Module Two
Research/Results Translation

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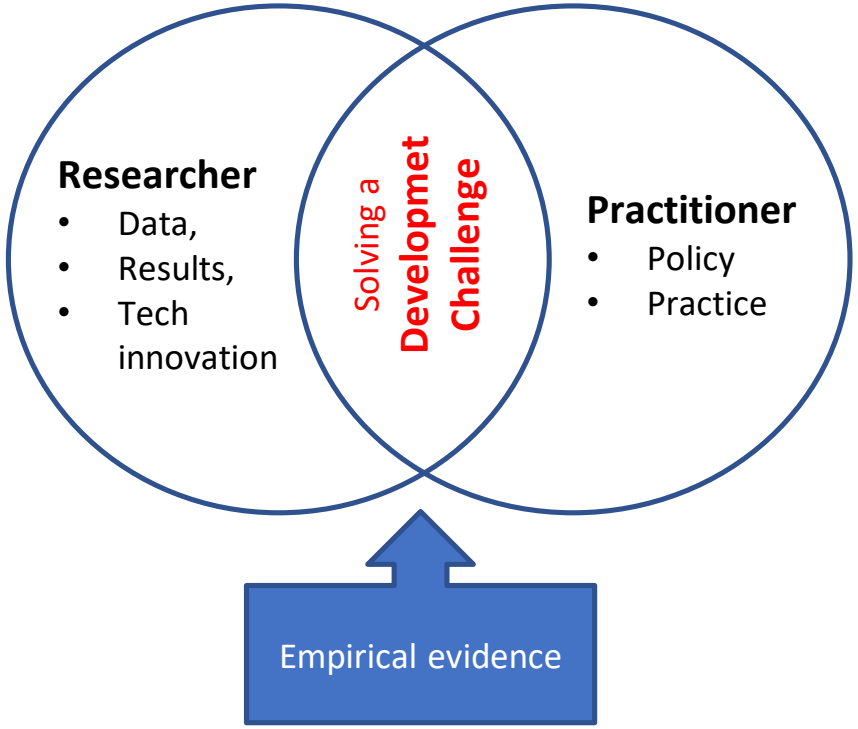
In this presentation …

- Overview
- Data and results
- Knowledge products
- Considerations for success
- Moving forward

Overview: Moving from Research to Practice

- Module Aim: bridging the gap between knowledge generation and practice

- Covers: possible ways of packaging & disseminating the knowledge considering stakeholder preferences and capacity



Data & results are the starting point …

- Processed data and results
  - packaged data for easy download and interoperability with different applications (e.g., csv, txt files)
  - providing visualizations of detailed results (graphs, charts, maps) – > online and printed
  - Targeting water quality managers and other water professionals

- Raw data, processed data, and base model parameters
  - packaged for easy download and interoperability (e.g., as *.csv, *.txt)
  - targeting personnel in higher education and/or research institutions and consultants

- CONSIDER DATA SHARING PERMISSIONS

Example …

Which (other) outputs are most produced through (your) research and modelling?

LASER PULSE EA WS Project will generate:

- Default model parameter sets,
- Reports,
- Quick reference guide

Transform data & results into SH targeted knowledge products, e.g.

