

We partner to end extreme poverty while promoting inclusive growth, resilient democratic societies and advancing our security and prosperity.

The Lab is an innovation hub for USAID

- We source and scale innovations, tools and approaches.
- We're transforming the development enterprise.



	Main feature	Details
Organic growth with selective out-sourcing	Scale-up led and coordinated by the innovator, selectively outsourcing activities to partners. The innovator often creates a new entity to drive the scale-up	 Select functions are outsourced to partners, including any combination of the following: Upstream partners to help facilitate clinical, regulatory and policy requirements Contract manufacturers and suppliers Partners to provide logistics/distribution and servicing capacities Partners to help generate user demand and ensure user adoption (e.g., marketing, user training) Partners to reach and acquire buyers (e.g., sales, tender response)
Multi- stakeholder partnership	Multiple partners (including the innovator) with common or complementary interests work together to drive scale-up. This often includes private sector partners and can be referred to as public-private partnerships	 Partnership provides partners with a platform to work together and pursue a common agenda, sometimes with formally outlined objectives, key policies and principles to guide actions A project manager (one individual or a team) could be chosen to coordinate activities among the partners. This role is also referred to as an "uptake coordinator"
		 Innovator retains ownership and some decision-making power, and could handle selected scale-up functions
Licensing out	Licensing rights to parties to drive commercialization and generate a financial payback to the innovator	 Licensing can occur at all stages, from early product development to scale-up Rights that are licensed out could be limited by geography, market segment, and/or "field of use" (with the innovator retaining ownership of the IP)
		 Innovator's degree of engagement and control can vary widely, based on the contract's terms
Open	Replicating the product technology by setting up an open license that allows others to use the IP	 IP owner allows others to use the technology through an open license with few or no restrictions. Other organizations can build on the IP to enhance the product
		 Innovator could choose to remain involved and provide ongoing support to replicators of the technology
		 This model can be extended to include cases when an innovator does not create any license and simply allows others to freely use the technology (particularly relevant for hardware innovations, which could be more costly and burdensome to establish IP for than software innovations)
Getting 5	Sale of innovation or business to a buyer	 Sale can occur at all stages, from early product development to scale-up
		 Aspects being sold could be limited to intellectual property (through a full technology transfer, where the innovator loses ownership of the innovation), or include physical assets, part or all of the organization

Organic growth

selective

sourcing

with

out-

Scale-up led and coordinated by the innovator, selectively outsourcing activities to partners. The innovator often creates a new entity to drive the scale-up

Main feature

Details

- Select functions are outsourced to partners, including any combination of the following:
 - Upstream partners to help facilitate clinical, regulatory and policy
 - Contract manufacturers and suppliers
- Partners to provide logistics/distribution and servicing capacities
- Partners to help generate user demand and ensure user adoption (e.g., marketing, user training)
- Partners to reach and acquire buyers (e.g., sales, tender response)



the innovator) with

Multiple partners (including . Partnership provides partners with a platform to work together and nursue a common agenda, sometimes with formally outlined objectives,

SCALING I

is also referred to as

aking power, and



COMPLICATED

 Innovator's degree of engagement and control can vary widely, based on the contract's terms



Replicating the product technology by setting up an open license that allows others to use the IP

- IP owner allows others to use the technology through an open license with few or no restrictions. Other organizations can build on the IP to enhance the product
- Innovator could choose to remain involved and provide ongoing support to replicators of the technology
- This model can be extended to include cases when an innovator does not create any license and simply allows others to freely use the technology (particularly relevant for hardware innovations, which could be more costly and burdensome to establish IP for than software innovations)



Sale of innovation or business to a buyer

- Sale can occur at all stages, from early product development to scale-up
- Aspects being sold could be limited to intellectual property (through a full technology transfer, where the innovator loses ownership of the innovation), or include physical assets, part or all of the organization

What models help us understand the diffusion of innovation thinking?

Where do people fit?

