



International Research & Education at the U.S. National Science Foundation

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Office of International Science and Engineering (OISE)

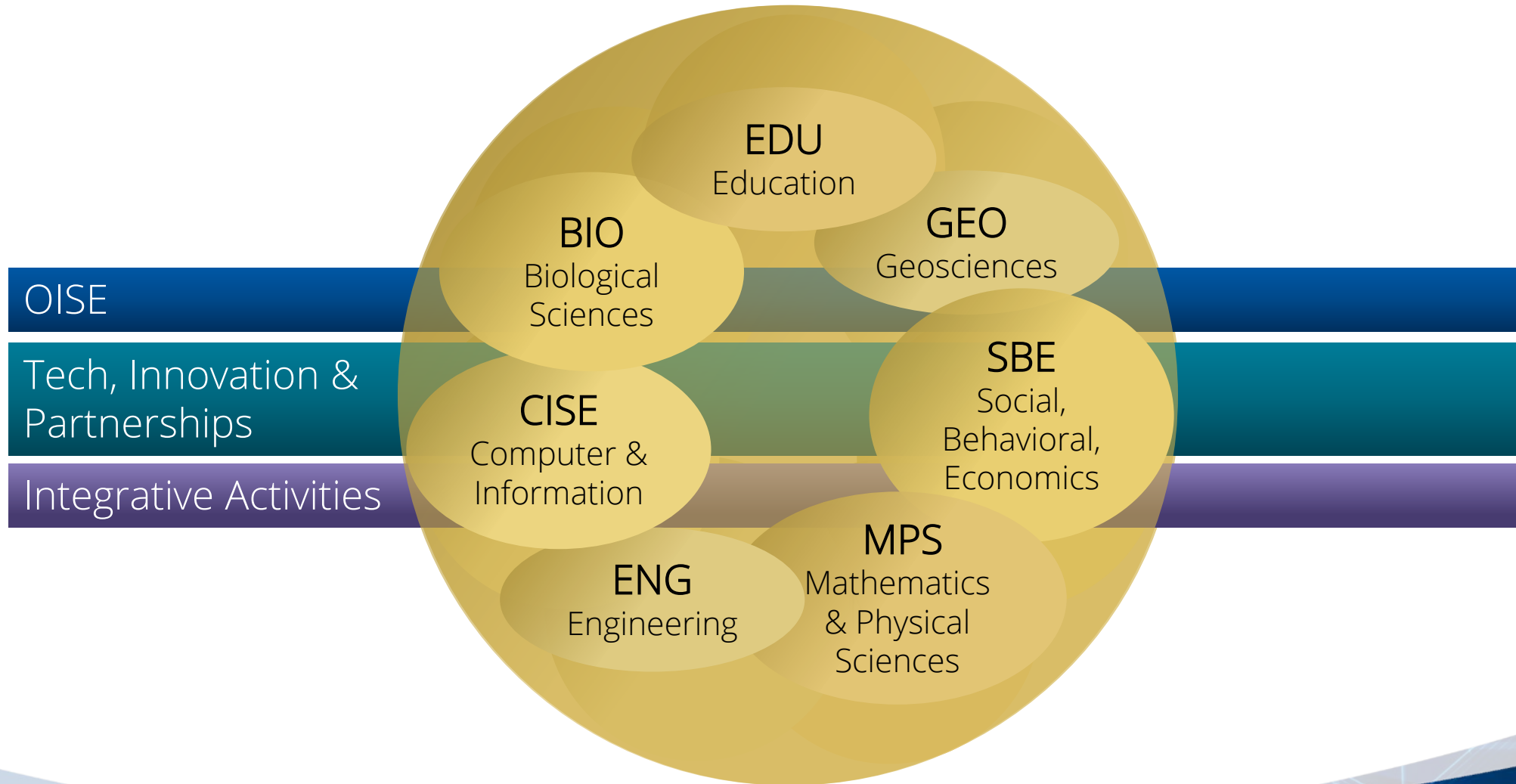
NSF Grants Conference - Spring 2024

Bottom Line Up Front

- NSF welcomes international collaboration when it strengthens intellectual merit and broader impacts
- Proposals to NSF may contain international elements
- Directorate core programs support most international research by total project numbers
- There are *targeted* international funding opportunities (OISE & Directorates)
- NSF almost always funds only the U.S. side of an international collaboration
- Priority is to smooth collaboration through partnerships

