



PEER AFRICA FORUM '18

DATA FOR DECISION MAKING

30TH JULY - 2ND AUGUST.



USAID
FROM THE AMERICAN PEOPLE

*The National
Academies of*

**SCIENCE
ENGINEERING
MEDICINE**

Annica Wayman, PhD

Division Chief, Research Partnerships for Development Unit

U.S. Global Development Lab at USAID



derekbrown@mac.com

USAID'S MISSION

On behalf of the American people, we promote and demonstrate democratic values abroad, and advance a free, peaceful, and prosperous world. In support of America's foreign policy, the U.S. Agency for International Development leads the U.S. Government's international development and disaster assistance through partnerships and investments that save lives, reduce poverty, strengthen democratic governance, and help people emerge from humanitarian crises and progress beyond assistance.



USAID's Partnerships for Enhanced Engagement in Research (PEER)

PARTNERSHIPS FOR ENHANCED ENGAGEMENT IN RESEARCH

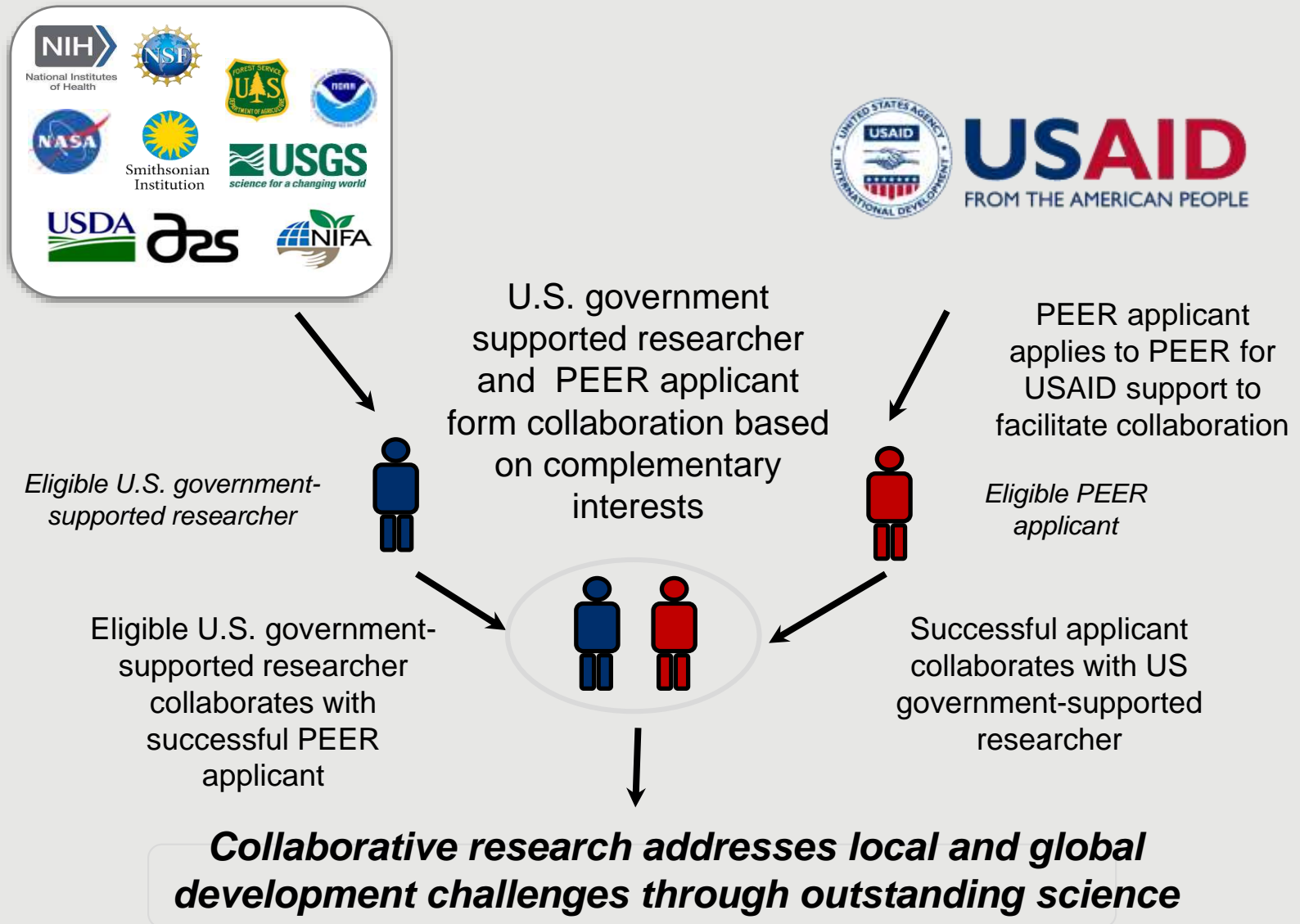
PEER is a 10 year Cooperative Agreement between USAID and The National Academies of Sciences, Engineering, and Medicine with a \$100 million ceiling to support local scientists partnering with USG researchers

