoor play activities that led to the observation of specimens using the Foldscope microscope.

### **OTUO-AKYAMPONG BOAKYE | CLIMATE SMART TREE PLANTING**

*Eco Warriors Movement, Ghana*

The project leverages basic scientific knowledge and active community participation to concurrently address the three greatest environmental challenges of our generation in a nature friendly manner. The project uses the science of tree planting to innovatively cleanse ambient air, sequester carbon, create habitat for arboreal organisms and initiate pockets of urban forest around sanitation related areas like refuse dump and public toilets in peri-urban and rural areas in Ghana.

### **THABISO MASHABA | IDIN-SADC CONSORTIUM**

*These Hands GSSE, Botswana*

The International Development Innovation Network enables a global community of changemakers to design, develop and disseminate innovations that improve the lives of people living in poverty. We have developed a bottom up approach that re-tools, up-skills, and empowers rural communities, marginalized communities, and underdeveloped populations of the developing world to co-create simple sustainable technological and community business solutions to their immediate livelihood challenges.

### **TIM RADEMACHER | WITNESS TREE PROJECT**

*Université du Québec en Outaouais, United States*

The project aims to break the wall to talk to nature. We try to reconnect people, in particular high-school students, with trees and forests through the use of automated data collected and translation. The project's automated social media accounts, that post human-readable messages based on data about the tree and its environment, have attracted a combined following of more than 10 000 followers.

### **LAURA CAROLINA JARAMILLO | EAFIT CHILDREN'S UNIVERSITY**

*Universidad EAFIT, Colombia*

EAFIT Children's University is an informal education and Science Engagement program that was designed to bring academia and research closer to other audiences and to encourage curiosity, create active learning experiences, promote intellectual enjoyment, and foster critical thinking in children. The program proposes to deal with scientific concepts in an accessible way without sacrificing scientific rigor.

### **MIKI IGARASHI | DANCING SCIENCE SHOW**

*The University of Tokyo, Japan*

In Japan less school students say "studying science is fun" and Japan has the lowest proportion of women in STEM among OECD countries. Miki is breaking stereotypes about STEM and science by being involved in science communication activities combined with dance elements in public places such as TV, YouTube, etc. Her mission is to create opportunities for people to engage with science regardless of their environment or gender by hosting science entertainment shows across Japan.

### **SANDOR KRUK | ROMANIAN SCIENCE FESTIVAL (RSF)**

*Max Planck Institute for Extraterrestrial Physics, Romania*

RSF is an initiative that aims to popularise STEM subjects among young people in Romania. We use sciences to set off their lifelong inquisitiveness and thrust for knowledge. That is why our motto is 'Don't get bored! Always be curious!' We reach our goal firstly by providing role models: students, researchers, and professionals from the growing Romanian academic diaspora become RSF mentors.

### **THEO ANAGNOSTOPOULOS | "ECOSYSTEM": INTEGRATING POMAK STUDENTS IN THRACE THROUGH STEM ENVIRONMENTAL EDUCATION.**

*SciCo, Greece*

"EcosySTEM" is a project that targets the population of the Pomaks, which is situated in Northeastern Greece. SciCo run "EcosySTEM" as a pilot program, aiming to connect the population of Pomak students with the rest of the students living in the city of Xanthi through STEM environmental education and out-of-school workshops.

### **VAISHALI SHARMA | YOUNG TINKER ACADEMY**

*Young Tinker Academy, India*

Young Tinker Academy is a tinker space where school students collaborate and learn hands-on skills of the future. We work with indigenous communities to build tinker space for students and youths with content in the vernacular languages of India. We set up our tinker space where machines like 3D printers, CNC, and Laser cutters with equipment related to robotics are installed with interfaces in indigenous languages.

# IMPRESSIONS WINNERS

I learned about lots of amazing projects and formats that can be used to engage people in science from micro-museums to theatre and drag shows. The diversity of community members and projects and their willingness to collaborate and share was mind-boggling. Hopefully, we will co-create some interesting projects as a result.

Very (!!!) inspiring group of science engagement winners. Charming Falling Walls team. Highly inspiring setting of the Falling Walls Summit with its inter- and transdisciplinarity.

There is a rich network of engagers we connected with. There is a strong push and race toward humanity and different pitches are geared toward making this world a better place.

I felt the team always went above and beyond the call of duty to answer my queries in advance and support pitchers in the run up, during and after pitch day - so, so impressed at this level of attention and support. Fostering a tight knit community like this is hard to do in such a short period of time but you delivered!!!

The Community day on Sunday 6th was extraordinary, it brilliantly enabled the Engagers to come together, form a community and grow in confidence as well as forge strong connections. It removed any sense of competition between us and we were all supporting each other on the pitches day.

The link between us, the Falling Walls Engage Team, the Hub Managers and the jury was enriching and well designed!

