



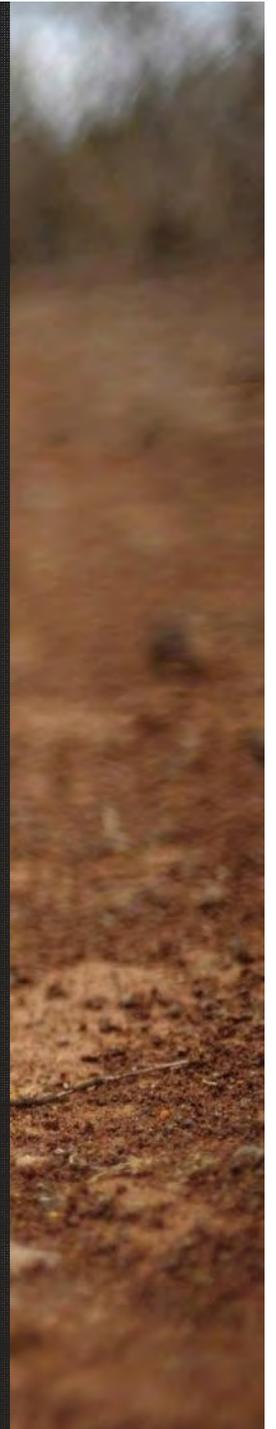
# U.S. GLOBAL DEVELOPMENT **LAB**

Accelerating development  
through science innovation and  
partnership



# WE CAN END EXTREME POVERTY

For the first time in history, we have the **tools, technologies, and approaches** to end **extreme poverty** and its most devastating consequences -- including widespread hunger and preventable child death -- **in the next two decades.**





## OUR LEGACY

USAID's legacy of developing and implementing innovative breakthroughs—from the seeds of the green revolution, to microfinance, to oral rehydration therapy—has saved lives, created economic opportunity, and advanced human development.



# ACHIEVED



**50 MILLION**

now have access to clean,  
safe water



**3 BILLION**

people in 150 countries have  
benefited from Food for Peace



Over

**5 MILLION**

mobile financial  
transactions in Haiti



Skilled providers  
assist mothers in

**50%**

of all births



**NEARLY 40%**

of girls in Afghanistan in school



**SMALL POX**

eradicated

“To support an open source development approach, our Agency must serve as a platform that connects the world’s biggest development challenges to development problem solvers — all around the world. We recognize that talent is everywhere, but opportunity is not.”

USAID Administrator Dr. Rajiv Shah,  
Aspen Institute, August 2012



# OPPORTUNITY FOR AMERICA

The developing world is critical to American prosperity and security.

**Opens current and future markets for entrepreneurs.** There are countless current market opportunities for American technologies to be brought to scale in the developing world -- if the right tools and partnerships were in place.

In addition, the **largest source of growth for U.S. products and services** over the next forty years is in the developing world. Greater prosperity in low income countries can lead to more jobs in the United States as markets for exports expand.