The National Academies of
SCIENCES • ENGINEERING • MEDICINE



Dr. Jamaluddin Jompa

THE PEER MODEL



LEVERAGING RESEARCH PARTNERS

US Federal Science Agencies

Private Sector



Collaboration, Critical Evidence and Capacity Strengthening

- Bilateral and Multi-stakeholder partnerships
- National science funding support
- Women's mentorship program
- Workshops and forum
- Partner Travel Supplements
- Evidence to Action Awards



PEER BY THE NUMBERS 2011-2018



280+ PROJECTS
50 COUNTRIES

PEER projects
supported with \$55M+
USAID funds



300+ LOCAL
SCIENTISTS &
ENGINEERS

64% of whom had no
previous connection to
USAID



\$ 440+ MILLION

In resources leveraged

11 PARTNER ORGS:

9 USG agencies and two
private companies



More than 800

Journal articles and technical
reports



OVER 3000

students working on
PEER teams, 55%
female



More than
75%

of PEER Pls obtain
further funding

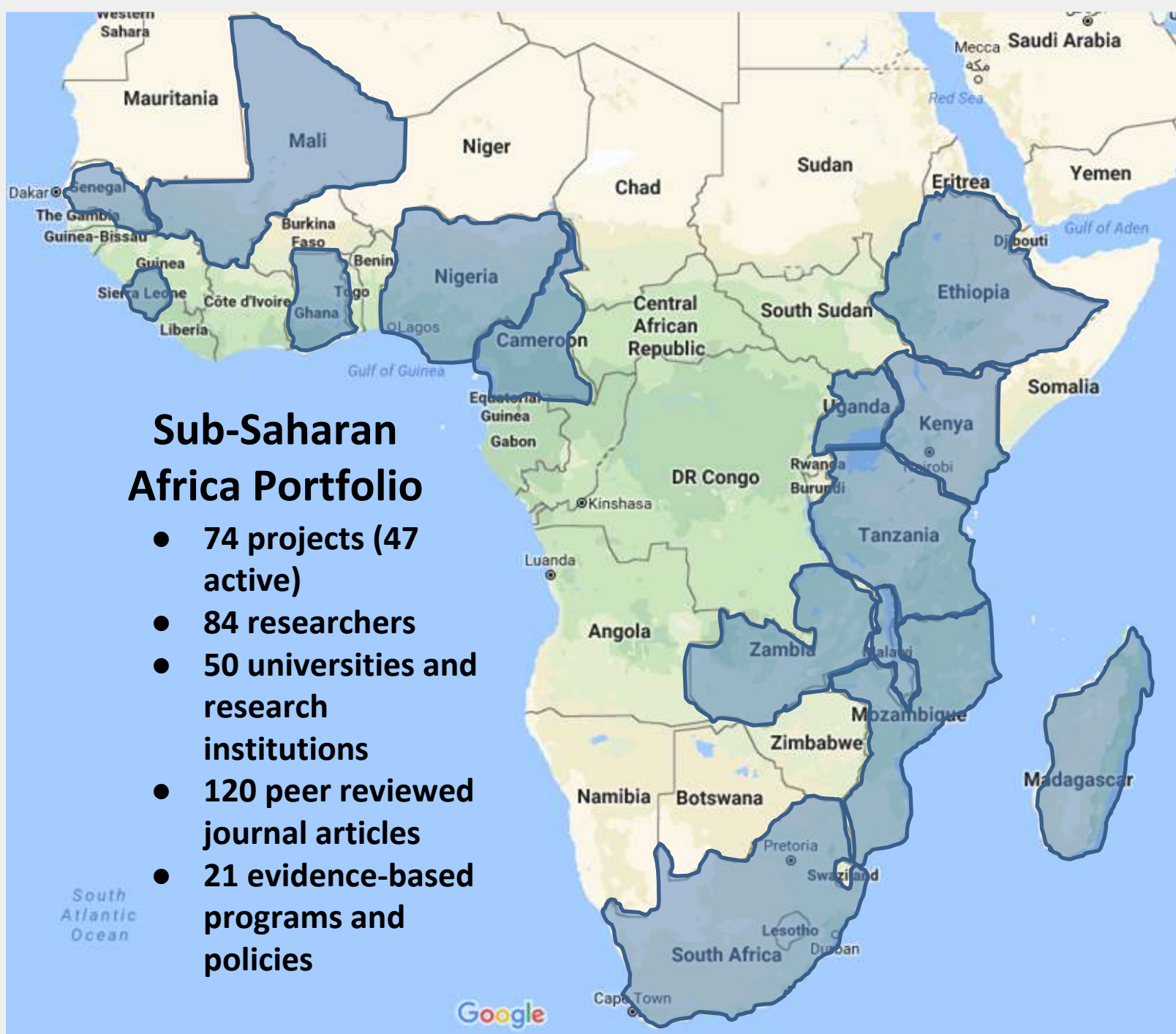


57 evidence
based

improvements to
programs and policies

Sub-Saharan Africa Portfolio

- 74 projects (47 active)
- 84 researchers
- 50 universities and research institutions
- 120 peer reviewed journal articles
- 21 evidence-based programs and policies



Future Directions

- Networks of researchers
- Cross-sectoral collaboration to solve high-priority development challenges
- Translating research into action and decision making



RESEARCH TECHNICAL ASSISTANCE CENTER (RTAC)

SCIENCE, TECHNOLOGY, INNOVATION, AND
PARTNERSHIP ANNUAL PROGRAM STATEMENT
(STIP APS)

LONG-TERM ASSISTANCE AND SERVICES FOR
RESEARCH (LASER)



HIGHER EDUCATION SOLUTIONS NETWORK 2.0

