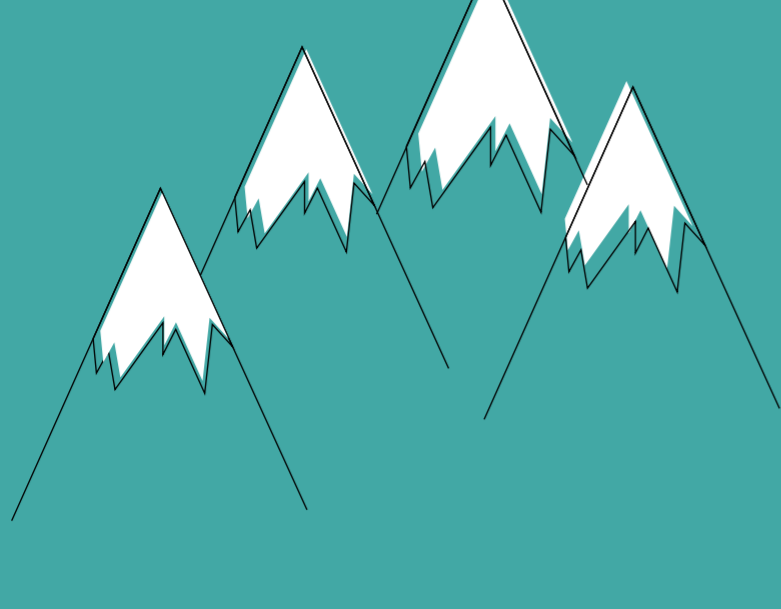


# ADDRESSING KNOWLEDGE GAPS IN THE HKH



# LIMA ADAPTATION KNOWLEDGE INITIATIVE

## In 2016



**16 Knowledge Gaps** were identified and prioritized through a rigorous process in the Lima Adaptation Knowledge Initiative (LAKI)-HKH Priority Setting Workshop held at Colombo, in 2016.

Knowledge deficit

Informed HKH & Parties

ICIMOD, the Regional Collaborating Entity for UNFCCC, was identified as the regional champion to provide relevant knowledge and technical inputs. The journey to an informed HKH means filling in these knowledge gaps.

The partnership will catalyze actions through collaborative partnerships in closing gaps in the HKH. These interventions will help to bridge 5 of the 16 Priority Knowledge Gaps

## In 2017



Eight interventions and their applicability and replicability have been discussed at the LAKI event in Kathmandu. These interventions are to close 5 of the 16 priority knowledge gaps.

### Advisory

A drought and precipitation index is being produced for the HKH, to understand the impacts of meteorological factors on agricultural productivity.



Capacity to disseminate, interpret and use this information in a timely manner is needed.

- Targeted Audience:**
- Farmers
  - Agriculture Experts
  - Policy Makers
  - District Agriculture Officers

### Springshed Management

A spring revival focus is being implemented in 6 major states in Nepal. A focus on women's participation is a must in ensuring successful watershed management.



Robust monitoring required for 2 to 3 years.

A valley to valley approach is essential bridging communities in springshed management.

- Targeted Audience:**
- Water Resource Planners
  - Watershed Experts
  - Policy Makers
  - District Forest Officers

### Eco-San Toilet

The eco-san toilet has been developed as a flood-resilient sanitation technology that provides accessible and secure sanitation options especially for women and children during flood events.



Improve community access to information on sanitation.

Improve the reach of existing information on the toilet to communities.

- Targeted Audience:**
- Communities
  - Local NGOs
  - Policy Makers
  - Community Project Managers

### Community Based Flood Early Warning System (CBFEWS)

Implement CBFEWS in improving early warning and timely delivery of flood information to vulnerable downstream communities, so timely response can take place.

