

Integrating climate services into food security and disaster management operations

WFP Climate Services Overview:

Mainstreaming climate services into analysis, planning and operations

3. Long term climate change and food security analysis and planning



Integrated Context Analysis

Climate Risk and Food Security Analysis

LEAP Pastoral Pilot (Ethiopia)

Weather insurance

Logistical operation support

Food Security Early Warning (Global and National)

2. Seasonal scale climate services

Food Security Climate Resilience Facility

LEAP – EUPORIAS Climate Forecast Pilot

GFCS Africa Adaptation Project (Tanzania/Malawi)

ENSO Defensive Procurement Plan

HELIX – Long term extremes

Climate Risk and Food Security Analysis

Food security and climate change index

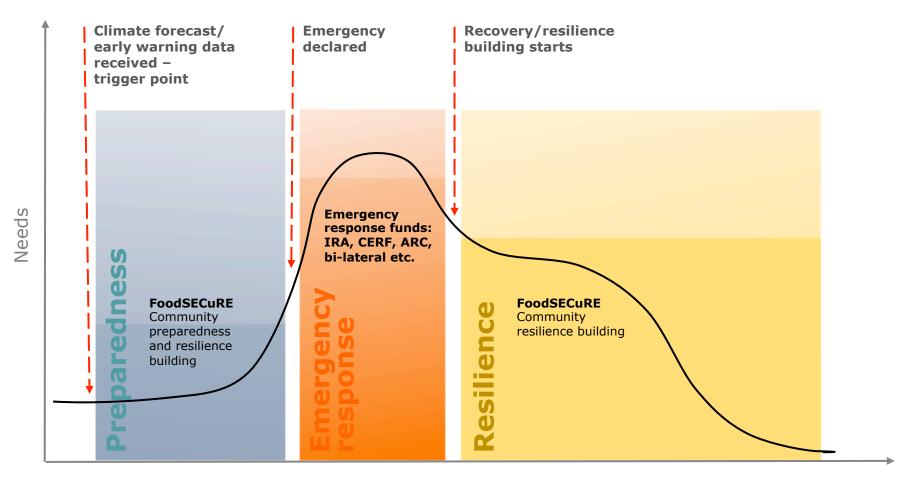
Capacity Development and Augmentation

Building Evidence and Learning (CBA, evaluations, common methods, good practice)



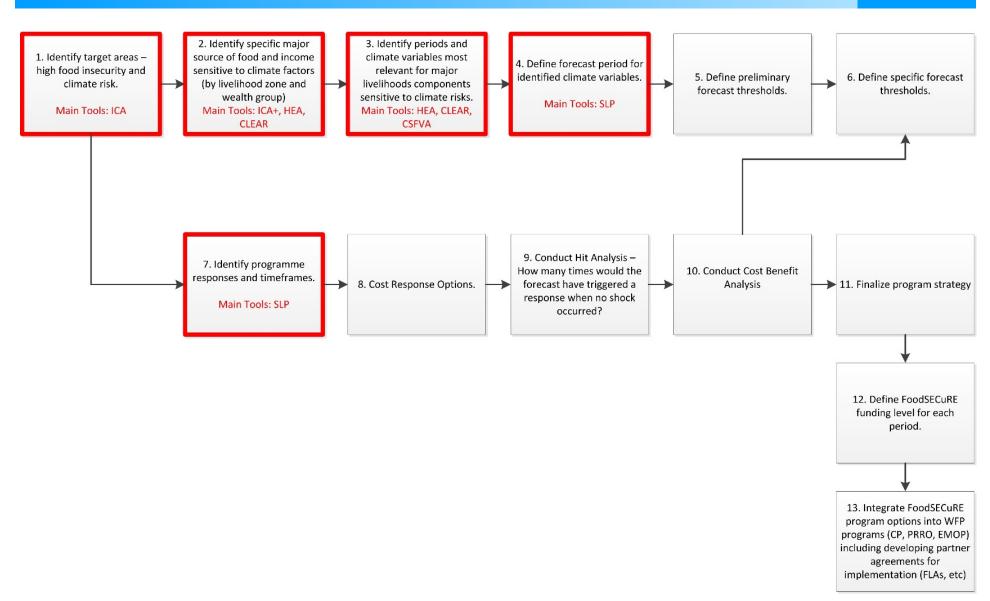
FoodSECuRE Food Security Climate Resilience Facility