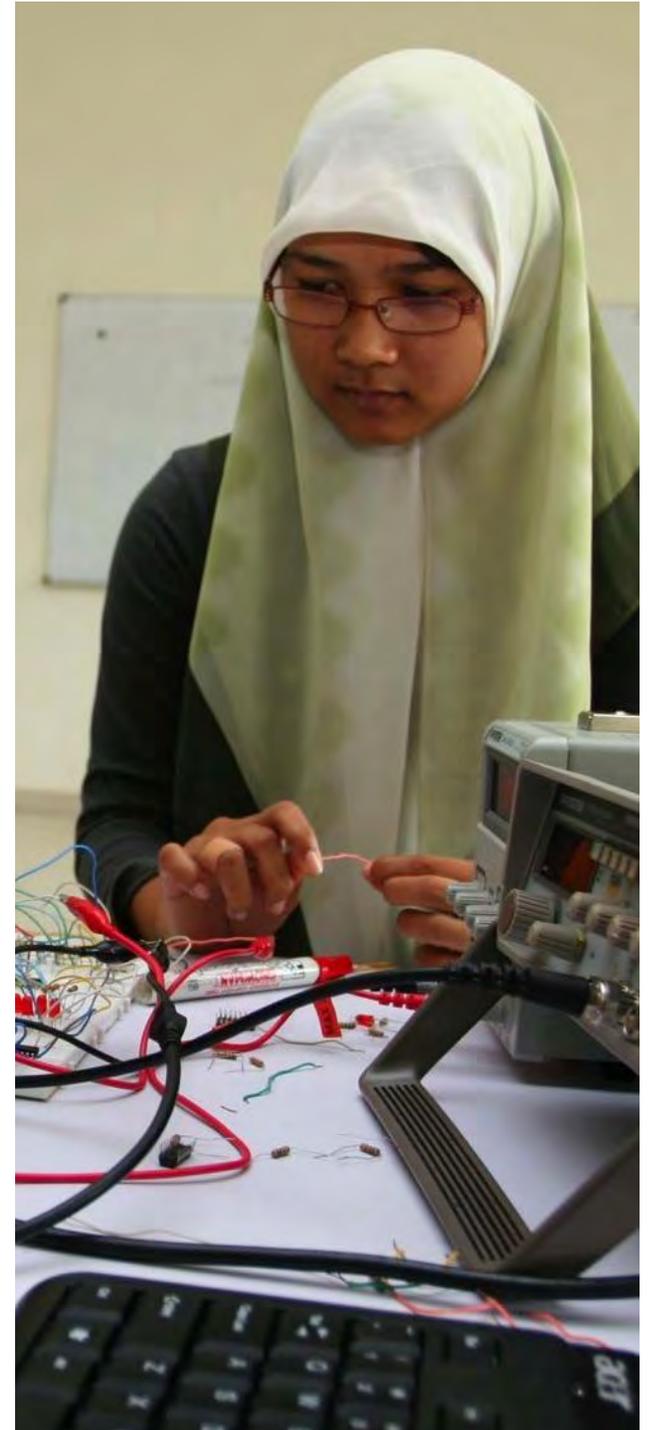
**Often transferable here at home.** The breakthroughs that are pioneered for the developing world will likely produce improvements in health and economic growth for the United States, such as low cost health diagnostics and treatments.

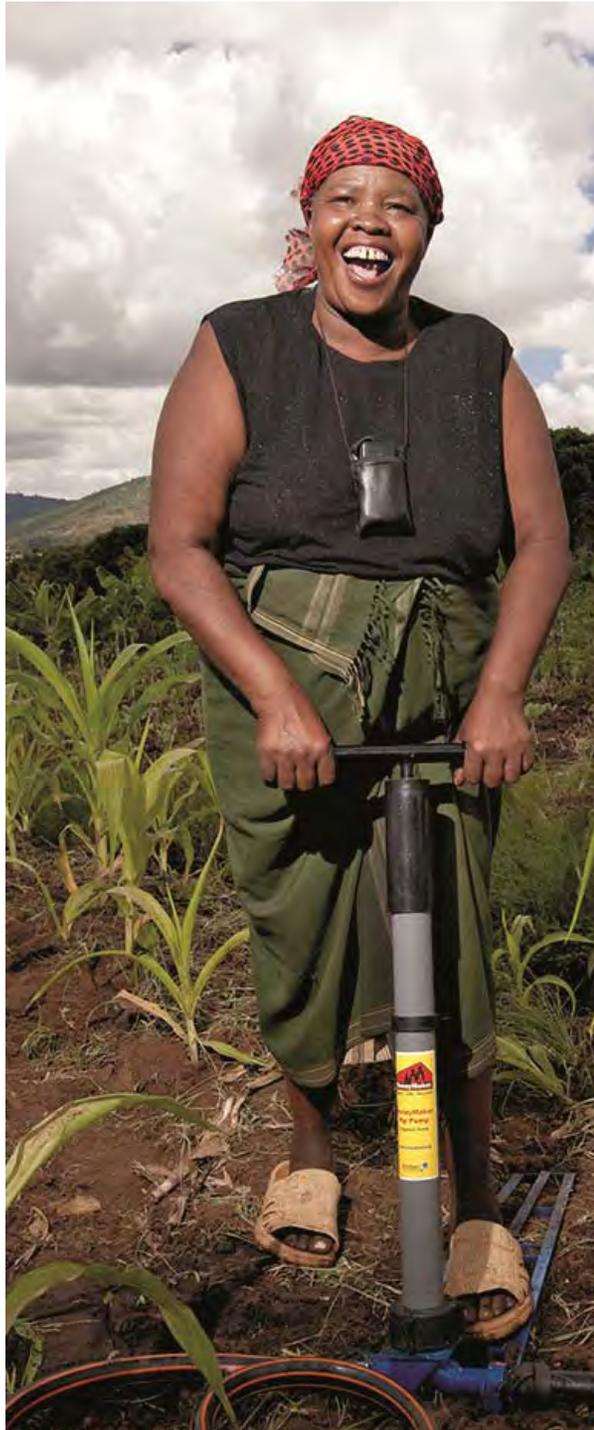
**Science diplomacy makes us safer.** Connecting America's unique scientific community, innovation ecosystem and ingenuity with global partners in countries critical to our foreign policy goals strengthens our impact and provides new avenues to foster free, safe, healthy and prosperous societies.



