In recognition of the need to better understand the impact of shocks on agricultural livelihoods in food crisis contexts, the Food and Agriculture Organization of the United Nations (FAO) has established the Data in Emergencies Information System.

Driven by regularly collected primary data in food crisis countries, its objective is to inform decision-making in support of agricultural livelihoods in fragile and shock-prone environments.

Since the launch of the DIEM Hub in June 2020, DIEM surveys have been completed in over 30 countries reaching approximately 150,000 households per year.

DIEM is organized around two pillars with a third, DIEM-Risk, expected in 2023. The DIEM products that make up these pillars include dashboards, a map gallery, StoryMaps, datasets (microdata and aggregated data), briefs and reports.

**DIEM-Monitoring**

- Data are collected multiple times a year in the most food-insecure countries through the DIEM-Monitoring System. DIEM-Monitoring provides a regularly updated and highly accessible picture of agricultural livelihoods and food insecurity in fragile environments, triggering mitigating and response actions.
- Data are collected at household level through computer-assisted telephone interviews and face-to-face surveys. Semi-automatic processes of data cleaning, aggregation, analysis and validation ensure that the surveys inform decision-making in a timely and effective manner.
- All indicators are displayed on maps and dashboards on the Hub and are updated in real time. Datasets are available to download three weeks following data collection, at household and subnational levels.

**DIEM-Impact**

- DIEM-Impact takes the form of ex post assessments combining remote sensing data, household level data, and qualitative information, in view of identifying populations affected, determining a dollar value of damages and losses and laying the foundations of emergency and recovery activities.
- Remote sensing analysis can be triggered right after a sudden-onset hazard and preliminary findings can be made available after two weeks. DIEM conducts post-disaster needs assessments and damage and loss analyses using recognized methodologies.
- DIEM-Impact can be activated in the context of sudden-onset and slow-onset hazards, natural or human-induced, including floods, cyclones and tropical storms, earthquakes, volcanic eruptions, drought, invasive pests such as fall armyworm, pandemics and economic crises.
Map gallery
• Approximately 150 DIEM indicators are mapped at a subnational level, and all interactive maps are automatically updated following every new survey release.
• The map gallery allows users to browse and explore DIEM maps by selecting a specific thematic area, country or survey date.
• All DIEM maps can be shared online or customized and downloaded as PDF files.

Survey dashboards
• Following every round of data collection, analysed and validated data are published on interactive dashboards.
• Dashboards allow for the interactive visualization of all DIEM-Monitoring indicators, organized in five thematic areas: income and shocks, crop production, livestock production, food security and needs.
• Data can be filtered by country, survey round, subnational administrative unit and household type, to provide the user with the information needed to inform decision-making.