



Development of a data-driven geo-spatial information system to analyse risks and shocks to agricultural livelihoods and food systems in food crisis contexts



PROJECT CODE OSRO/GLO/110/USA



RESOURCE PARTNER The United States of America

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KEY PARTNERS Mobile Accord, Inc. and the Environmental Systems Research Institute, Inc.

Objective

To contribute effectively to strengthening the resilience of agricultural livelihoods in the face of multiple livelihood shocks (including COVID-19 related) in high priority food crisis countries.

Activities implemented

- Conducted household surveys across 27 countries identified through the global humanitarian appeal for COVID-19, and produced analytical products hosted on the Data in Emergencies (DIEM) Hub.
Trained 150 people at country and regional levels to undertake and/or analyse remote and in-person monitoring.
Developed an analytical framework integrating the various components of the monitoring system within a holistic approach to agricultural value chains and food systems, highlighting pathways to decision-making and anticipatory action.
Disseminated standard survey tools and methodologies relevant to the various components of the analytical framework and to the stages of the data cycle.
Automated and improved the data workflow within the DIEM Hub.

Results

- Created a total of 68 dashboards and 66 country briefs from data collection and analysis activities.
Reinforced the technical capacities of 150 country and regional level analysts in sample design, data quality control, enumerator instruction, weights and data analysis.
Produced full sets of products on the data hub for 27 countries.
Established an open application programming interface providing access to both microdata and aggregated data for all data collection rounds.
Hosted all products produced throughout the project period including monitoring briefs, impact assessments, dashboards and maps under the umbrella of the FAO corporate Hand-in-Hand Initiative geo-spatial platform through the DIEM Hub.



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