Working closely with universities, scientists and development actors from around the world, the Higher Education Solutions Network 2.0 enhances USAID's mission through convening, researching, testing and translating solutions to development challenges.

HESN 2.0 will leverage a vast network of higher education institutions, local stakeholders, private enterprise, and other development actors to increase the use of scientific research for development, refine and translate complex data, build local scientific potential, and test new and innovative development approaches. HESN 2.0 will also provide a platform for USAID to co-create with multiple stakeholders to address critical development challenges and inform future policies and programs.

HESN 2.0 is a portfolio of two flagship programs and three additional programs which launched in 2018. The flagship programs are **Partnerships for Enhanced Engagement in Research (PEER)** and the **Higher Education Solutions Network**. Under the HESN 2.0 portfolio the array of partners developed under PEER and the original HESN program will be augmented by the **Long-term Assistance and Services for Research (LASER)** network, a myriad of technical experts organized by the **Research Technical Assistance Center (RTAC)**, and an open source platform, the **Science, Technology, Innovation, and Partnerships Annual Program Statement (STIP APS)**. This expanded global network of development actors, platforms and programs will allow USAID to source, convene, fund and translate research in new and impactful ways. HESN 2.0's design allows the entire development system, from researchers, to innovators, to partners, policy makers and end-users to be engaged and educated, thus contributing to more sustainable development outcomes.