HIGHER EDUCATION SOLUTIONS NETWORK













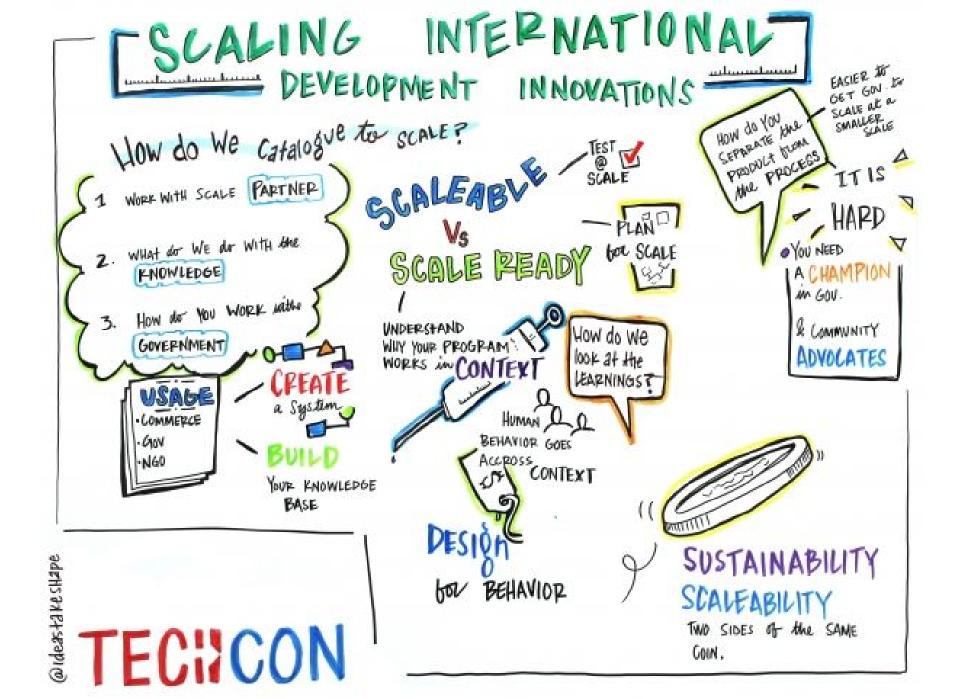


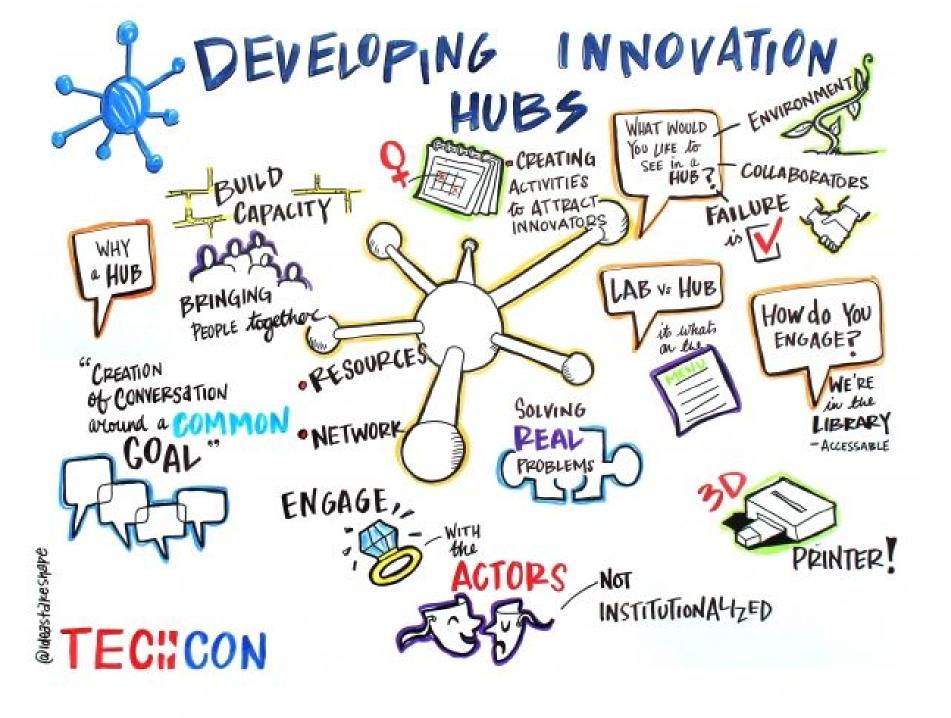
HESN brings together a network of...

