



# PEER Kabul River Basin Forum

Jason Porter, Ph.D. and Dalal Najib, Ph.D.

---

Colombo, Sri Lanka

July 3<sup>rd</sup>, 2017

# PARTNERSHIPS FOR ENHANCED ENGAGEMENT IN RESEARCH

- PEER is a 10 year partnership between USAID and The National Academies of Sciences, Engineering, and Medicine (NASEM) to support local scientists partnering with US Government funded scientists and researchers.

*The National Academies of*  
SCIENCES • ENGINEERING • MEDICINE



Dr. Jamaluddin Jompa

# PEER's Mission...

To provide small grants to **local scientists** working to solve critical development challenges

*Critical Evidence* - PEER advances quality research that will fill evidence gaps needed to address critical challenges facing developing countries

*Collaboration* - PEER advances and builds on existing relationships between local research institutions, USG partners, host country government, and USAID Missions and Embassy staff.

*Capacity* - PEER will help build research capacity in developing countries thereby enabling local solutions to context specific challenges



# LEVERAGING RESEARCH PARTNERS

## US Federal Science Agencies

## Private Sector



National Institutes  
of Health



Smithsonian  
Institution



# THE PEER MODEL

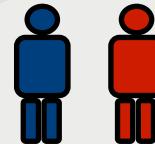


*Eligible U.S. government-supported researcher*

U.S. government supported researcher and PEER applicant form collaboration based on complementary interests



Eligible U.S. government-supported researcher collaborates with successful PEER applicant



PEER applicant applies to PEER for USAID support to facilitate collaboration



*Eligible PEER applicant*

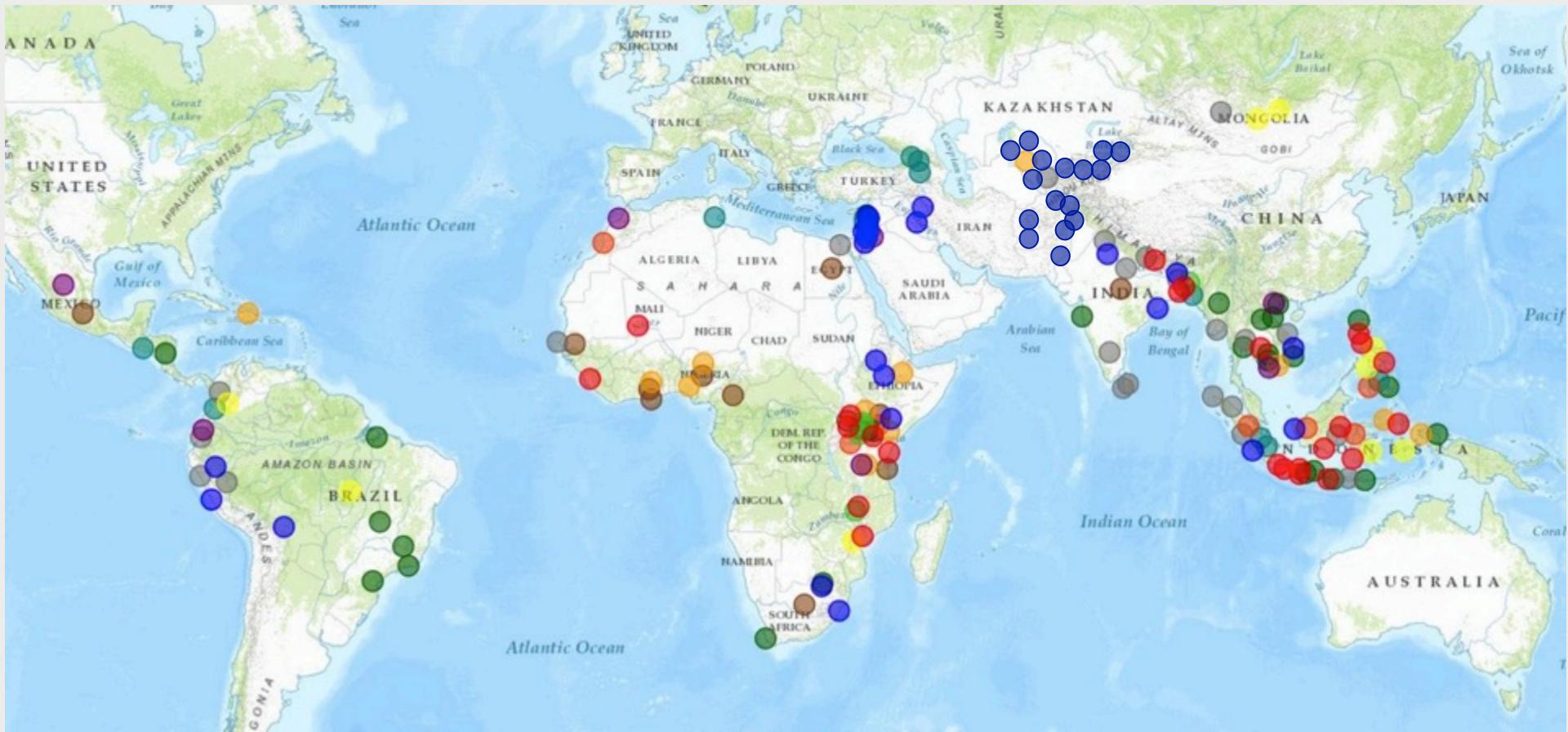
Successful applicant collaborates with US government-supported researcher



***Collaborative research addresses local and global development challenges through outstanding science***

PEER by the  
numbers...