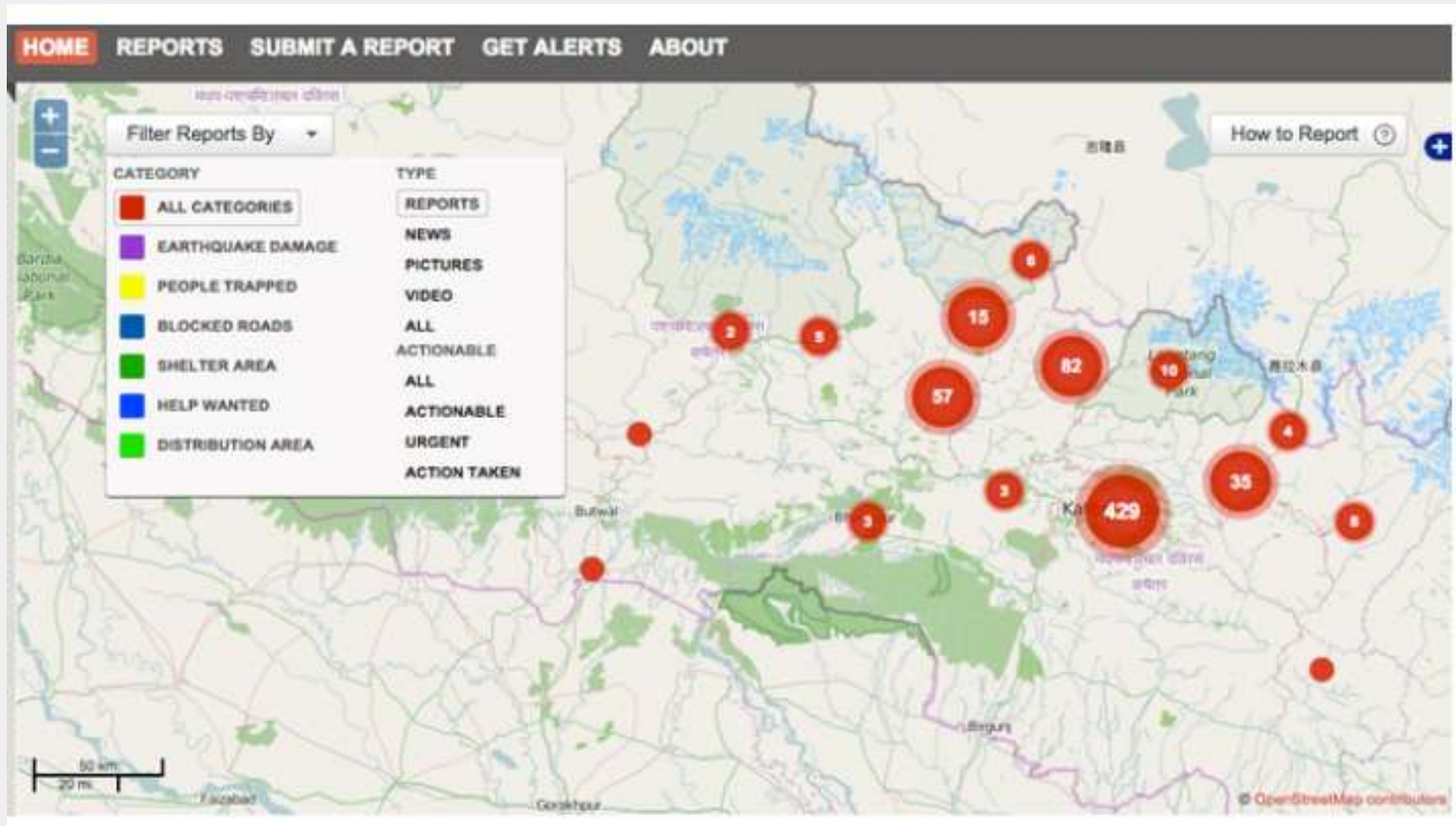
PEER Africa Forum 2018

Data for Decision-Making

Why Data for Decision-making?