- 8 core university programs focused on Science, Technology,
 Innovation and Partnership for development
- Encompassing 685 partners in academia, the private sector, civil society, and governments
- Ranging across 80+ countries
- Leveraging \$61.3 million in program support via cash and in-kind donations since 2012

Resulting in...

- 424 innovations created, developed, or evaluated
- \$66 million in external financial support
- 200 data tools, technologies and approaches created
- 2,000 development professionals trained in data management













Ideas & Agency

Push to Prototype

Trial By Community

University Experts & Evidence

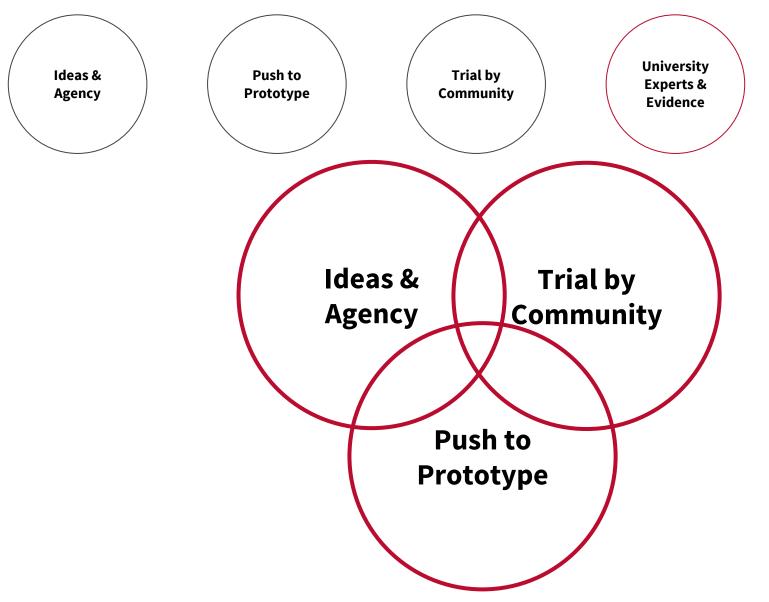
Startup
Investment
& Social
Impact











Massachusetts
Institute of
Technology



International Development Innovation Network

Startup

Investment

& Social

Impact



IDIN's Theory of Change

If we introduce people around the world to a **collaborative design approach**, then connect them to a **network of innovators** and an **ecosystem of support**, then they will **generate solutions to development challenges** and **spread the approach** of collaborative design.

Introduction

Introduce people to a collaborative design approach through summits, CCBs, classes and other design trainings.

4 summits
36 CCB trainings
17 university classes
450+ Network members
2000+ participants

Ecosystem

Support projects through grants, tools, workshop space, and advising.

Connect innovators through local chapters, platforms and links to opportunities in HESN and beyond.

56 project grants
3 innovation centers + 5 maker spaces
11 consortium partners
7 local chapters
10+ virtual platforms

Outcomes

More people generate solutions to development challenges.

More people spread the approach of collaborative design.

