

# Proposal Policies and Procedure Guide (20-1) Update

## Research Security and Strategy Update

June 11, 2020

### **Moderator:**

**Jackie Bendall, Director, Contracts and  
Grants Administration, Council on  
Governmental Relations (COGR)**

### **Panelists:**

**Rebecca Keiser, Chief of Research Security  
Strategy and Policy, NSF**

**Jean Feldman, Head, Policy Office, NSF**





# Promoting and Protecting the U.S. Science and Engineering Enterprise



Rebecca Keiser  
National Science Foundation  
Chief of Research Security Strategy and Policy  
June 11, 2020, COGR Meeting



# Strengthening Integrity and Security of the U.S. Research Enterprise

*“This important [JASON] report underscores the need for a robust, coordinated approach to strengthen the integrity and security of the U.S. research enterprise.”*

- OSTP Director Kelvin Droegemeier in a news release: *NSF releases JASON report on research security*, December 11, 2019.

# Risks to U.S. Science and Security in a Global Research Ecosystem

## Research Integrity:

- Conflicts of interest / commitment
- Confidentiality of merit review process
- Protection of pre-publication data



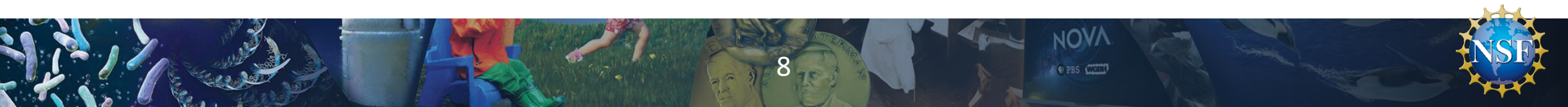
# Science and Security Goals at NSF

- Maintain the vibrant science and engineering community which relies on collaborations both globally and domestically
- Promote the norms, principles, and values of openness, transparency, and reciprocal collaboration
- Balance the open environment with the needs of security
- Better understand the risks, including the scale and scope
- Take action to mitigate risks
- Share knowledge and best practices



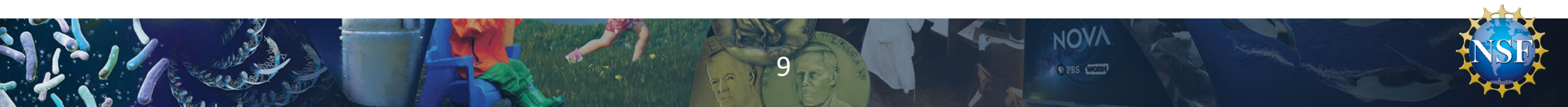
# NSF Actions to Ensure the Integrity of Federally-Funded Research

- Creation of new NSF position, Chief of Research Security Strategy and Policy (CRSSP)
- Improved transparency/clarification for disclosure
- Changes to NSF Employment Requirements and mandatory science and security training for NSF employees
- Risk assessment and analysis through JASON independent advisory group
- Communication and awareness with the scientific community
- Coordination with USG interagency partners