# 250 PEER Projects Worldwide



Health Social Sciences Environment Education Disaster Mitigation Agriculture



Water Food Security

Energy

Climate

Biodiversity



# PEER BY THE NUMBERS

2011-2016



**250 PROJECTS**

**50**

**COUNTRIES**

PEER projects  
supported with \$50M  
USAID funds



**277 LOCAL  
SCIENTISTS & RESEARCHERS**

**ENGINEERS**

64% of whom had no  
previous connection to  
USAID



**239 US  
RESEARCHERS**

representing 38 US  
states



**\$ 400 MILLION**

In resources leveraged



**More than**

**800** Journal articles and  
technical reports



**OVER 3000**  
students working on PEER  
teams, 55% female



**More than 75%**

Of PEER PIs obtained further  
funding to support their work

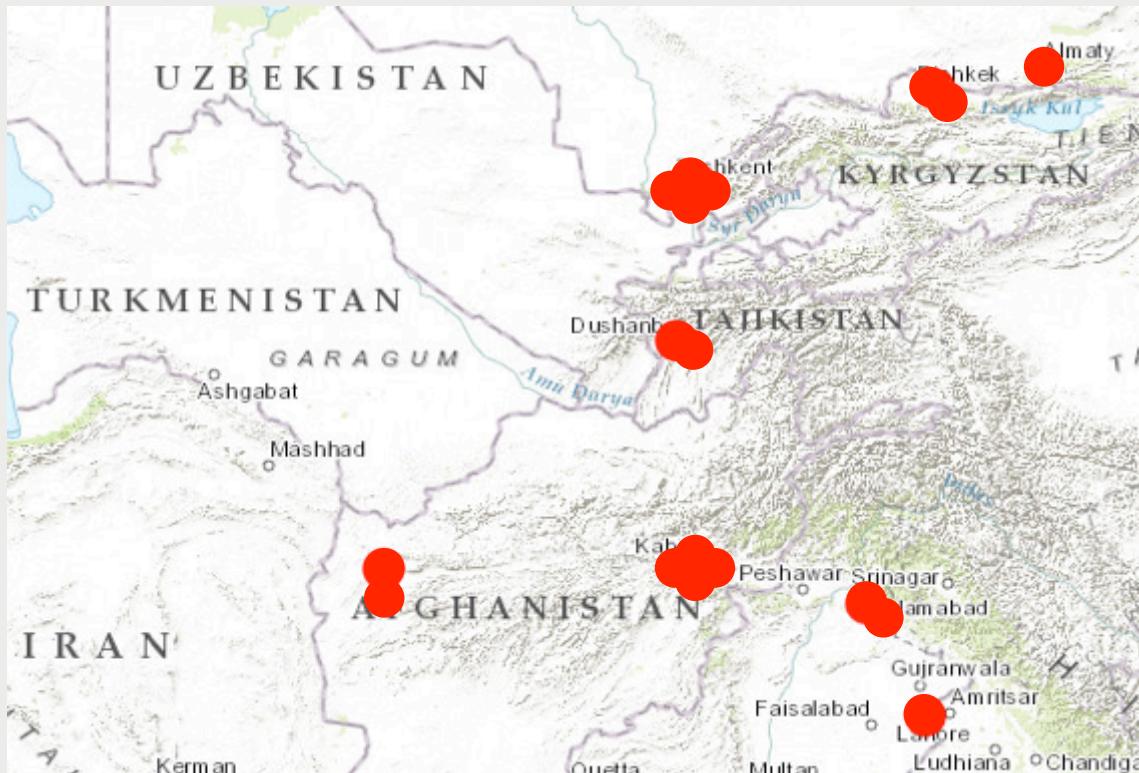
# PEER in the Kabul River Basin

# PEER Kabul River Transboundary Water Research



- Supported by USAID/Afghanistan and the U.S. Global Development Lab
- Multiple topic areas:
  - Impact of climate change on glacier dynamics
  - Land use and alternative crops
  - Impact of climate change on water use and availability
  - Impacts of water treaties
- Strengthen capacity to analyze, synthesize, share, and use data

# PEER Transboundary Research in Central Asia



- 18 projects over 2 cycles, 15 different institutions, 6 countries
- 9 female PIs, 6 early career researchers
- Partnering institutions in Ashgabat, Astana, Bamyan, and elsewhere
- Building collaborations regional through Smart Waters

Partnerships Are  
Key

# University Partners

Bamyan University

Burhanuddin Rabbani Education University

COMSATS Institute of Information Technology

Heart University

Ibn-e-Sina University (Avicenna University)

