

MIRA PLATFORM

Youth-led climate data collection for informed decision-making in Madagascar

STEP 1

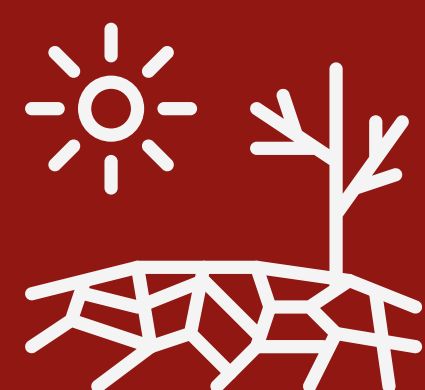
Identification of drought parameters and drought threshold

- Climate parameters: temperature and precipitation
- Soil moisture parameters
- Vegetation indicators
- Identification of tools for climate, soil and vegetation parameters measurement



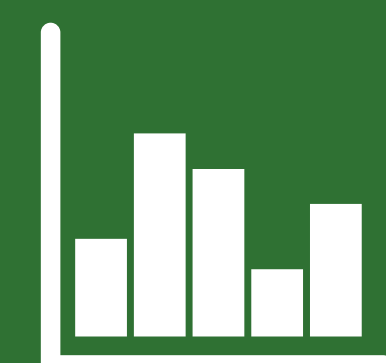
STEP 2

Development of drought monitoring tools adapted to local knowledge and capacities



STEP 3

Adaptation of MIRA data collection methodology to integrate climate and vegetation survey results and community approach results to fit the local context



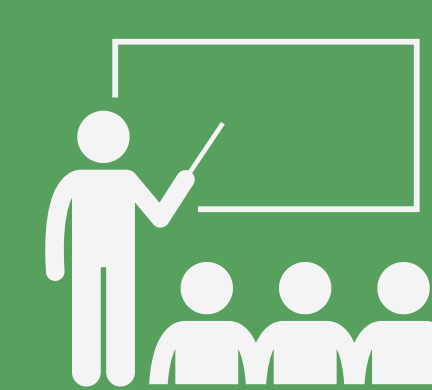
STEP 4

Identification of EWS agents (farmers, government officials, etc.)



STEP 5

Training of EWS agents on data collection, local water balance calculation, vegetation analysis, drought threshold and monitoring tools



STEP 6

Liaise with climate data providers (Directorate of Meteorology) and EWS agents



STEP 7

Collection of climate parameters, soil moisture (from water balance and soil retention capacity) and vegetation indicators (size, color, status...)



STEP 8

Analysis of water balance in soil by EWS agents using simple calculation matrix



STEP 9

Sharing information with local farmers on soil moisture and forecasting water requirements to use in decision-making