# Development is Changing

- Private resource flows to developing countries dwarf official development assistance
- Science, technology, big data, and communications advances are accelerating
- Boundaries of 'development sector' as we know it are disappearing
- All segments of American society— demonstrating desire to engage in global challenges.





How do we connect the world's innovators together, support their discoveries, and scale the solutions that will end extreme poverty?



# THE U.S. GLOBAL DEVELOPMENT LAB

USAID is spearheading a bold, new approach to discover, test, and scale solutions to help people lift themselves out of poverty.

The U.S. Global Development Lab (The Lab) will accelerate the application of science, technology, innovation, and partnerships (STIP) to solve some of the most complex development problems more cost-efficiently and effectively.



## THE APPROACH

Collaborate with host-country counterparts, entrepreneurs, world-class experts from corporations, NGOs, universities, and science and research institutions to solve development challenges more cost-efficiently and effectively

## THE LAB WILL

- Source, discover and scale new technologies and innovations;
- Build partnerships to co-design new solutions and take them from pilots to global impact;
- Inspire, strengthen, and link the brightest young minds in America with those in our partner countries; and
- Improve USAID's development impact by supporting scientific and innovative approaches to strategic decision making, procurement, and program design

NEW PARTNERS • CO-DESIGNED SOLUTIONS • FLEXIBLE IMPLEMENTATION • CATALYZE GLOBAL ACTION  
UNIVERSITIES & RESOURCES

## Examples of Lab Programs and Capabilities

**Six programs which embody key principles of a STIP approach to development:**

Program	Summary
<b>Grand Challenges for Development</b>	<i>Open innovation approach to crowdsourcing science &amp; technology driven solutions to specific evidence-based development challenges</i>
<b>Development Innovation Ventures (DIV)</b>	<i>Global competition, rooted in venture capital investing approaches, to providing staged-financing to evidence-based development innovations</i>
<b>Higher Education Solutions Network (HESN)</b>	<i>Network of 7 “development labs” which harness the power of leading universities to apply science, technology and engineering approaches to development challenges</i>
<b>Partnerships for Enhanced Engagement in Research (PEER)</b>	<i>Providing support for researchers in the areas of food security, climate change, water, biodiversity, disaster mitigation, and renewable energy</i>
<b>Mobile Solutions</b>	<i>Tapping the power of mobile technology to advance and accelerate development</i>
<b>Global Partnerships / Global Development Alliance (GDA)</b>	<i>Building “shared value” partnerships with the private sector which advance market-based solutions to development challenges</i>

# The Lab Builds on Results



- **Pratt Pouch:** HIV antiretrovirals requiring no refrigeration
- **Mero Gao Power:** Solar powered microgrids
- **bCPAP:** Low cost device to deal with infant respiratory failure
- **Odon device:** Assisted delivery device
- **Sproxil:** Text-based 911 service to identify counterfeit drugs
- **Mobile financial services:** Paying police and teachers through mobile phones



# ACCELERATING PROGRESS

- Launched five Grand Challenges for Development
- Created Development Innovation Ventures (DIV)
- Established seven Development Labs with leading universities as part of the Higher Education Solutions Network
- Formed 3,000 public-private partnerships, which leverage private sector resources, skills, and assets to achieve development outcomes
- Forged new partnership with U.S. government agencies

## RIGHT NOW AT USAID



**6000**

have applied to  
open-source development  
programs



**65%**

have never worked with  
USAID before



**50%**

of Grand Challenges ideas  
come from the developing  
world



**200**

new solutions are in  
testing, field trials or being  
scaled



**383 MILLION**

leveraged through  
private-public  
partnerships

# THE LAB IS THE NEXT EVOLUTION OF USAID

Using the power of STIP,  
the Lab supports U.S.  
Foreign Policy and  
development goals, with a  
two-part Mission:

**Produce breakthrough  
development innovations**

**Accelerate the  
transformation of the  
U.S. development  
enterprise**



# LAB STRUCTURE



## What's Different:

- Focused team and disciplined process for achieving global scale
- New integrated research and development shop
- Greater connectivity with USAID Missions and Pillar and Regional Bureaus
- Rigorous impact evaluation process ensuring evidence before investment
- Increased engagement with youth, scientists, corporations, entrepreneurs, local solution holders. and other partners

