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# **USAID's Support for Science, Technology and Research**

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## USAID in Africa

42 Offices across the continent

Largest programs:

HIV/AIDS

Disaster/Food Aid

Agriculture/Feed the Future





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# USAID's Increased Investment in Science, Technology and Research

Three primary programs for support:

- Partnership for Enhanced Engagement in Research (PEER)
- Global Research & Innovation Fellowship Network (GRIFN)
- Grand Challenges for Development



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Partnerships for Enhanced  
Engagement in Research  
(PEER)

PEER

PEER Science

PEER Health



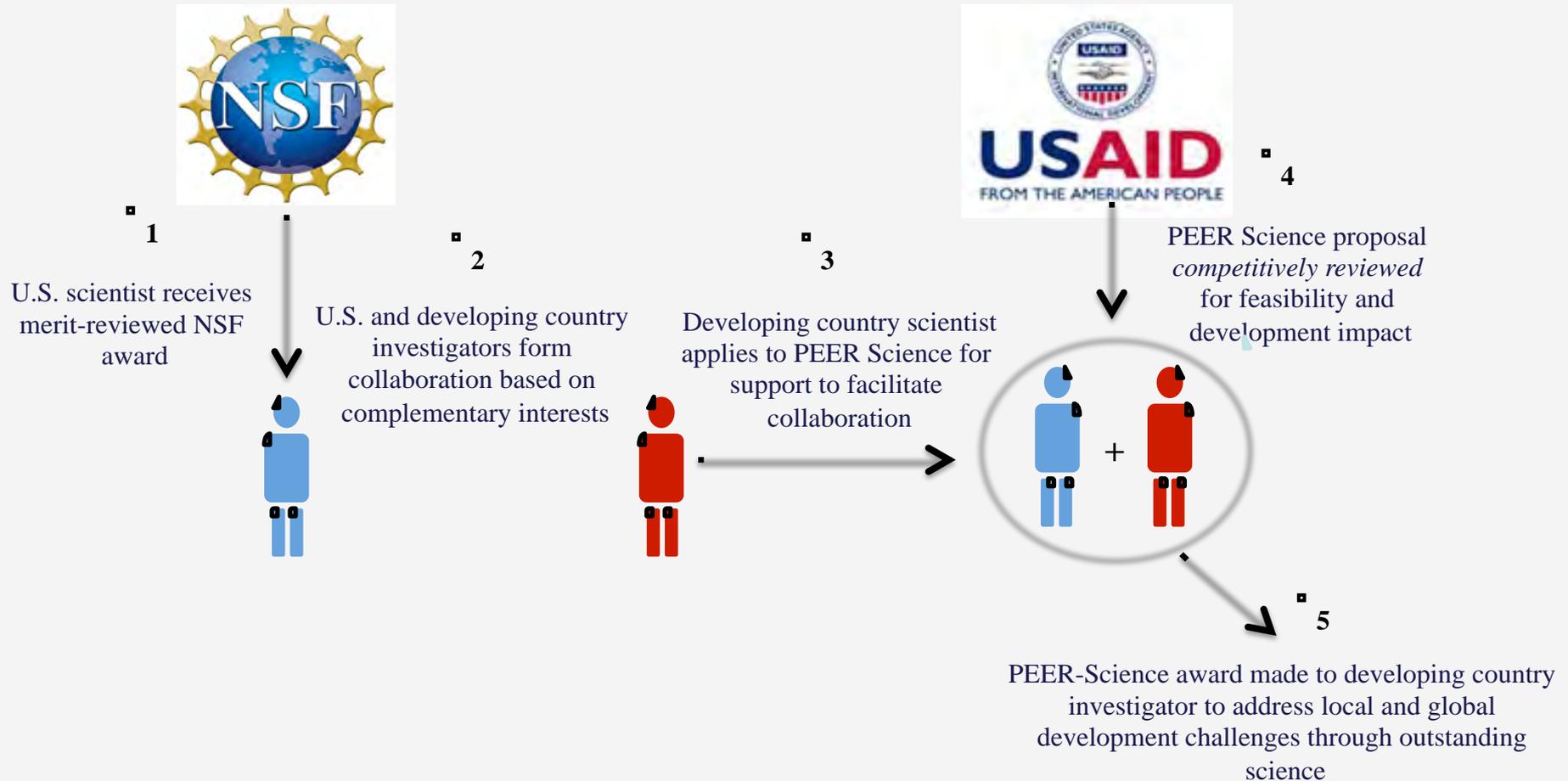
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## PEER Science