# Next Steps for NSF in Research Security

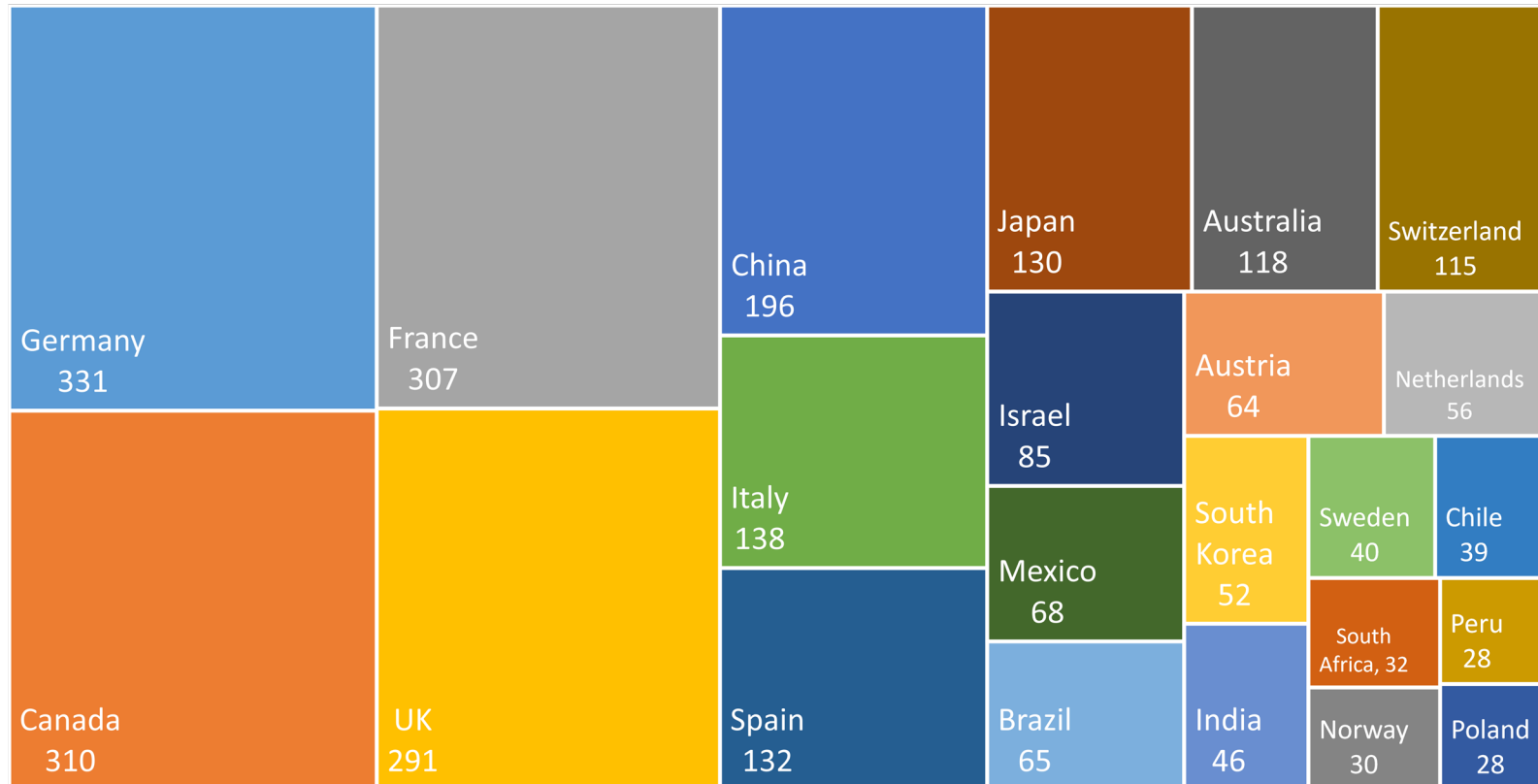
- Continue outreach and collaboration with the academic research community, federal science agencies, and the law enforcement/intelligence community
- Consult with the research community on the type of guidance and tools that might be helpful to put in place for NSF reviewers
- Share and collect feedback from the research community on NSF's enhanced research security policies and procedures
- Develop external training for the academic research community
- Leverage data and analytics to support research security
- Release the revised Term and Condition for International Collaborations on Major Facilities





# NSF Supports International Collaborations

FY 2019 NSF Awards Involving International Activity  
Top 25 Partners Countries with Award Numbers





# NSF's Collaboration with China

- China is one of the top countries for international collaboration with NSF-funded U.S. researchers.
- In FY 2019 China was #5 on NSF's list of top partner countries, collaborating in 196 NSF-funded awards.
- NSF has 3 active programs with NSF-China:
  - **Dimensions of Biodiversity** which has leveraged >\$2.5M from China since 2010
  - **Ecology and Evolution of Infectious Diseases** which first accepted proposals in 2019
  - **Innovations at the Nexus of Food, Energy, and Water Systems**
- NSF has also partnered with China's Ministry of Science and Technology through:
  - International Ocean Discovery Program as a member of the JOIDES Resolution Consortium
  - 3 active awards through NSF's Partnership on the Partnership for International Research and Education (PIRE)
  - Nearly 500 U.S. students from 44 states conducted 8 weeks of research in China thru NSF's Partnership on the East Asia Pacific Summer Institutes for U.S. Graduate Students program