# OUR ACTIVITIES

- All Children Reading
- Counter Trafficking in Persons Campus Challenge
- Atrocity Prevention Tech Challenge
- Wildlife Trafficking Tech Challenge
- DEC Data Analytics Challenge
- Rural Broadband Prize
- Desal Prize

## Prizes

- Securing Water for Food
- Saving Lives at Birth
- Making All Voices Count
- All Children Reading
- Powering Agriculture

## Challenges

- Partnerships for Enhanced Engagement in Research:
  - Science
  - Health
- Global Partnerships

## Partnerships

- Development Innovation Ventures
- Global Development Innovation Ventures
- Internal Development Innovation Ventures

## Ventures

- Research Innovation Fellowships
- AAAS Fellows
- Jefferson Fellows
- Lab Fellows

## Fellowships

- Higher Education Solutions Network
- Cornerstone Partners

## Networks

- Mobiles
- Open Data
- Operational Innovation

## Platforms

# HOW THE LAB WILL WORK

## **Co-Create**

A diverse network of Cornerstone Partners have committed to share knowledge, solve problems, and scale solutions to hundreds of millions of people.

## **Innovate and Scale**

We will work to systematically discover, test, and scale proven, cost-efficient solutions to development challenges.

## **Learn**

The Lab takes a data-driven and evidence-based approach to program design and decision making, in order to build more effective, high impact, sustainable strategies and programs, iterate quickly, and measure impact.

# OUR FOCUS

- Food Security and Nutrition
- Modernizing Food Assistance
- Ending Preventable Child & Maternal Deaths
- Energy Access
- Water Solutions
- Child Literacy
- Financial Inclusion
- Rights, Participation & Accountability
- Humanitarian Response



# U.S. GOVERNMENT PARTNERS

## Share

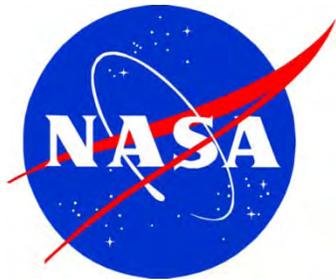
identify critical challenges, and share data and knowledge

## Solve

invent and test game-changing solutions; invest in local hubs

## Scale

reach hundreds of millions of people



MILLENNIUM  
CHALLENGE CORPORATION  
UNITED STATES OF AMERICA



THE U.S. GLOBAL DEVELOPMENT LAB LEVERAGES THE STRENGTHS AND SPECIALTIES OF THE US GOVERNMENT TO FIND SOLUTIONS TO THE WORLD'S MOST INTRACTABLE CHALLENGES.

