

Food security and drought monitoring and early warning tool considering local vulnerabilities

Project Title: P42 - Tailored Agro-Climate Services and food security information for better decision making in Latin America

Description of the innovation: Digital platform for food security and drought monitoring and evaluation at the community level, integrating mobile data collection, estimation of a municipal acute food insecurity index, data management, analysis and dissemination.

New Innovation: No

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

Innovation type: Research and Communication Methodologies and Tools

Geographic Scope: National

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

Country(ies):

- Guatemala

Outcome Impact Case Report:

- 151 - Guatemalan government adopts local information system for the monitoring and early warning of climate-related seasonal hunger co-designed with CCAFS scientists (<https://tinyurl.com/25y85m3z>)

Description of Stage reached: The digital monitoring and early warning system has officially been adopted by SESAN in Guatemala and they are in the process of implementing the system in all 340 municipalities of the country. The Ministry of Agriculture of Costa Rica decided to adapt the system for a local drought monitoring system.

Name of lead organization/entity to take innovation to this stage: Bioversity (Alliance) - Alliance of Bioversity and CIAT - Headquarter (Bioversity International)

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

- CIAT (Alliance) - Alliance of Bioversity and CIAT - Regional Hub (Centro Internacional de Agricultura Tropical)
- CATIE - Centro Agronómico Tropical de Investigación y Enseñanza
- ACF International - Action Contre la Faim
- SESAN - Secretaría de Seguridad Alimentaria y Nutricional (Guatemala)

Milestones: No milestones associated

Sub-IDs:

Contributing Centers/PPA partners:

Evidence link:

- <https://github.com/BioversityCostaRica/SesanV1> <http://190.111.0.168/>

Deliverables associated:

- D5307 - Food security and agroclimatic information system - source code (**Marked as Confidential**)
- D5250 - Understanding decision-makers information use for food security and drought management (**Marked as Confidential**)
- D366 - Using emergency drills for agricultural drought response: a case study in Guatemala (<https://cgspace.cgiar.org/handle/10568/99311>)

Contributing CRPs/Platforms:

- CCAFS - Climate Change, Agriculture and Food Security