FoodSECuRE Food Security Climate Resilience Facility





Ethiopia's Disaster Risk Management Framework

Early Warning
System

with reliable baseline and trigger points

Contingency Planning

for appropriate and timely response

Contingent Financing

of contingency plans

Capacity Building

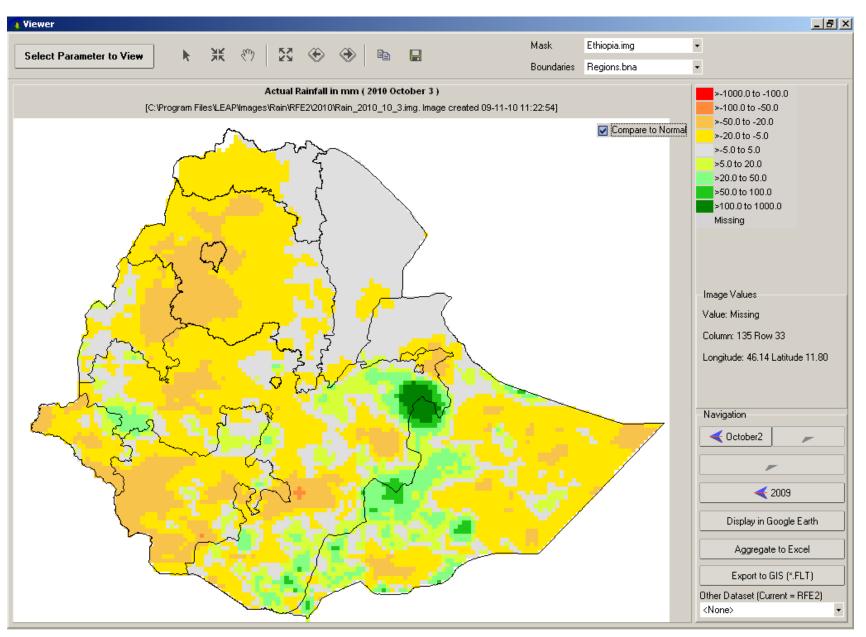
for effective plan implementation







LEAP Early Warning System

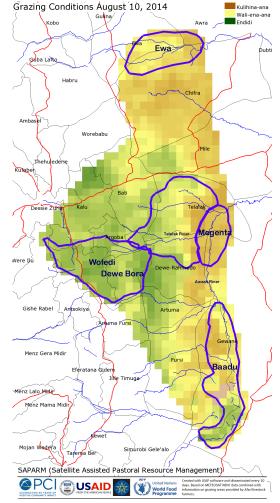


Ethiopia: Pastoral Climate Services Pilot

- NDVI provided to pastoral communities overlaid on community grazing areas
- Pastoralists use it to decide where to send scouts and animals.
- Herd mortality rates dropped by almost half (47%)
- Over \$8 million USD less in losses compared to previous years