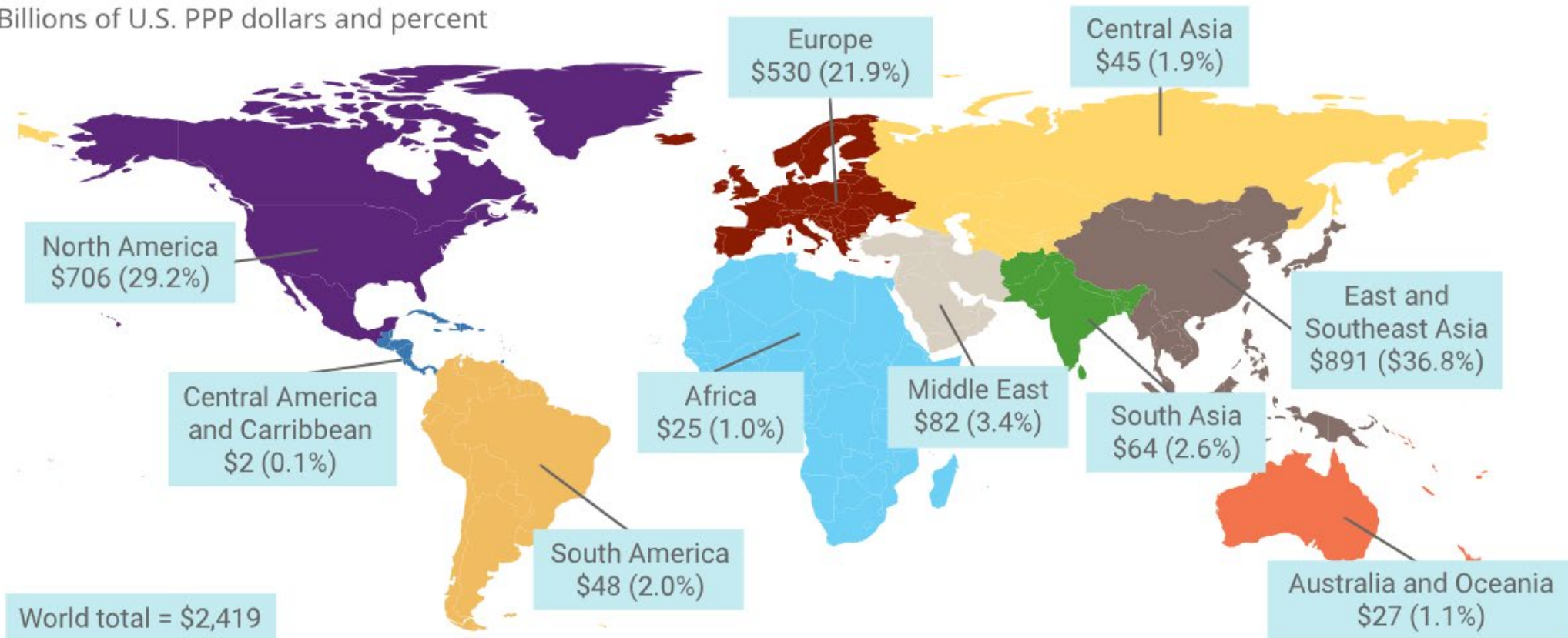


OISE is a Cross-Cutting Office



Why Does NSF Care About International Research?

Billions of U.S. PPP dollars and percent



PPP = purchasing power parity

Source: Science and Engineering Indicators 2022.



The U.S. has made the investments needed to fuel an innovation economy and remain preeminent in science and engineering.

The U.S. remains a magnet for the world's best talent.

U.S. scientists and engineers are modeling scientific values that are practiced throughout the world.

The U.S. has increased STEM skills in its workforce, creating more opportunities for all Americans.

The U.S. has created an accessible, attractive S&E enterprise that more closely reflects the nation's demographic and geographic diversity.

U.S. government, industry, and academic partners are working in coordination to realize national R&D priorities and accelerate the discovery-to-innovation cycle.

NSF continues to drive U.S innovation through fundamental research and lead the evolution of the global practice of science and engineering.