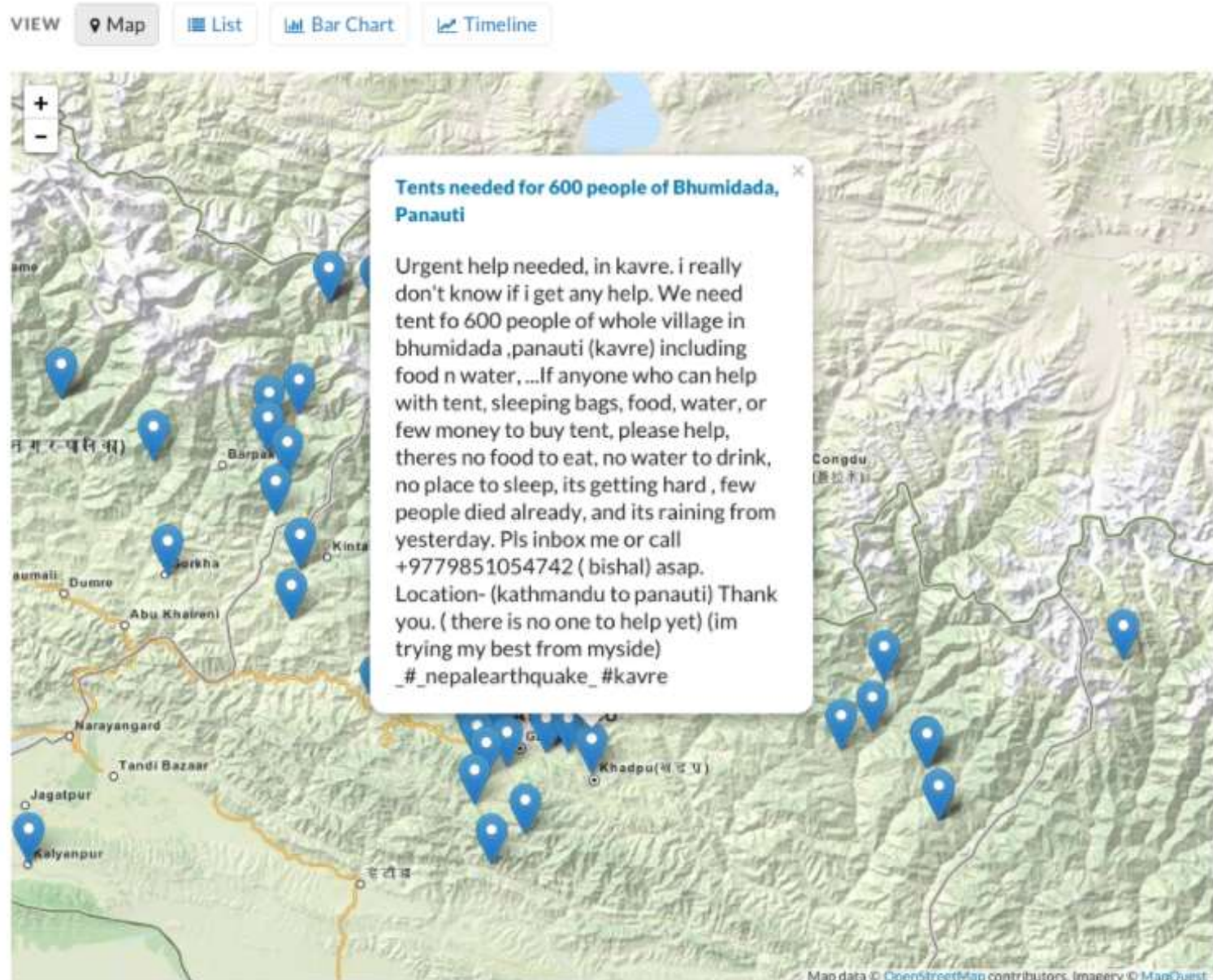
- Expertly managing and sharing data enables new analysis and scientific discoveries
- The power of data and data-driven solutions to solve pressing global development challenges
- Role of data and technology in helping people emerge from humanitarian crises and progress beyond aid