- PEER Science – partnership between USAID and the National Science Foundation (NSF).
- Supports developing country scientists conducting research in collaboration with NSF-funded scientists.
  - 84 eligible countries
  - Collaborations can be new or existing, but the NSF grant must be active



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## **2011: 1<sup>st</sup> Application Cycle**

- 488 proposals from 63 countries
- 41 grants, \$5.5 million to support projects in 25 countries
- Special round of PEER-PIRE\* funding (3 grants)

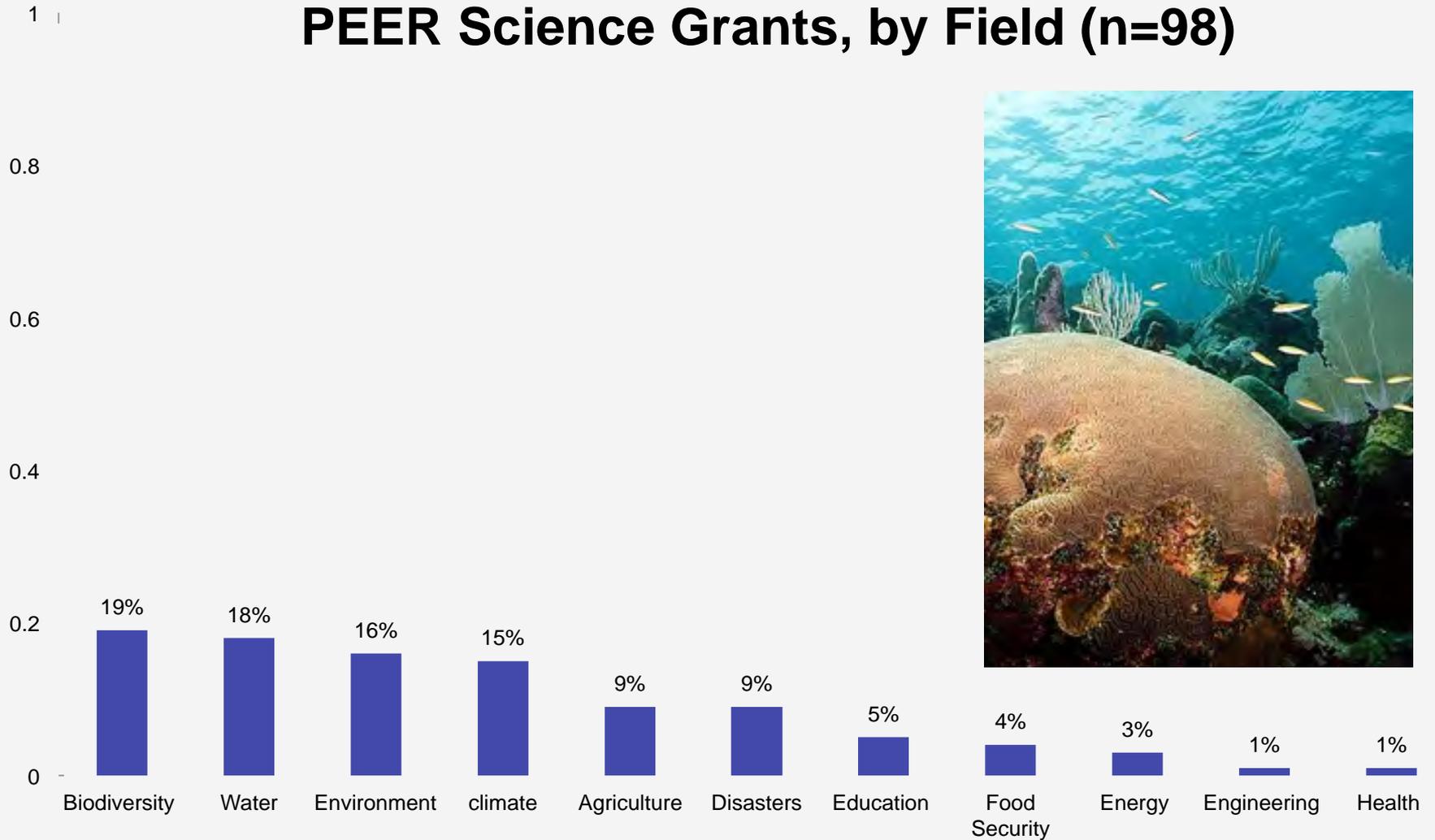
## **2012: 2<sup>nd</sup> Application Cycle**