- **Advance research by leveraging partnerships**
- **Build STEM workforce**
- **Strengthen global leadership**



Core Values of International Engagement

Collaboration

Partnerships

Access

Opportunities

Openness



NSF's Current Portfolio of International Collaboration



Office of International Science and Engineering Opportunities



International Research Experiences for Students (IRES)

NSF 24-506

- Supports international research and research-related activities for U.S. science and engineering students
- Focuses on the development of a world-class U.S. STEM workforce
- Active research participation by cohorts of undergraduate and/or graduate students
- Deadline: October 28, 2024, then fourth Monday in October
- Email: ires@nsf.gov



AccelNet

NSF 23-619

- Foster networks-of-networks to leverage resources, stimulate research advances
- Community-identified grand challenges
- Design and Implementation tracks
- Deadline: September 16, 2024, then third Monday in September
- Email: accelnet@nsf.gov



Global Centers

2024 Focus: Addressing Global Challenges through the Bioeconomy

NSF 24-556



- Support innovative collaborative international centers for interdisciplinary use-inspired research to address global bioeconomy challenges
- With Canada, Japan, Republic of Korea, Finland, and the United Kingdom
- Deadline: June 11, 2024
- Email: globalcenters@nsf.gov



Models and Levels of International Partnerships



Center to Center



Groups of PIs to Groups of PIs



PI-to-PI, Students, & Postdocs



Models and Levels of International Partnerships

Student Opportunities

- International Research Experiences for Students - OISE
- Research Experiences for Undergraduates Sites and Supplements - NSF Wide

Postdoc Opportunities

- Research Collaboration Opportunity in Europe – NSF Wide
- International Collaboration Supplements in Quantum – NSF Wide