Example: Quakemap Nepal



Trustworthy, usable data unlocked rapid response to earthquake

Example: Quakemap Nepal



Example: Mining Health Records to Improve Antiretroviral Treatment



[BMC Public Health](#)
December 2016, 16:938 | [Cite as](#)

Act local, think global: how the Malawi experience scaling up antiretroviral treatment has informed policy

Authors [Authors and affiliations](#)

Anthony D. Harries , Nathan Ford, Andreas Jahn, Erik J. Schouten, Edwin Libamba, Frank Chimba

[Open Access](#) | [Correspondence](#)
First Online: 06 September 2016

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Citations

Part of the following topical collections:

- [Health policies, systems and management in low and middle-income countries](#)

Abstract

The scale-up of antiretroviral therapy (ART) in Malawi was based on a public health approach adapted to its resource-poor setting, with principles and practices borrowed from tuberculosis control framework. From 2004 to 2015, the number of new patients

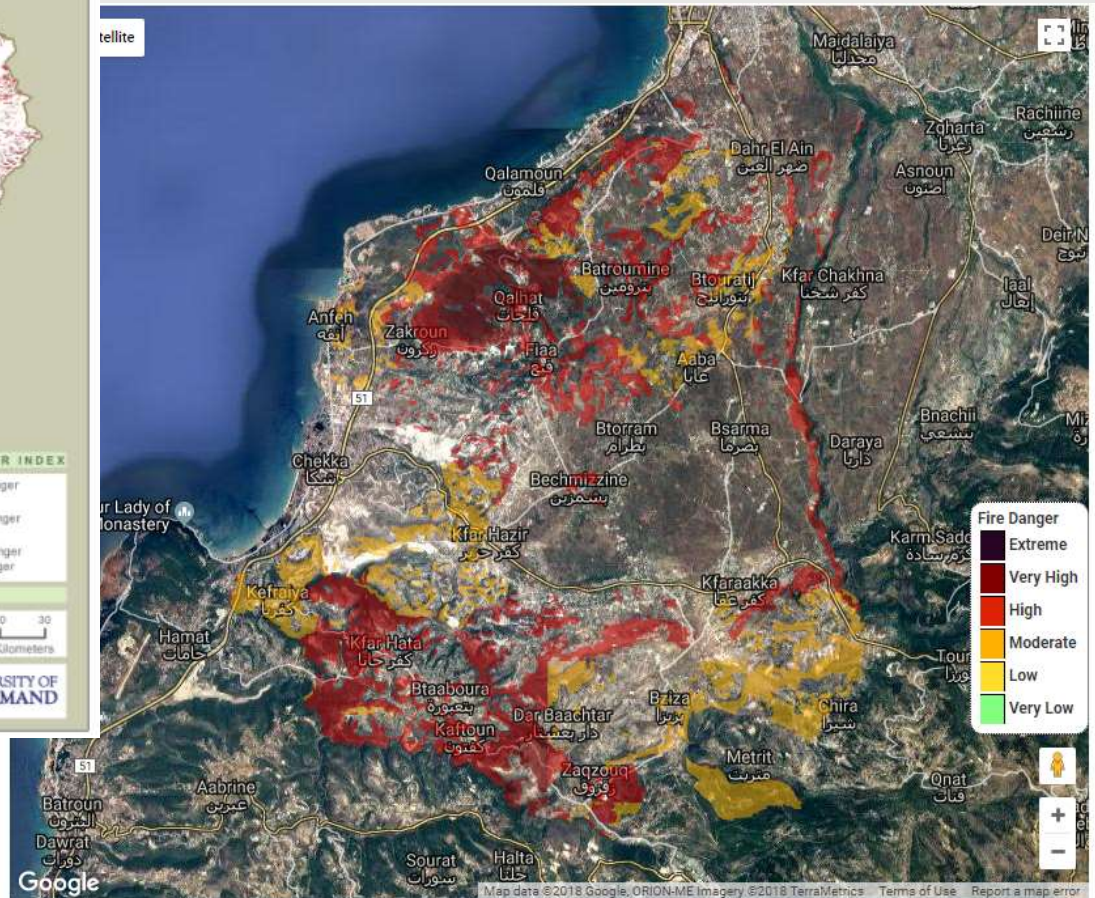
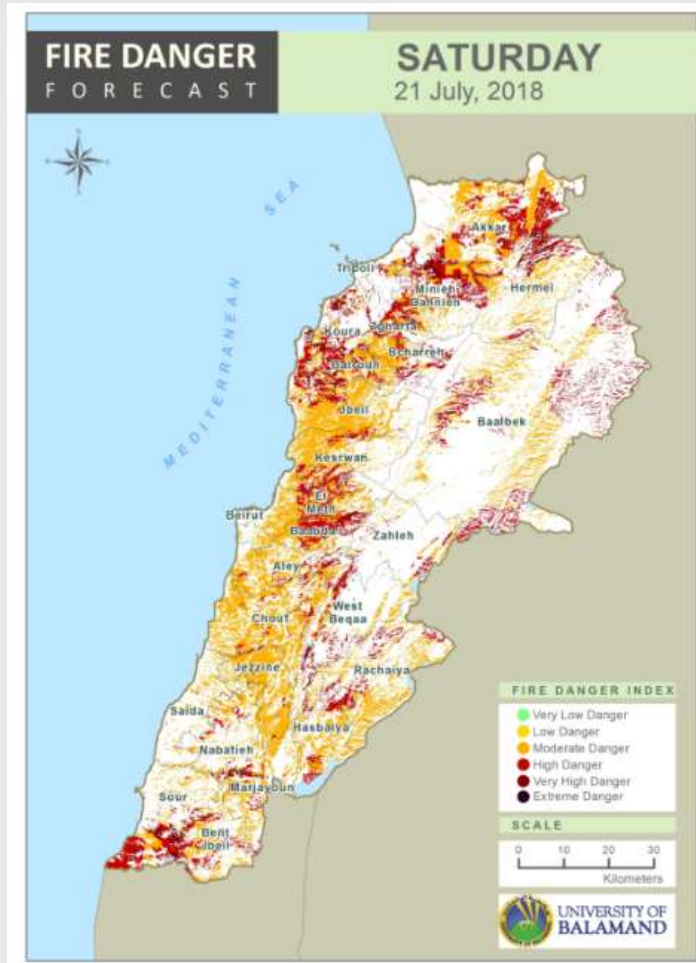
Table 1