90+
innovations
reaching
120,000+
beneficiaries

88
IDIN-inspired classes and trainings

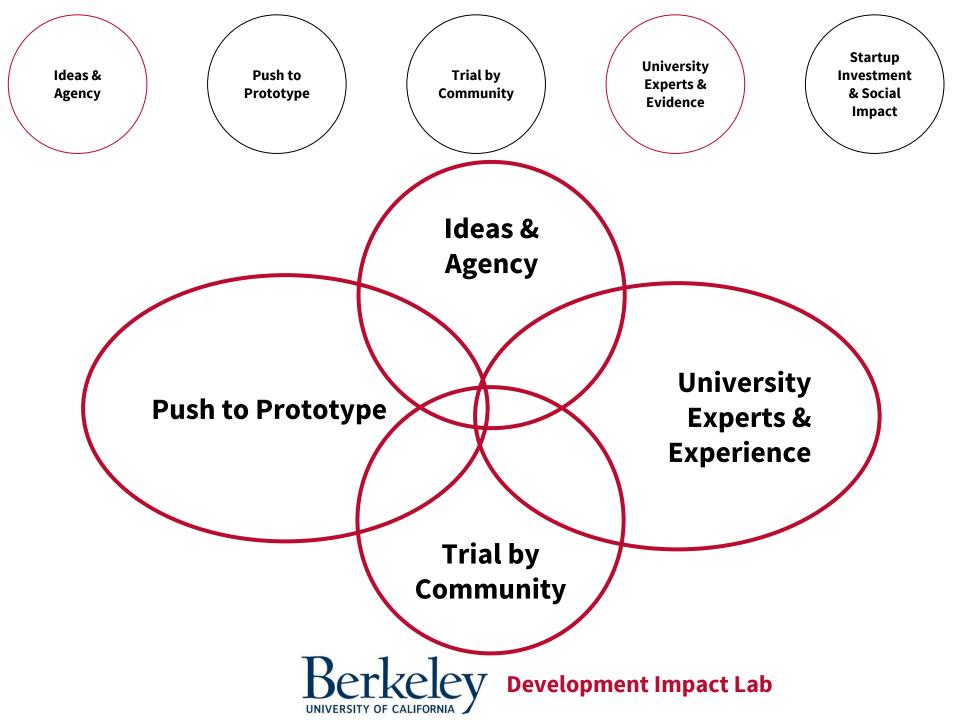




Massachusetts Institute of Technology



International Development Innovation Network





The Development Impact Lab (DIL) at UC Berkeley designs technologies for scale and impact by:

 Integrating insights from development economics into engineering innovation; then evaluating at scale.

(Ex: Launching the field of Development Engineering)

 Developing real-time data solutions to revolutionize the way data are used in international development.

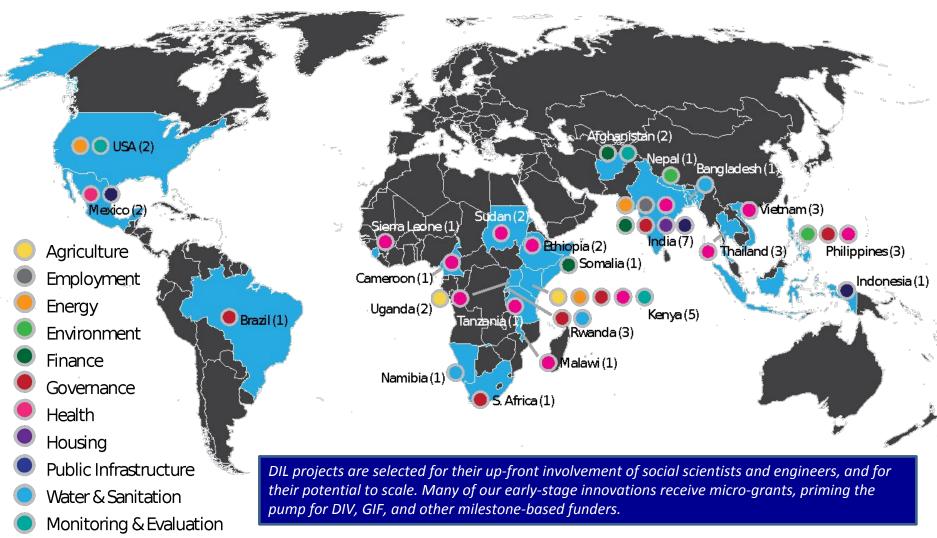
(Ex: Mezuri: a cloud-based platform for development analytics)

Generating impact at scale through research.

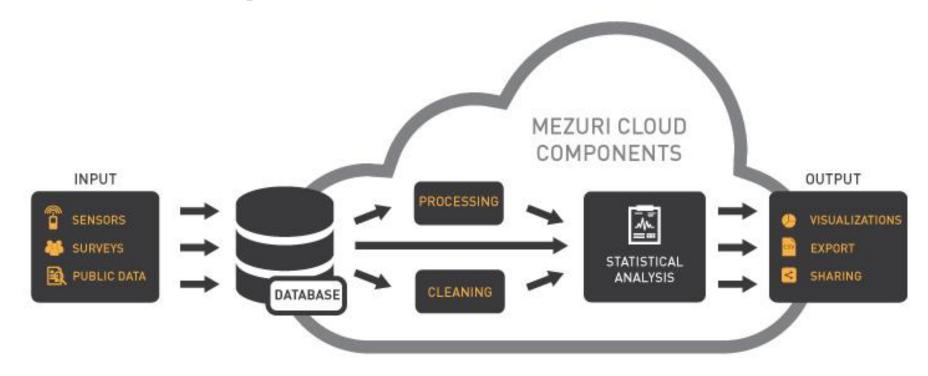
(Ex: Will reach 1M+ Kenyans through the Rural Electrification Project)

Build scale into the design process.