- 237 proposals from 54 countries
- 54 awards, \$7.5 million to support projects in 32 countries
- Focused research topics:
  - Brazil biodiversity conservation
  - Lower Mekong River conservation
  - Indonesia



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## PEER Science Grants, by Field (n=98)





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## 2013/14 Solicitation Now Open

Areas of interest include, but are not limited to:

- **Food security** - agricultural development, fisheries, and plant genomics
- **Climate change** - water sustainability, hydrology, ocean acidification, climate process and modeling, and environmental engineering
- **Other development topics** including disaster mitigation, biodiversity, water, and renewable energy



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- Important links:
  - <http://www.nationalacademies.org/peerscience>
  - [www.nsf.gov/awards](http://www.nsf.gov/awards)
- Potential applicants with questions are invited to contact the program's staff at [peer@nas.edu](mailto:peer@nas.edu).
- Closing date for submission January 13, 2014





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## **Global Research & Innovation Fellowship Network (GRIFN)**

Partnership between USAID, NSF and host-country institutions such as:

- Universities
- Research Centers
- Government Ministries
- Non-Governmental Organizations
- Private Sector



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## Who is a GRIFN Fellow?

- Graduate students – PhD and Masters from multiple disciplines
- National Science Foundation grant recipients (8,000 students who receive grant of \$130,000 for 3 years)
- Initial Countries – South Africa, Senegal, Philippines, Indonesia, India, Colombia and Brazil



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## **Fellowship program is institution driven:**

Fellowships may include, but aren't limited to:

- Conducting research
- Mentoring junior-level students or guest lecturing
- Assisting with science policy development
- Additional technical capacity



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## To request a Fellow

- Identify the role you would like the Fellow to fill – on-site work must be accomplishable in 2 – 12 months.
- Visit: <http://www.usaid.gov/GRIFN> - fill out Host section
- Negotiate with applicants to identify individuals who poses the requisite skill set.



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# Grand Challenges for Development

## Two core tenants:

- Science and technology, when applied appropriately, can have transformational effects.
- Engaging the world in the quest for solutions is critical to instigating breakthrough progress.



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# Grand Challenges for Development

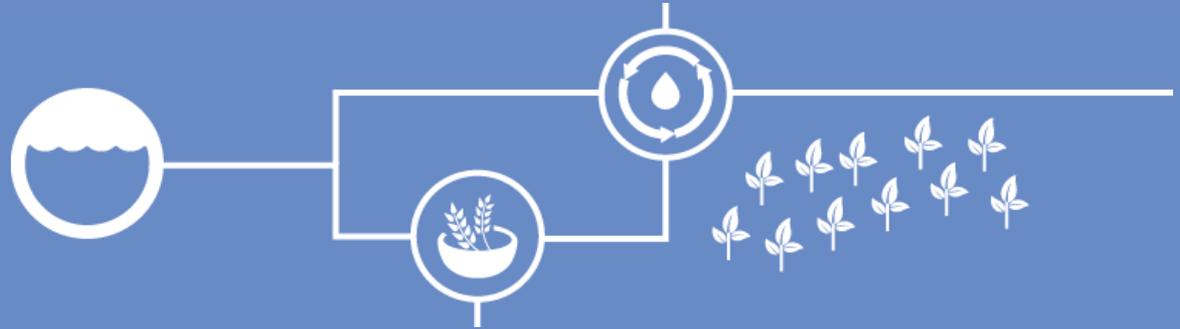
- 1) Securing Water for Food
- 2) Saving Lives at Birth
- 3) All Children Reading
- 4) Powering Agriculture
- 5) Making All Voices Count





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SECURING  
**WATER**  
FOR FOOD:  
A GRAND CHALLENGE  
FOR DEVELOPMENT



Focus areas:

- 1) Improving water efficiency and reusing wastewater
- 2) Effective water capture and storage
- 3) Salinity of water supply is a major threat to food production



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**SWEDEN**



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NORWEGIAN MINISTRY  
OF FOREIGN AFFAIRS

BILL & MELINDA  
GATES *foundation*



Grand Challenges Canada™  
Grands Défis Canada™



**UKaid**  
from the British people

“Protecting mothers and newborns in the poorest places on earth during their most vulnerable hours.”