# SUGGESTIONS FOR CHANGE

A little more transparency and feedback on the pitching session. Selection of an aligned jury and donors that can help support the projects being pitched to move forward (Winner)

Separately, it would be interesting to find more ways for Engage to be more aligned with Venture and Lab. It felt like we all stuck to our respective groups, which is not a bad thing just a missed opportunity to connect and share. (Jury)

.... a feedback from the jury regarding our project would have been nice. 16 evaluators have certainly some nice things to share to improve our project and/or our future projects! :) (Winner)

It would be interesting to consider having sub themes that projects get placed into once the top 20 have been selected, and then we compare within theme. We could end up with three winners (one per category). (Jury)

I think there's a missed opportunity to embed Engage activities through the summit in general. Engage the audience in the main hall with fun quizzes tackling misinformation, host activities or exhibits in the foyer, hall or outdoors, let us host an engaging science-themed variety show during one of the evening receptions. Why wasn't there an engagement themed panel discussion calling out how science engagement is undervalued in science, for example? Really showcase that the impact of all this impressive scientific research is ultimately limited if we can't engage stakeholders, policy makers and end users/the public/communities and inspire them to take action. (Winner)



# COMMUNICATIONS

# GROWTH AND REACH

Compared to the previous year.

## WEBSITE

**+14%**

to 49.200+ views of Falling Walls Engage pages.

## NEWSLETTER

**+8%**

to 1.184 recipients with an average opening rate of **34%**.

## FALLING WALLS ENGAGE TWITTER

**+45%** per month to 375 followers on Falling Walls Engage Twitter Account compared to the first months after creation, with **74.000+** impressions and **3.500+** interactions.

## SOCIAL MEDIA FALLING WALLS

**+23%** to 42.173 followers on Falling Walls Social Media channels (Twitter, LinkedIn, Instagram, Facebook) with **54.800+** impressions and **1.100+** for Engage posts.

# COMMUNITY TOOLS & EXCHANGE

## WORLD ENGAGEMENT MAP

- Launched February 2022 as a match-making platform
- 80+ entries from Science Engagement initiatives, funding organisations and other organisations from 36 countries
- 3.000+ total page views
- Goal: to onboard 200 entries until end of February 2023
- [www.falling-walls.com/engage/map/](http://www.falling-walls.com/engage/map/)

## SUPERHIVE

- Launched in August 2022, new community tool as look-found and -offer tool
- Community-led mailing list which is circulated every two weeks
- Community members can reach out to the community for making up connections, exchange best practices or offering help with certain topics on a low key basis
- Members: 90+
- Response rate: 22% (this means the percentage of all posts that have received a response)
- Average responses: 0,56 (this means the average response per post)

## ENGAGE TWITTER

- Launched end of July 2022
- 370+ followers and a high interaction rate allows Falling Walls Engage and the community to share news and updates on an every day basis
- Tweets: 86+
- Posts + Retweets: 301
- Likes: 1.000+
- Impressions: 74.000+
- Interactions (likes, comments, shares): 3.500+

## RESOURCES & IMPACT PAGES

- Resources page: [www.falling-walls.com/engage/resources](http://www.falling-walls.com/engage/resources)
- Blog with news and updates
- Download section for useful tools and materials such as impact planning and evaluation tools
- Commitments to action
- Impact page with success stories from our community [www.falling-walls.com/engage/impact](http://www.falling-walls.com/engage/impact)



OUTLOOK

# MOVEMENT FOR GLOBAL CHANGE

- To tackle global planetary emergencies, we will **develop our unique community platform** into an **action platform** for community engagement and global change.
- We will collect, train, and spread the **expertise and knowledge of Science Engagement** on how to **engage** local communities, policymakers, and researchers to **benefit Planetary Health**.
- We will embed **local debates on science-based** solutions, **engage communities, activate scientists** and **policymakers**, and jointly develop **action** for global change.
- We will establish a **model that can be replicated and expanded around the globe** to scale our impact of establishing a network that has the **power to engage communities** and **bottom-up policy development**.

# IMPACT

The impact we want to see is

- improved **trust in science** on a global level,
- global societal challenges like **Planetary Health** are **addressed and shaped in a participatory** way by science and society,
- long-lasting improvements on people's lives through **fact-based decision making** as a contribution to the overall wellbeing of society.





**PLEASE CONTACT:**

**Anja Schoch**

Head of Falling Walls Engage

**Mail**

[anja.schoch@falling-walls.com](mailto:anja.schoch@falling-walls.com)

[engage@falling-walls.com](mailto:engage@falling-walls.com)

**Phone**

+49 30 60 988 39-75

**Web**

[www.falling-walls.com](http://www.falling-walls.com)

**Falling Walls Foundation gGmbH**

Kochstraße 6-7

10969 Berlin,

Germany