International Water Management Institute

Kabul Polytechnic University

Kabul University

National University of Sciences and Technology, Pakistan

Nazarbayev University

Lahore University

Leadership for Environment and Development (LEAD) Pakistan

University of East Anglia

University of Peshawar

# Government and National Partners

Ministry of Energy and Water of Afghanistan

Ministry of Mine and Petroleum of Afghanistan

Ministry of Urban Development of Afghanistan

Ministry of Public Works of Afghanistan

Ministry of Agriculture and Livestock of Afghanistan

Ministry of Rural Rehabilitation of Afghanistan

Afghan Geological Survey

Irrigation Department of Pakistan

Water and Development Authority of Pakistan

Pakistan Meteorological Department

Global Change Impact Studies Center, Pakistan



FOR MOUNTAINS AND PEOPLE



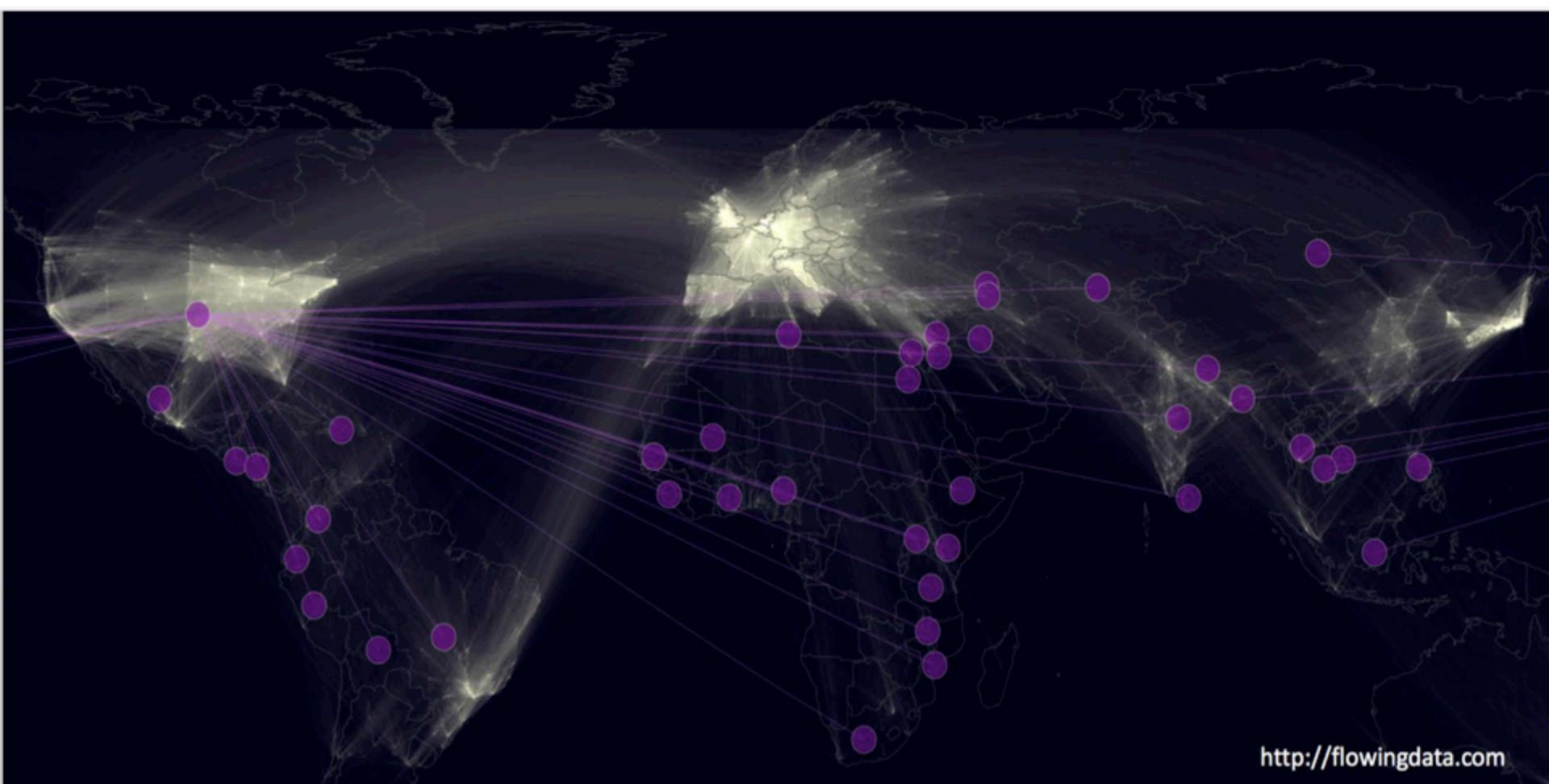
**THE WORLD BANK**  
IBRD • IDA | WORLD BANK GROUP

# Indus Basin Knowledge Forum

*New Knowledge Frontiers for Development and  
Resilience*

July 4<sup>th</sup> – 6<sup>th</sup>, 2017  
Colombo, Sri Lanka

# Thank you!



<http://flowingdata.com>

U.S. GLOBAL  
DEVELOPMENT  
**LAB**

Partnerships for Enhanced  
Engagement in Research (PEER)