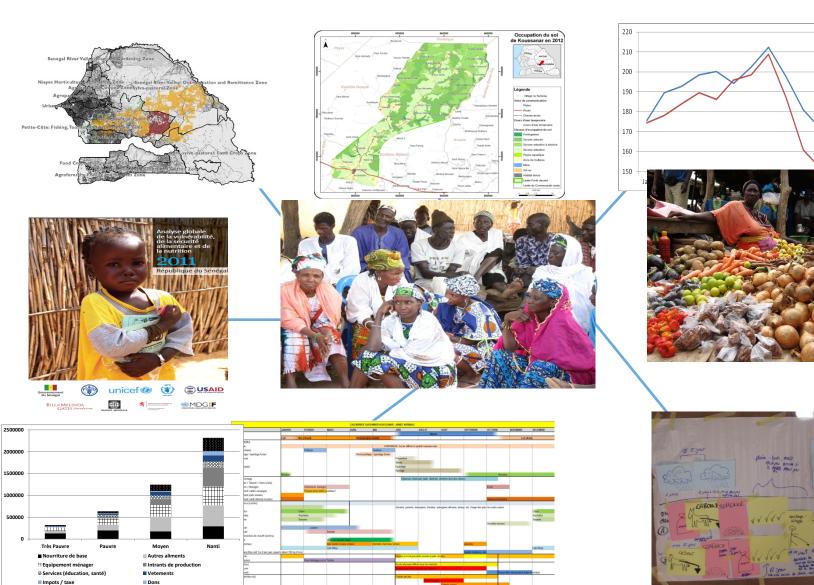




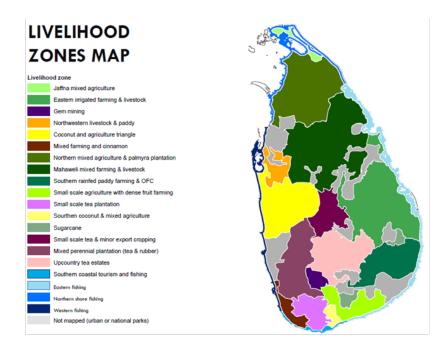


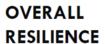
Climate services in program design & adaption planning

- Mali
- Senegal
- Nepal
- Ethiopia
- Sri Lanka
- Cambodia
- Philippines
- Kyrgyzstan
- South Sudan
- Uganda
- Sudan
- Middle East Regional
- Asia Regional
- East Africa Regional
- Andes Regional

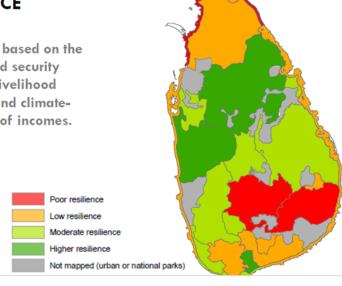


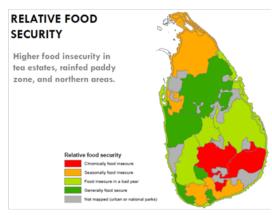
CLEAR: livelihoods and resilience analysis in Sri Lanka

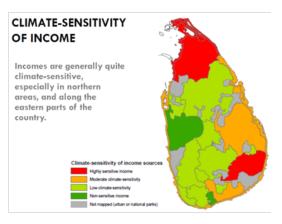


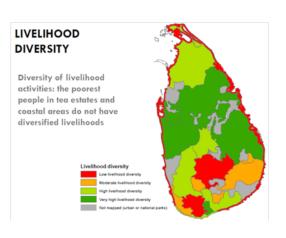


Resilience, based on the overall food security situation, livelihood diversity, and climatesensitivity of incomes.