# LAB CORNERSTONE PARTNERS

**Share**  
 identify critical challenges, and share data and knowledge

**Solve**  
 invent and test game-changing solutions; invest in local hubs

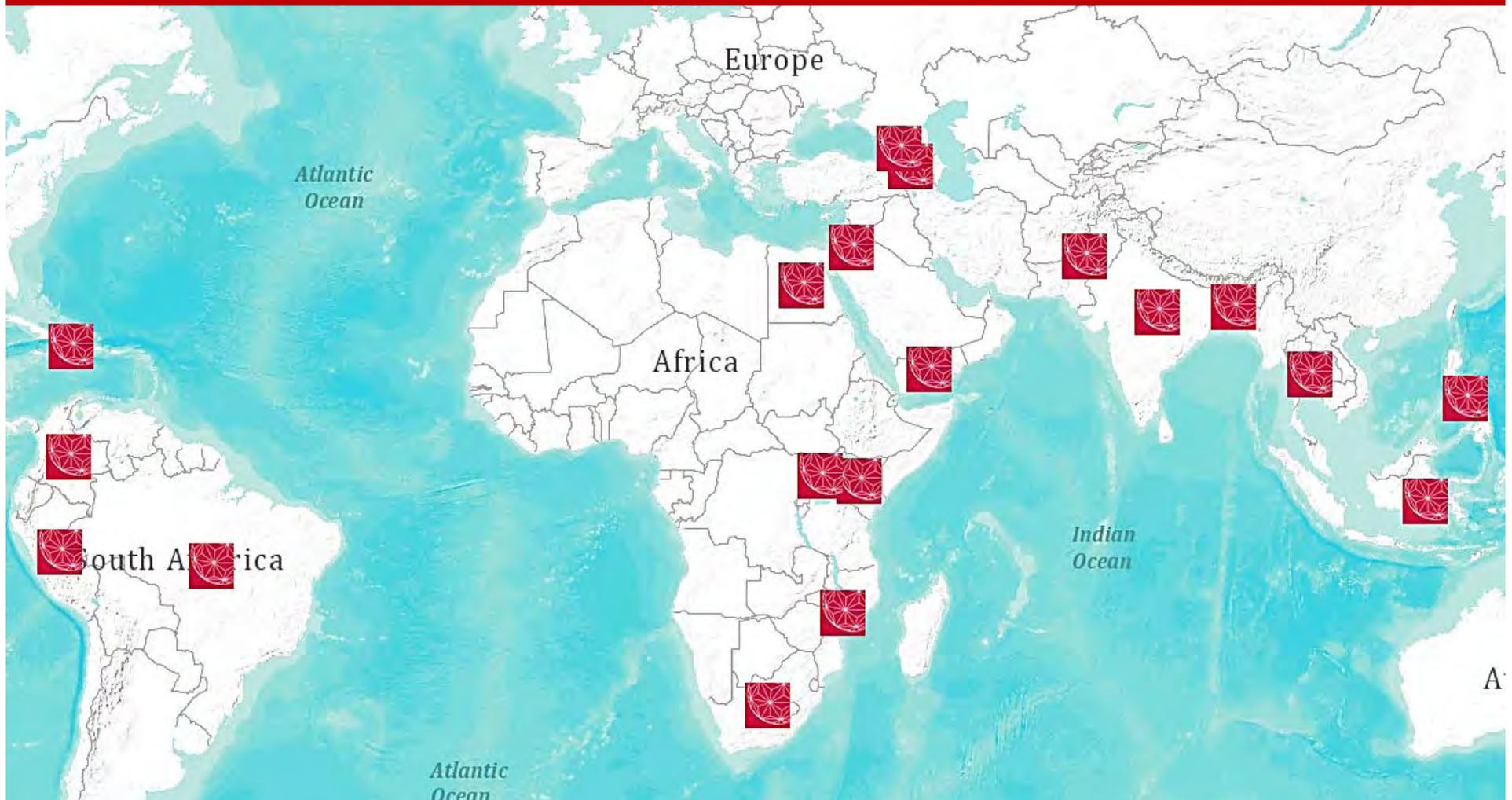
**Scale**  
 reach hundreds of millions of people



BUSINESSES, NGOS, FOUNDATIONS, UNIVERSITIES AND GOVERNMENTS ARE COLLABORATING WITH US TO SHARE KNOWLEDGE AND FIND SOLUTIONS TO THE WORLD'S MOST INTRACTABLE CHALLENGES.

# 20 SCIENCE, TECHNOLOGY, INNOVATION AND PARTNERSHIP (STIP) LEAD MISSIONS

Armenia, Bangladesh, Brazil, Colombia, Egypt\*, Georgia, Haiti, India, Indonesia, Jordan, Kenya, Mozambique, Pakistan, Peru, Philippines, RDMA, South Africa, Southern Africa Regional, Uganda\*, Yemen





## **STIP MISSION SIGNATURE EFFORTS**

A collaboration that applies Science, Technology, Innovation, or Partnership to deliver more effective, cost-efficient results in global development.



# LAB SERVICES AND SUPPORT

# MECHANISMS & TOOLS

- FSN Fellowships
- Research and Innovation Fellowships
- Mobile Solutions
- Development Innovation Ventures (DIV)
- Challenges
- Prizes
- Global Partnerships
- AAAS Fellows
- PEER
- Others being developed...

# TECHNICAL ASSISTANCE

- GeoCenter
- PEER
- Federal Science Agency Engagement
- AAAS Fellows
- Mobile Solutions
- Data and Analytics
- HESN
- DIV
- Challenges and Prizes
- Global Partnerships



# JOIN US:

Share Knowledge, Insight, Experience.

Solve Problems & Challenges

Scale Solutions

# PARTNER:

JOIN THE U.S. GLOBAL DEVELOPMENT LAB  
AND BECOME PART OF THE SOLUTION.

Visit us at: [www.usaid.gov/GlobalDevLab](http://www.usaid.gov/GlobalDevLab)  
Facebook: [www.usaid.gov/GlobalDevLab](http://www.usaid.gov/GlobalDevLab)  
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