Modes and Levels of International Partnerships

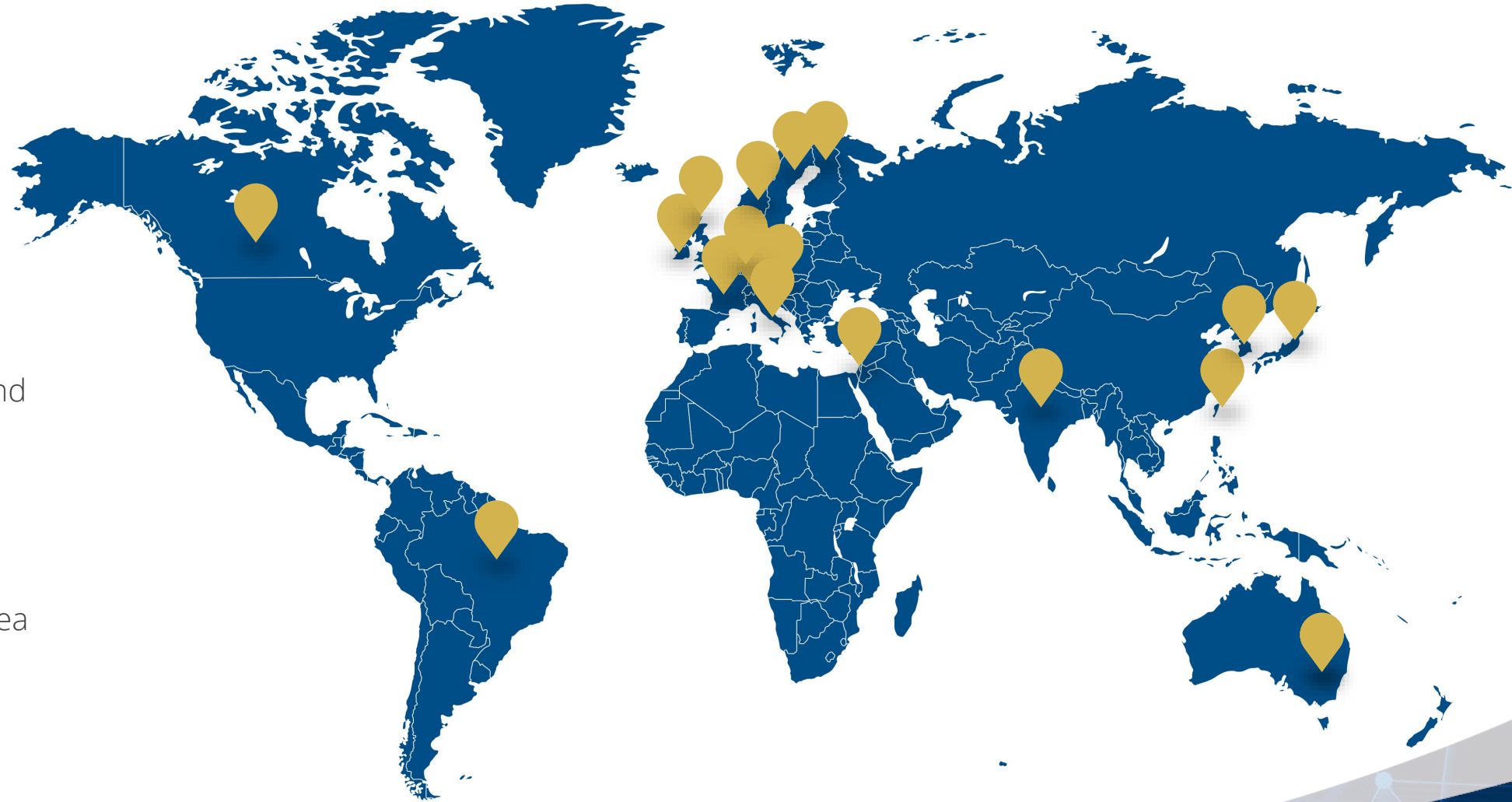
PI to PI Opportunities

- Specific Programs
 - Ecology and Evolution of Infectious Diseases (BIO)
 - Biodiversity on a Changing Planet (BIO & GEO)
 - Belmont Forum (GEO-led, other)
- Bilateral Arrangements
 - Research Agency Partnerships
 - Lead Agency Opportunities



Bilateral Collaborations

- Australia
- Brazil
- Canada
- Czech Republic
- EU
- Finland
- France
- Germany
- India
- Ireland/N. Ireland
- Israel
- Italy
- Japan
- Norway
- Republic of Korea
- Romania
- Sweden
- Switzerland
- Taiwan
- UK



Multilateral International Opportunities not led by NSF

NordForsk: Sustainable Development in the Arctic



Canada : Climate Change Adaptation and Mitigation



Models and Levels of International Partnerships



Center to Center



Groups of PIs to Groups of PIs



PI-to-PI, Students, & Postdocs



Models and Levels of International Partnerships

Groups of PIs to Groups of PIs

- AccelNet (OISE)
- Research Coordination Network (Cross-Directorate)
- Collaborative Research in Computational Neuroscience (Cross-Directorate)

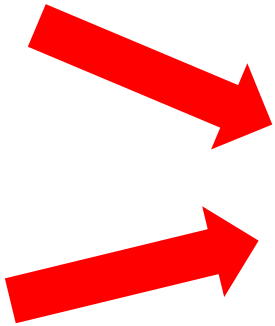
Center to Center

- Engineering Research Centers (ENG)
 - Ireland-Northern Ireland
 - Brazil
- Industry-University Cooperative Research Centers Program (Cross-Directorate)



OISE Regional &
Country
Contacts List

International
Collaboration
Opportunities



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International Science and Engineering (ISE)

Building research infrastructure to advance science and engineering research and education across the nation

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Announcements

Update on Accelerating Research Through International Network-to-Network Collaborations (AccelNet) [Read More](#)

International Networks Tackle Grand Scientific Challenges, with NSF Support [Read More](#)

AccelNet Dear Colleague Letter (DCL) Update [Read More](#)

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News

 See the latest OISE research news

 See the latest NSF news

Popular Links

- NSF MULTIPLIER
- Advisory Committee Meetings
- OISE COV (Committee of Visitors) Reports and Response

Events

May MAY 28, 2024
Spring 2024: Global Centers (GC) Office Hours
WEBCAST



Hot Tips!

- Volunteer to be a reviewer
- Read (and re-read!) the solicitation
- Attend webinars and/or office hours
- Proposal submissions
 - Check the international box on the Cover Sheet & list relevant countries
 - Make sure any international activity and travel is included in the budget and justified according to the PAPP Guide
 - Discuss in your data management plan how your international collaboration will impact data management





Thank You!

Questions Welcome

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