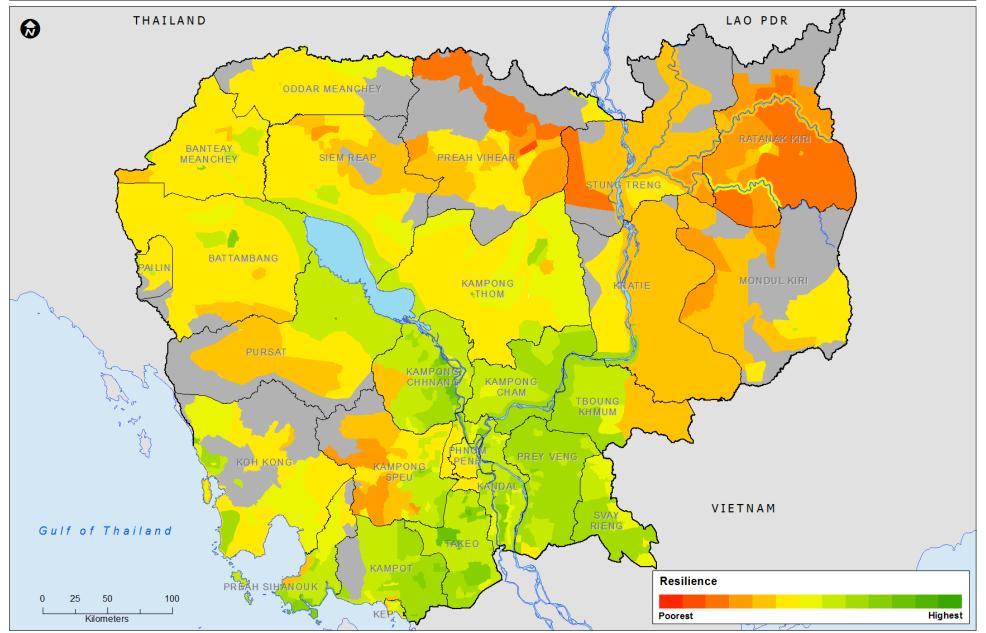




CLEAR: resilience analysis in Cambodia

Livelihood Resilience in Cambodia

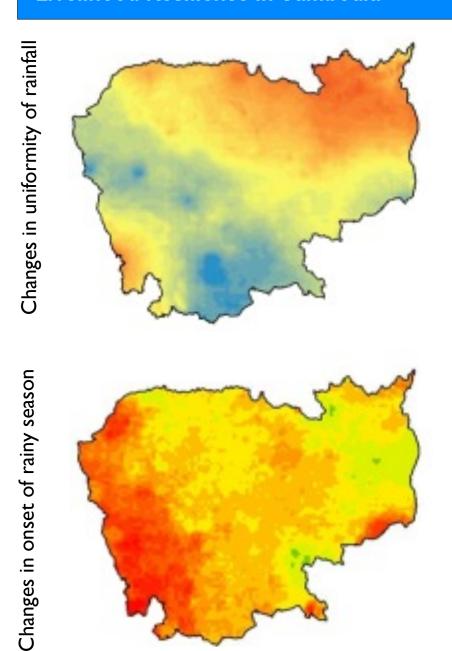


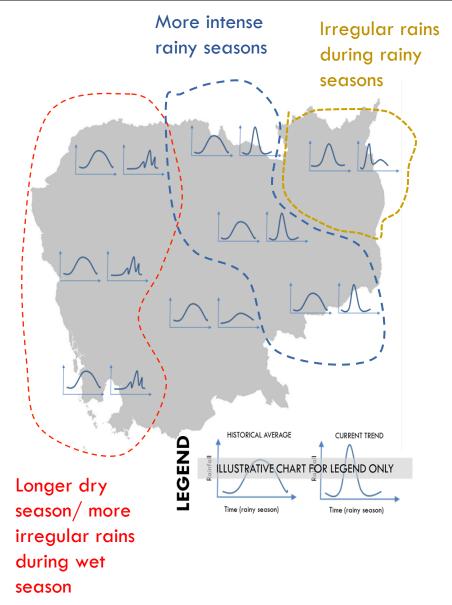


Livelihood Resilience in Cambodia



CLEAR: climate scenarios

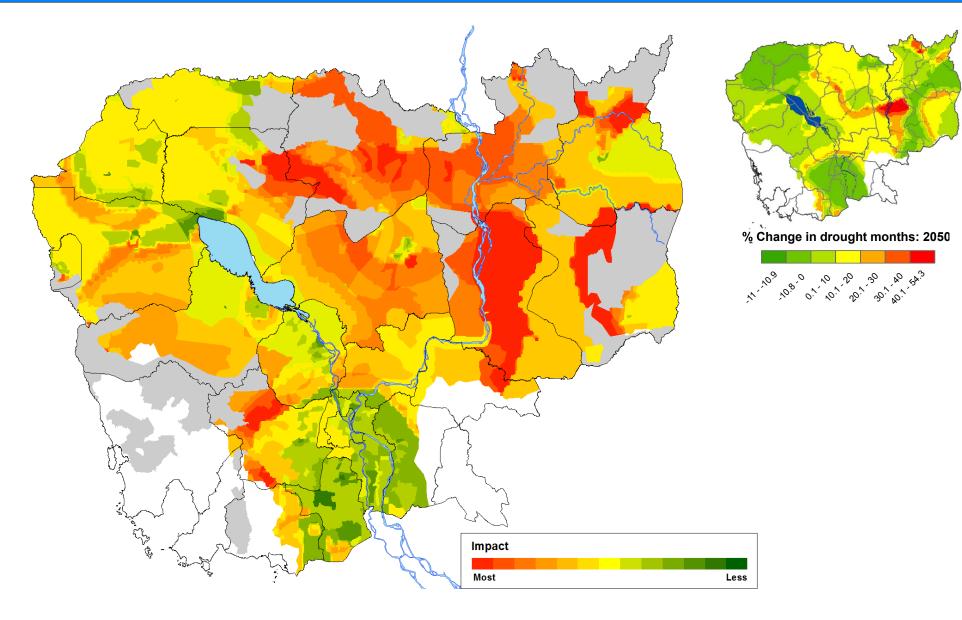