... by bringing economics into engineering

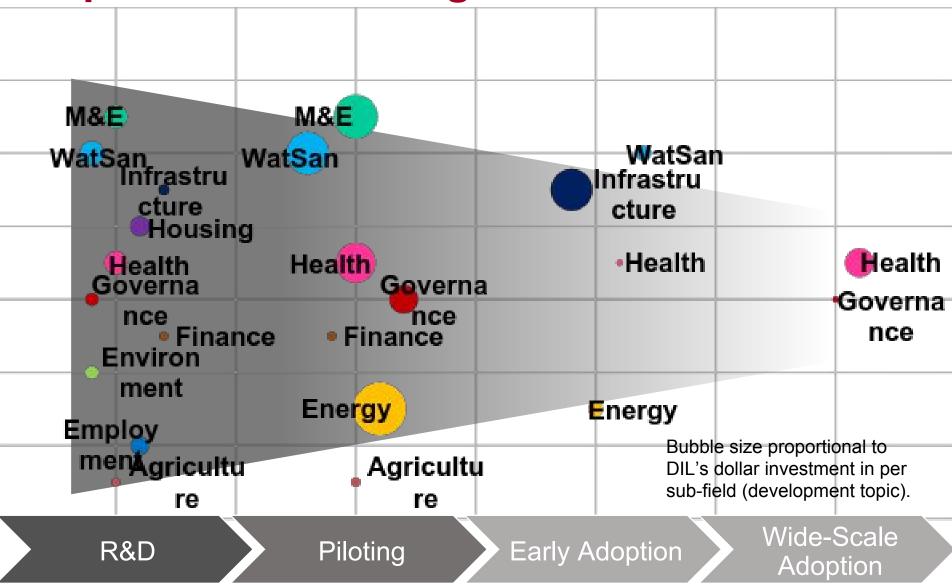


Measure Impact



The **Mezuri Platform** embodies the principles of the Global Development Lab. It uses technology to achieve open network effects in development and creates systematic approaches that can go beyond the immediate group of researchers or implementers.

Experiment at all stages.



HESN Lab: Development Impact Lab (UC Berkeley)

Institutionalize change.



DESIGNATED EMPHASIS

DEVELOPMENT ENGINEERING

UNIVERSITY OF CALIFORNIA, BERKELEY



- 57% of teams are working with one or more developing country implementing partner.
- 52% of teams include student researchers.
- 57% of DILs teams are interdisciplinary.





Ideas & Agency

Push to Prototype Trial by Community University Experts & Evidence Startup Investment & Social Impact

Push to Prototype

Trial by Community







 Objective 1: Design and operationalize a resilience framework for Sub-Saharan Africa

•Objective 2: Strengthen resilience at the individual, household and community levels through innovative technologies and approaches to development, which will be identified, incubated, tested and scaled through the RAN in collaboration with its partners

•Objective 3: Enhance resilience-related knowledge and share it globally, engaging students, faculty, staff, and development experts from around the world to collaborate on solving resilience related problems





Ideas & Agency

Push to Prototype Trial by Community University
Experts &
Evidence

Startup Investment & Social Impact

University
Experts &
Evidence

Startup
Investment
& Social
Impact





SOCIAL ENTREPRENEURSHIP ACCELERATOR AT DUKE



- Established in 2012 as part of USAID Higher Education Solutions Network, as a Duke-wide program
- Led by the Center for the Advancement of Social Entrepreneurship at the Fugua School of Business and Innovations in Healthcare, both at Duke University
- A learning incubator serving 25 mid-stage innovators in East Africa, India, and Mexico
- >\$52 million in funding raised by innovators since joining the accelerator; >29 million beneficiaries with improved health outcomes.
- Reports on Ecosystem in East Africa, Landscape for Global Health Investors in Africa and India, peer research.
- Producing and licensing Smart Impact Capital Modules to incubators, accelerators, and learning networks reaching hundreds of entrepreneurs globally







Duke Social Entrepreneurship Accelerator at Duke