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*A Global Competition for Innovative Solutions to Advance Reading and Literacy*

## Focus areas:

- 1) Technologies for instruction
- 2) Technologies for community engagement
- 3) Technologies for learning with disabilities
- 4) Technologies for specific demographics



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World Vision\*

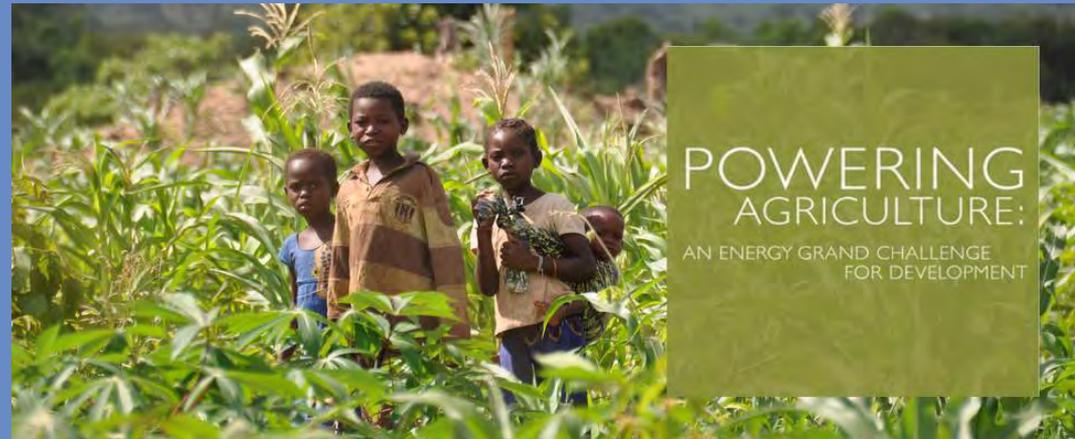




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Expand farmers' and farm-related businesses' access to clean energy solutions for improved irrigation, value-added processing, cold storage, or other on-farm applications.

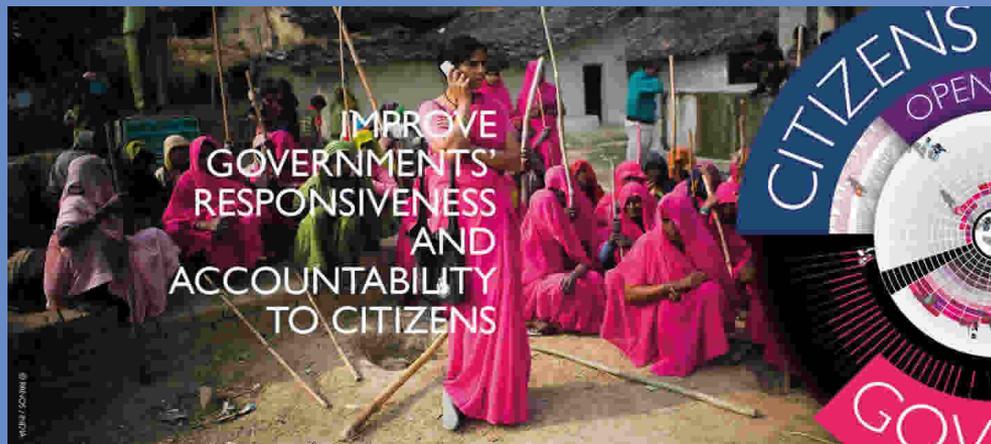




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MAKING ALL  
VOICES COUNT

A GRAND CHALLENGE  
FOR DEVELOPMENT



“Supporting citizens and governments to use innovation to improve government performance and accountability”

Applications due November 8, 2013



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SWEDEN



OMIDYAR NETWORK



OPEN SOCIETY  
FOUNDATIONS



UKaid  
from the British people



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## For more information:

[www.usaid.gov](http://www.usaid.gov)

[www.usaid.gov/what-we-do/science-technolog-and-innovation](http://www.usaid.gov/what-we-do/science-technolog-and-innovation)

[www.usaid.gov/southern-africa-regional](http://www.usaid.gov/southern-africa-regional)

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## PEER Science Grants, by USAID Region (n=98)

