

Integration of crop-specific and validated seasonal climate and weekly agro-advisories into Laos Climate Services for Agriculture (LaCSA) for farmers at provincial and district-levels disseminated through various formats and communication channels

Project Title: P1608 - A Climate Services Menu for SEA (CliSM): tackling scaling with a diversity of end users in the climate services value chains

Description of the innovation: Based on livelihoods mapping and climate risk workshops in 17 provinces, a set of district-level advisory on suitable management responses to climate-risks were developed combined with crop calendars. Decision tables for 10 major crops were completed to provide seasonal climate agricultural advisories for farmers at provincial level. These are formatted based on structure of LaCSA system, translated into Pasalao for local users and disseminated as agro-climatic bulletins via LaCSA website, Whatsapp, school posters and loudspeaker in villages.

New Innovation: No

Stage of innovation: Stage 4: uptake by next user (USE)

Innovation type: Production systems and Management practices

Geographic Scope: National

Number of individual improved lines/varieties: <Not Applicable>

Country(ies):

- Lao People's Democratic Republic

Outcome Impact Case Report: <Not Defined>

Description of Stage reached: Operational in five provinces where FAO-Strengthening Agro-climatic Monitoring and Information System (SAMIS) project is working and LaCSA system is available. DeRISK developed a mobile application using Kobo and piloted to collect field-data to provide near real-time information on crop conditions (crop-stage, water-stress, cultural management) to support tailoring of climate and agro-advisory.

Name of lead organization/entity to take innovation to this stage: FAO - Food and Agriculture Organization of the United Nations

Names of top five contributing organizations/entities to this stage:

- Alliance of Bioversity International & the International Center for Tropical Agriculture (CIAT)
- NAFRI - National Agriculture and Forestry Research Institute
- DMH - Department of Meteorology and Hydrology
- MAF - Ministry of Agriculture and Forestry (Lao PDR)

Milestones:

- Additional development organizations, including one additional CCAFS region, adapt climate service and insurance implementation strategy and resources to increase women's participation in decision-making.
- Additional institutions or major initiatives mainstream climate risk management services, incorporating CCAFS output. Services developed in prior years will be strengthened, scaled up, evaluated.

Sub-IDs:

- 29 - Enhanced adaptive capacity to climate risks (More sustainably managed agro-ecosystems)
- 9 - Reduce pre- and post-harvest losses, including those caused by climate change
- 34 - Enhanced capacity to deal with climatic risks and extremes (Mitigation and adaptation achieved)

Contributing Centers/PPA partners:

- CIAT (Alliance) - Alliance of Bioversity and CIAT - Regional Hub (Centro Internacional de Agricultura Tropical)

Evidence link:**Deliverables associated:**

- D20833 - Report on the development of crop-specific seasonal scale advisory in Lao PDR with local crop experts (<http://www.fao.org/in-action/samis/resources/news/detail/en/c/1261555/>)
- D20837 - Report on initial assessment of loudspeakers' effectiveness as dissemination channel for agromet bulletins in Lao PDR (<http://www.fao.org/in-action/samis/resources/news/detail/en/c/1262829/>)
- D20829 - Report on national training on agro-meteorology in the field for 15 District and Provincial Offices for Natural Resources and Environment (DONRE) in Lao PDR (<http://www.fao.org/in-action/samis/resources/news/detail/en/c/1262669/>)
- D20826 - Report on participatory livelihoods mapping and climate risk workshop to support CS needs assessment in Southern Lao PDR (<http://www.fao.org/in-action/samis/resources/news/detail/en/c/1261562/>)

Contributing CRPs/Platforms:

- CCAFS - Climate Change, Agriculture and Food Security