

*The National Academies of*  
**SCIENCES • ENGINEERING • MEDICINE**

**Science Diplomacy to Promote and Strengthen  
Basic Research and International Cooperation Workshop**

**Virtual Workshop Dates:**  
**12 March 9:00 - 13:00 EST**  
**15 March 12:00 - 16:00 EDT**  
**16 March 12:00 - 16:00 EDT**

The workshop will discuss the role of the Global Research Council (GRC) in science diplomacy to promote and strengthen basic research and international collaboration. The goals of the workshop will be:

- Describe institutional goals and structures currently available or being proposed for international basic research cooperation in a frame of science diplomacy;
- Consider areas within basic research that might be worth exploring in greater depth to better connect research funders and science diplomacy practitioners (e.g. diplomats, researchers);
- Explore opportunities for the Global Research Council and funder communities to work together on those areas and projects; and
- Discuss roles that multilateral organizations (e.g. International Science Council, SESAME, International Institute for Applied Systems Analysis, Intergovernmental Panel on Climate Change) might play in contributing to international basic research cooperation.

**Day 1: March 12, 2021**

**Day 1 Objectives:**

- Determine how various funding agencies define science diplomacy.
- Assess current science diplomacy initiatives and mechanisms at various basic research funding agencies.
- Understand the reasons why funding agencies pursue science diplomacy efforts and international collaboration and what they hope to accomplish through these efforts.
- Identify barriers within funding agencies that prevent multi-funder collaborative investments on major science diplomacy issues

<b>Time EST</b>	<b>Title/Presenter</b>
<b>9:00 - 9:30</b> <i>(30 minutes)</i>	<b>Opening and Overview of Workshop Goals: Framing the Intersection of Science Diplomacy and Basic Research</b> <ul style="list-style-type: none"><li>- E. William (Bill) Colglazier, Planning Committee Chair and American Association for the Advancement of Science (AAAS)</li><li>- Vaughan Turekian, Policy &amp; Global Affairs (PGA) Division Executive</li></ul>

	Director, NASEM
<b>9:30 - 9:50</b> <i>(20 minutes)</i>	<p><b>Introduction to the Global Research Council (GRC) and Work in Science Diplomacy</b></p> <ul style="list-style-type: none"> <li>- Katja Becker, GRC Governing Board Chair and President of DFG (confirmed)</li> </ul>
<b>9:50 - 10:35</b> <i>(45 minutes)</i>	<p><b>Panel 1a: National Funders' Perspectives of Basic Research and Science Diplomacy</b></p> <p>Moderator: Molapo Qhobela, (former) CEO, National Research Foundation of South Africa (confirmed)</p> <p>Japan Society for the Promotion of Science (JSPS)</p> <ul style="list-style-type: none"> <li>- Susumu Satomi, President and GRC Governing Board Member (confirmed)</li> </ul> <p>National Natural Science Foundation of China (NSFC)</p> <ul style="list-style-type: none"> <li>- Jinghai Li, President NSFC, ISC Vice President, and GRC Governing Board Member (confirmed)</li> </ul> <p>Science Foundation Ireland</p> <ul style="list-style-type: none"> <li>- Mark Ferguson, Director General and GRC Governing Board Member (confirmed)</li> </ul>
<b>10:35 - 11:20</b> <i>(45 minutes)</i>	<p><b>Panel 1b: National Funders' Perspectives of Basic Research and Science Diplomacy</b></p> <p>Moderator: Molapo Qhobela, (former) CEO, National Research Foundation of South Africa (confirmed)</p> <p>Russian Foundation for Basic Research</p> <ul style="list-style-type: none"> <li>- Vladislav Y. Panchenko, Chairman of the Board (confirmed)</li> </ul> <p>UKRI, UK Research and Innovation</p> <ul style="list-style-type: none"> <li>- Andrew Thompson, UKRI's International Champion and GRC Governing Board Member (confirmed)</li> </ul> <p>FAPESP, São Paulo Research Foundation</p> <ul style="list-style-type: none"> <li>- Luiz Eugênio Mello, Scientific Director FAPESP and GRC Governing Board Member (confirmed)</li> </ul>
<b>11:20 - 11:30</b>	<b>Break</b>