Characteristics and outcomes of patients ever started on antiretroviral treatment (ART) in Malawi up to June 30th, 2015

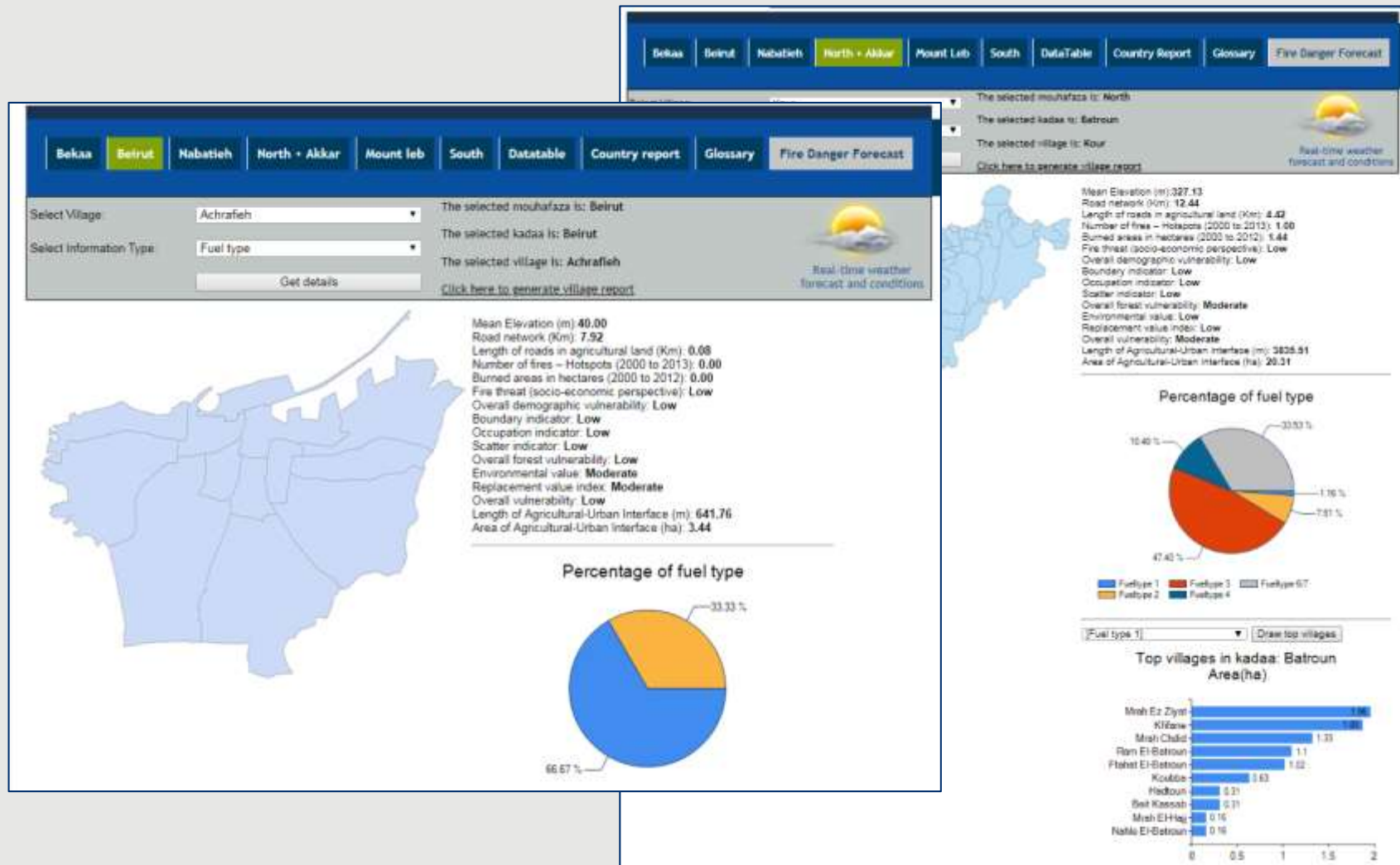
	Number	(%)
Total ART clinic registrations (these include first-time ART initiations, re-initiations after treatment interruption and patients transferring from one site to another)	1,025,754	(100)
Registration type:		
First time ART initiations	820,367	(80)
ART re-initiations after treatment interruption	11,520	(1)
ART transfers from one clinic to another	193,867	(19)
Gender at ART initiation:		
Male	369,284	(36)
Female	656,470	(64)
Non-pregnant	536,145	(82)
Pregnant	120,325	(18)
Age at ART initiation:		
Adults aged 15 years and above	936,603	(91)
Children 0–14 years	89,151	(9)
Reason for starting ART:		
Presumed severe HIV disease	3520	(<1)
Confirmed HIV infection—WHO Stage 1 or 2	447,066	(43)
Confirmed HIV infection—WHO Stage 3	467,590	(47)
Confirmed HIV infection—WHO Stage 4	100,379	(10)
Unknown	7199	(<1)
Primary outcomes by 30 June 2015: ^a		
Alive on ART	565,105	(69)
Lost to follow up	174,554	(21)
Stopped ART	3366	(<1)
Died	77,342	(10)

Example: Real Time Data Tools for Fire Management

Data enabled decision-makers to prioritize measures to prevent and minimize fire risk



Example: Real Time Data Tools for Fire Management



PEER Forum 2018:

- 1) Technology, tools, and data for research and development
- 2) Technical presentations from PIs with a focus on impact
- 3) Expertly managing and sharing data
- 4) Action planning workshop (stakeholder mapping, strategic communications)

Thank you!

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@GlobalDevLab

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Extra Slides



PEER GROWTH OVER 5 YEARS