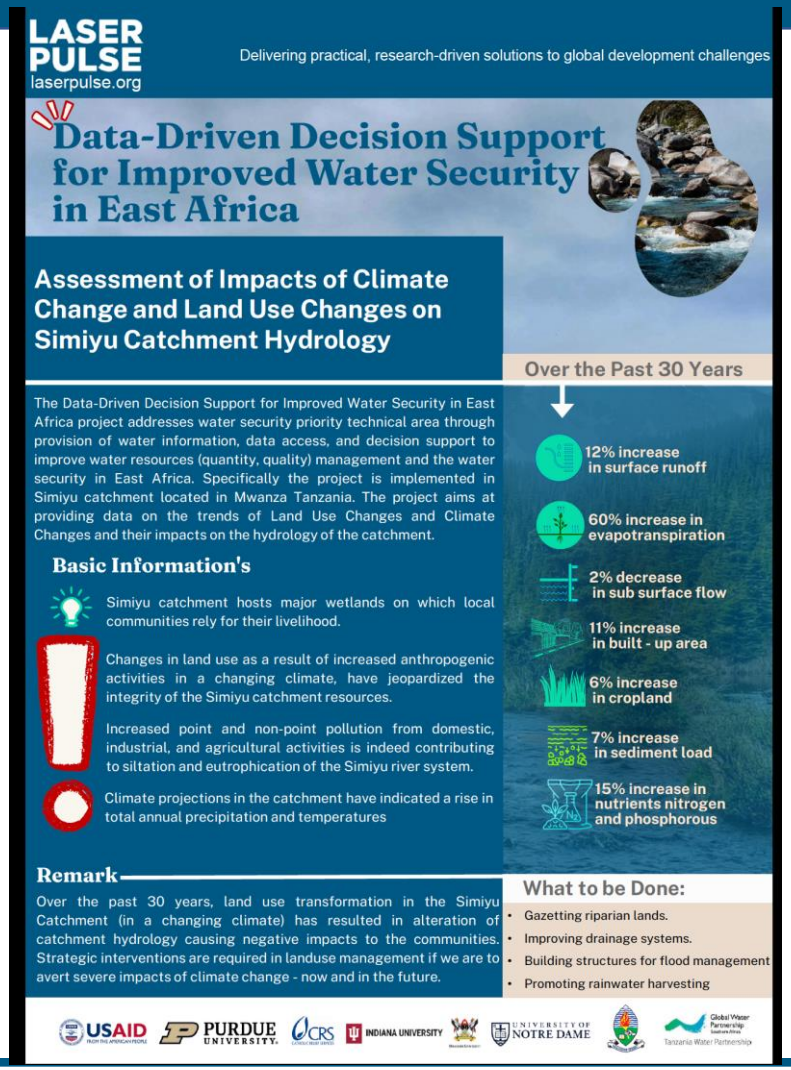
1. Briefing documents

- policy briefs, research briefs, evidence briefs, technical briefs, white papers, brochures, etc.

Important

- who will use your brief
- what is most important to them and how to best influence them
- engage early on to build confidence, trust, and ownership
- Tailormade content, language, and framing
- Target the right people at the right time with the right message through the right channel
- Consider a variety of complementary dissemination activities

Example …


LASER PULSE
laserpulse.org
Delivering practical, research-driven solutions to global development challenges
Data-Driven Decision Support for Improved Water Security in East Africa
Assessment of Impacts of Climate Change and Land Use Changes on Simiyu Catchment Hydrology
The Data-Driven Decision Support for Improved Water Security in East Africa project addresses water security priority technical area through provision of water information, data access, and decision support to improve water resources (quantity, quality) management and the water security in East Africa. Specifically the project is implemented in Simiyu catchment located in Mwanza Tanzania. The project aims at providing data on the trends of Land Use Changes and Climate Changes and their impacts on the hydrology of the catchment.
Basic Information's
Simiyu catchment hosts major wetlands on which local communities rely for their livelihood.
Changes in land use as a result of increased anthropogenic activities in a changing climate, have jeopardized the integrity of the Simiyu catchment resources.
Increased point and non-point pollution from domestic, industrial, and agricultural activities is indeed contributing to siltation and eutrophication of the Simiyu river system.
Climate projections in the catchment have indicated a rise in total annual precipitation and temperatures
Over the Past 30 Years
12% increase in surface runoff
60% increase in evapotranspiration
2% decrease in sub surface flow
11% increase in built - up area
6% increase in cropland
7% increase in sediment load
15% increase in nutrients nitrogen and phosphorous
Remark
Over the past 30 years, land use transformation in the Simiyu Catchment (in a changing climate) has resulted in alteration of catchment hydrology causing negative impacts to the communities. Strategic interventions are required in landuse management if we are to avert severe impacts of climate change - now and in the future.
What to be Done:
Gazetting riparian lands.
Improving drainage systems.
Building structures for flood management
Promoting rainwater harvesting
USAID
PURDUE UNIVERSITY
CRS
INDIANA UNIVERSITY
UNIVERSITY OF NOTRE DAME
Tanzania Water Partnership

Transform data & results into SH targeted knowledge products, e.g.

2. Press releases

- official statement delivered to the media to briefly communicate something significant and specific

Important

- "catchy' heading,
- first paragraph should have information on the "who," "what," "why," and "where
- Facts and figures (+ source), but preference differs among SH
- A photo that 'communicates'
- keep your target audience in mind and send to an 'interested' journalist

COMMUNICATIONS EXPERTISE NEEDED

Transform data & results into SH targeted knowledge products, e.g.

3. Videos

- Retention of visual content vs written content.
- An average person retains about 10% of the message when they read it and 95% when they watch it.

Example

Transform data & results into SH targeted knowledge products, e.g.

What other (types of) knowledge products would be helpful in your work?

Important considerations for success

What would enhance success of research translation?

- Translation should be part of the process, rather than a final step
- Identify and involve key stakeholders early in the research process
- Custom-make the knowledge products

Moving forward …

What do you see as strengths and barriers in utilizing research and modelling products?

What would you want to know more about?