<p><b>11:30 - 13:00</b> <i>(90 minutes)</i></p>	<p><b>Panel 2: Perspectives of U.S. Government Funders and Private Foundations of Basic Research and Science Diplomacy</b> Moderator: Chris Fall, Former Director, Department of Energy (confirmed)</p> <p>National Science Foundation (NSF)</p> <ul style="list-style-type: none"> <li>- Kendra Sharp, Director, Office of International Science and Engineering (confirmed)</li> </ul> <p>National Institutes of Health (NIH)</p> <ul style="list-style-type: none"> <li>- Christine Sizemore, Director, Division of International Relations, Fogarty International Center (invited)</li> </ul> <p>Air Force Office of Scientific Research (AFOSR)</p> <ul style="list-style-type: none"> <li>- Ali Sayir, Program Manager (confirmed)</li> </ul> <p>Department of Energy</p> <ul style="list-style-type: none"> <li>- Helena Fu, Director, International Science and Technology Cooperation and Trusted Research (confirmed)</li> </ul> <p>Kavli Foundation</p> <ul style="list-style-type: none"> <li>- Cynthia Friend, President (confirmed)</li> </ul>
<p><b>13:00 - 13:30</b> <i>(30 minutes)</i></p>	<p><b>Closing Segment Discussion</b> Moderator: Alice Abreu, Planning Committee Member, Federal University of Rio de Janeiro</p>

**Day 2: March 15, 2021**

Time EDT	Title/Presenter
<p><b>12:00 - 12:30</b> <i>(30 minutes)</i></p>	<p><b>Introduction of Keynote Speakers</b></p> <ul style="list-style-type: none"> <li>- Bill Colglazier, Planning Committee Chair</li> </ul> <p><b>Reports from the Challenges for International Scientific Partnership Initiative by the American Academy of Arts and Sciences:</b></p> <p><b>Bold Ambition Large-Scale Science</b></p> <ul style="list-style-type: none"> <li>- Arthur Bienenstock, Stanford University (confirmed)</li> </ul> <p><b>Global Connections Emerging Science Partners</b></p> <ul style="list-style-type: none"> <li>- Shirley Malcom, AAAS (confirmed)</li> </ul>
<p><b>12:30 - 13:50</b> <i>(80 minutes)</i></p>	<p><b>Panel 3: Perspectives of Non-Governmental National Scientific Institutions</b></p> <p>Objectives:</p>

	<ul style="list-style-type: none"> <li>● Describe institutional structures and goals currently available being proposed for international basic research cooperation in a frame of science diplomacy</li> <li>● Suggested strategies to encourage science diplomacy and international collaboration</li> </ul> <p>Moderator: John Hildebrand, NAS Foreign Secretary (confirmed)</p> <p>Indian National Science Academy (INSA)</p> <ul style="list-style-type: none"> <li>- Ashok Singhvi, former Vice President (confirmed)</li> </ul> <p>Academy of Science of South Africa (ASSAf)</p> <ul style="list-style-type: none"> <li>- Jonathan Jansen, President (confirmed)</li> </ul> <p>Brazilian Academy of Sciences</p> <ul style="list-style-type: none"> <li>- Luiz Davidovich, President (confirmed)</li> </ul> <p>U.S. National Academy of Sciences</p> <ul style="list-style-type: none"> <li>- John Hildebrand, NAS Foreign Secretary (confirmed)</li> </ul>
<b>13:50 - 14:00</b>	<b>Break</b>
<b>14:00 - 15:30</b> <i>(90 minutes)</i>	<p><b>Panel 4: Perspectives of international scientific institutions that conduct research and/or represent the views of the scientific community</b></p> <p>Objectives:</p> <ul style="list-style-type: none"> <li>● Describe institutional structures and goals currently available being proposed for international basic research cooperation in a frame of science diplomacy</li> <li>● Identify roles that multilateral organizations might play in contributing to international basic research cooperation</li> <li>● Provide advice to funders of basic research opportunities to foster science diplomacy efforts</li> </ul> <p>Moderator: E. William Colglazier</p> <p>International Science Council (ISC)</p> <ul style="list-style-type: none"> <li>- Heide Hackmann, Chief Executive Officer (confirmed)</li> </ul> <p>International Centre of Insect Physiology and Ecology (<i>icipe</i>) Nairobi, Kenya</p> <ul style="list-style-type: none"> <li>- Segenet Kelemu, Director General and CEO (confirmed)</li> </ul> <p>International Institute for Applied Systems Analysis (IIASA)</p> <ul style="list-style-type: none"> <li>- Albert van Jaarsveld, Director General and CEO (confirmed)</li> </ul> <p>CERN, The European Organization for Nuclear Research</p> <ul style="list-style-type: none"> <li>- Charlotte Warakaulle, Director of International Relations</li> </ul>