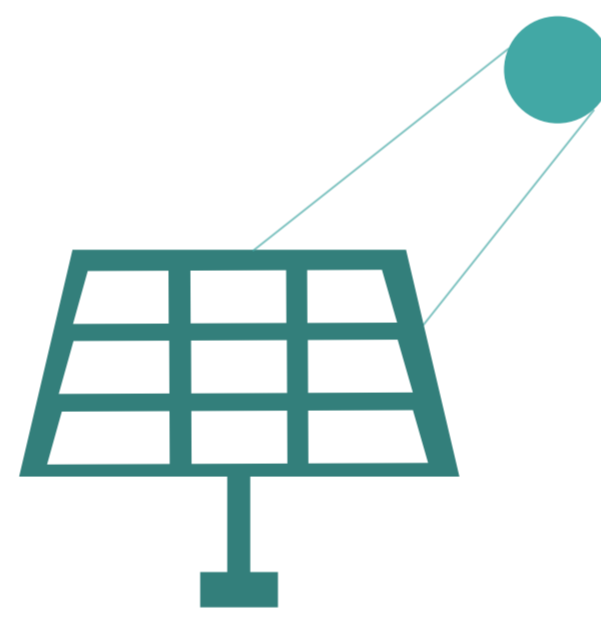


There is potential to upscale it to tributaries and flash-flood prone regions.

- Targeted Audience:**
- Policy Makers
  - Communities
  - Early Warning System Designers
  - Local Government Line Agencies

### Solar Powered Water Pumps

A solution for small and medium scale farmers in Pakistan in encouraging of solar powered pumps to reduce input cost in agricultural activities.

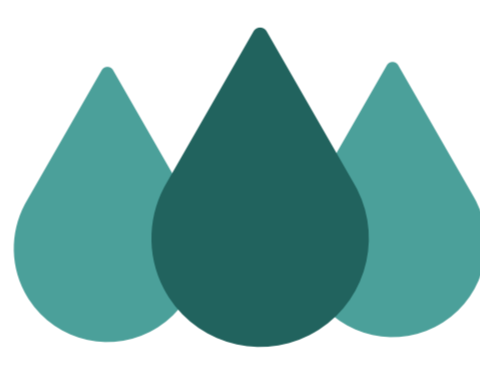


Proposed training of 200 farmers in the cost benefit analysis of the uses of these systems.

- Targeted Audience:**
- Farmers
  - District Agriculture Offices
  - Communities

### Regional Flood Information System

Provide real time hydro-meteorological data to strengthen capacity on flood forecasting and communication for member countries in the HKH.

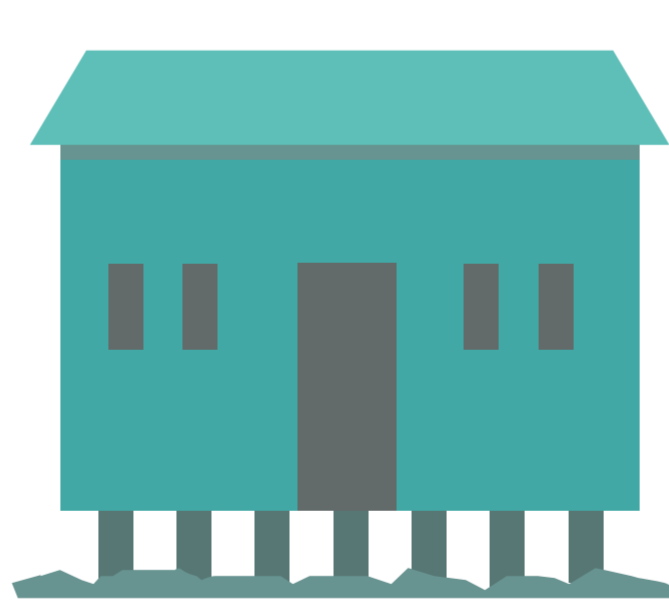


Communication strategies, training, and public awareness for communities.

- Targeted Audience:**
- National Hydromet Services

### Flood Resilient Housing

Prefabricated and dismantlable housing units that use locally available materials, built on raised plinths are being used by flood affected communities of Bangladesh.



Greater awareness at the community level is proposed through use of *jatras* (plays) and radio announcements, to encourage uptake of this housing model.

- Targeted Audience:**
- Communities
  - Policy Makers
  - Community Project Managers

### Jholmal (bio-fertiliser)

A community guideline on the preparation and application of *jholmal* (prepared from locally available organic sources) to promote the use of chemical-free fertiliser by small-scale farmers in HKH, thus reducing their input costs.



Documentation of impact and potential of the use of this bio-fertiliser, first within districts of Nepal, and then in a wider HKH context.

- Targeted Audience:**
- Communities
  - Policy Makers
  - Farmers
  - Agricultural Officers

## Way Forward



To bridge the LAKI-HKH knowledge gap, the identified partners will submit an 'action pledge' to the Nairobi Work Programme and report their progress for each intervention against the pledge.

#resilientHKH