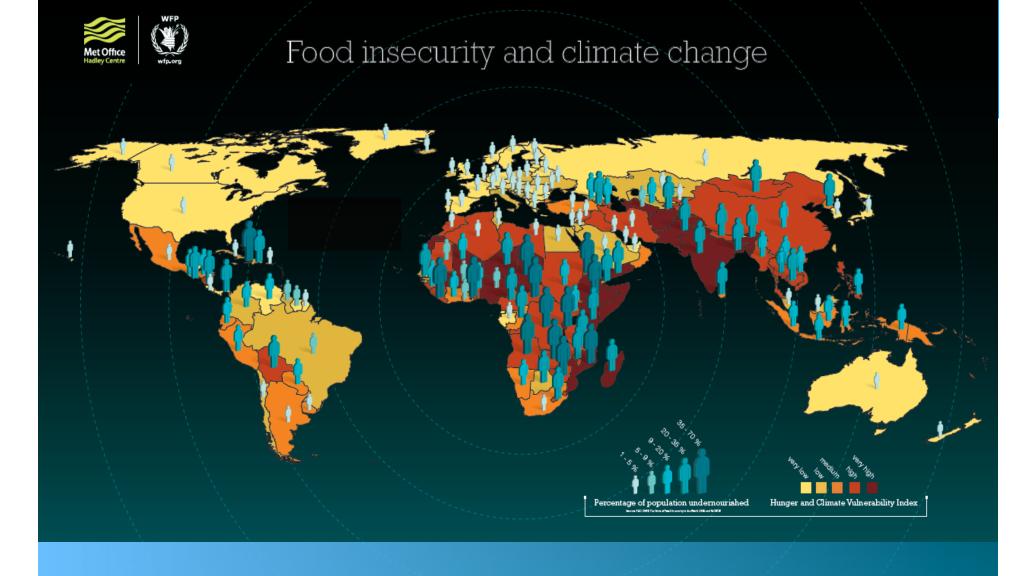


Livelihood Resilience in Cambodia

World Food Programme

CLEAR: Livelihood zones likely to experience highest impact from increased drought risks





Climate risk is a significant challenge for food security – it is projected that by 2050, 10-20% more people could be at risk of hunger due to climate risks