<b>15:30 - 16:00</b> <i>(30 minutes)</i>	<b>Closing Segment Discussion</b> Moderator: Alik Ismail-Zadeh, Planning Committee Member, Karlsruhe Institute of Technology and Russian Academy of Sciences

### Day 3: March 16, 2021

Time EDT	Title/Presenter
<b>12:00 - 12:30</b> <i>(30 minutes)</i>	<b>Summary of Previous Two Days: How Science Diplomacy can Advance National and Global Goals for Basic Research</b> Moderator: Bill Colglazier and Vaughan Turekian
<b>12:30 - 13:50</b> <i>(80 minutes)</i>	<p><b>Panel 5: Challenges to Science Diplomacy for Basic Research and Suggested Strategies</b></p> <p>Objective:</p> <ul style="list-style-type: none"> <li>Propose possible strategies to address or overcome issues of open science; cybersecurity; security and visas; diversity, equity, inclusion, and gender to conduct basic research through science diplomacy</li> </ul> <p>Moderator: Alice Abreu</p> <p>Open Science: Strategies to address open science, data rights, intellectual property rights, and material transfer agreements</p> <ul style="list-style-type: none"> <li>Shamila Nair-Bedouelle, Assistant Director-General for Natural Sciences at UNESCO (confirmed)</li> </ul> <p>Research Security &amp; Cybersecurity</p> <ul style="list-style-type: none"> <li>Rebecca L Keiser, National Science Foundation (confirmed)</li> </ul> <p>Security &amp; Visas</p> <ul style="list-style-type: none"> <li>Amy Flatten, American Physical Society (confirmed)</li> </ul> <p>Diversity, Equity, Inclusion, Gender</p> <ul style="list-style-type: none"> <li>Dorothy Ngila, The National Research Foundation of South Africa (confirmed)</li> </ul>
<b>13:50 - 14:00</b>	<b>Break</b>
<b>14:00 - 15:30</b> <i>(90 minutes)</i>	<b>Panel 6: Future Opportunities for Science Diplomacy and How to Achieve Positive Outcomes</b>

	<p>Objectives:</p> <ul style="list-style-type: none"> <li>● Consider areas within basic research that might be worth exploring in greater depth to better connect research funders and science diplomacy practitioners</li> <li>● Explore opportunities for the Global Research Council and funder communities to work together on major science themes that cross borders</li> </ul> <p>Moderator: Alik Ismail-Zadeh</p> <p>Oceans and the UN Ocean Decade</p> <ul style="list-style-type: none"> <li>- Craig McLean, Acting Chief Scientist, NOAA (confirmed)</li> </ul> <p>Disaster Risk Reduction</p> <ul style="list-style-type: none"> <li>- Rajib Shaw, Chair, UNDRR Scientific and Technical Advisory Group (STAG) (confirmed)</li> </ul> <p>COVID-19, other pandemics, and disaster risk reduction, social science aspects of trust and science advice</p> <ul style="list-style-type: none"> <li>- Virginia Murray, Public Health England (confirmed)</li> </ul> <p>Biodiversity</p> <ul style="list-style-type: none"> <li>- Ana María Hernández Salgar, Chair, Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (confirmed)</li> </ul>
<p><b>15:30 - 16:00</b> <i>(30 minutes)</i></p>	<p><b>Closing Segment Discussion</b> Moderator: Bill Colglazier</p>