

Foresight4Food Webinar- Series 2023

EPISODE 1

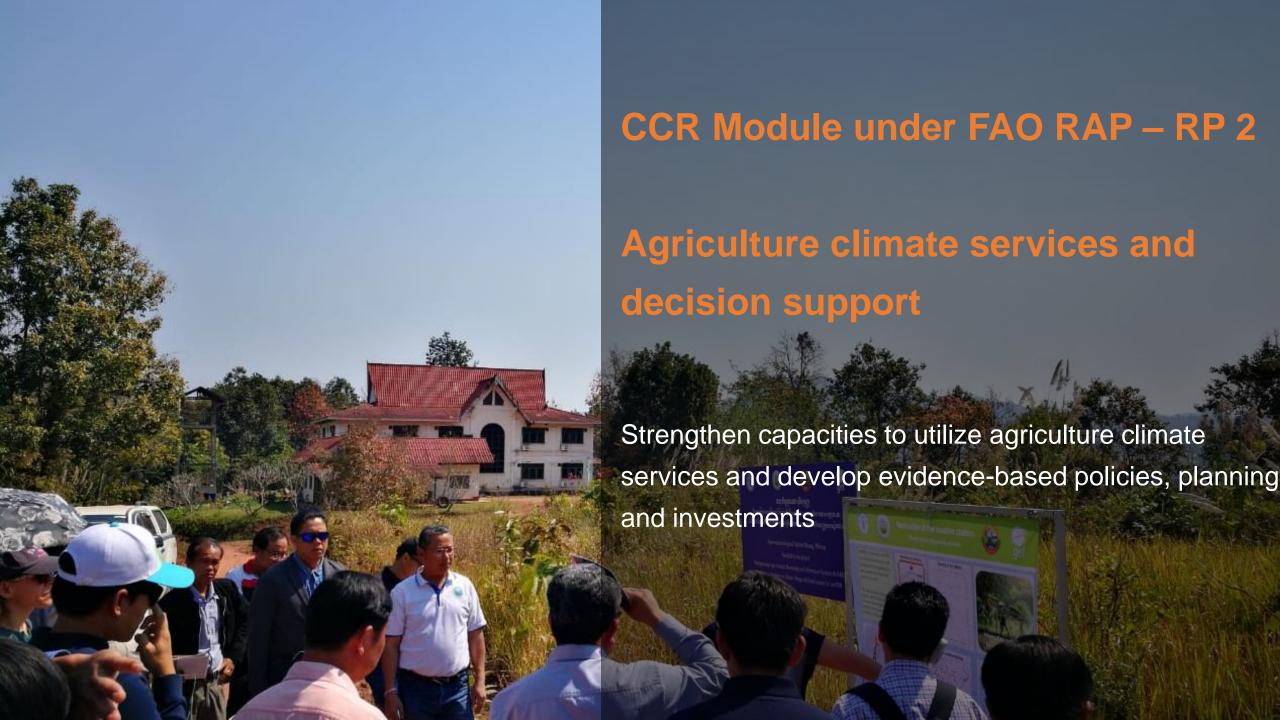
"State of Play: An Update on the foresight work of Foresight4Food, IFPRI and FAO Asia'.



Climate Foresight for food system transformation?

Deep- dive on formulating pathways for low emission, resilient and sustainable agri-food system in Lao PDR

Rathana Peou Norbert Munns, Climate Foresight and Scenarios Development Expert at the UN FAO





Overview of the Foresight regional outputs

2020 to 2022

2023



Develop Climate resilient and low emission agriculture pathways by developing decision based scenarios

Capacity building and strengthening for agriculture planning and climate

policies



















Formulating Crop Story Maps and Building Climate Resilient



Support policy dialogues at multilevels using trends analysis and early signals









Comparative of Foresight Uses

Future literacy and data governance moderate or high Co-production of pathways (GHG emissions- CSA- Climate resilient): To provide inputs to models, in order to create further scenarios of particular Climate data: systems of interest **AEZ** map analytics Policy: Modelling Inputs and tool: NEXT tool Outputs Co-testing of pathways, plans: **Scenarios development:** To test a model by helping to identify To compose narrative **Short Time** within which plausible which of its components need attention required (1 week future may lie to 1 month) **Long Time** required (1 year **Horizon Scanning**: to to 2 years) Visioning exercise: building **Direct Use:** investigate drivers of collective vision and future states To test the robustness of current plan, change and early signal investment, and funding **Building capacity:** to education a particular audience about a plausible future with **Direct Use:** their input as the drivers of the model or introducing foresight To generate a range of possible ways to planning steps deal with emerging issues, risks, or trends and investigate the potential contribution these solutions could offer



Crop story maps; a mean to communicate priority areas for investments and actions























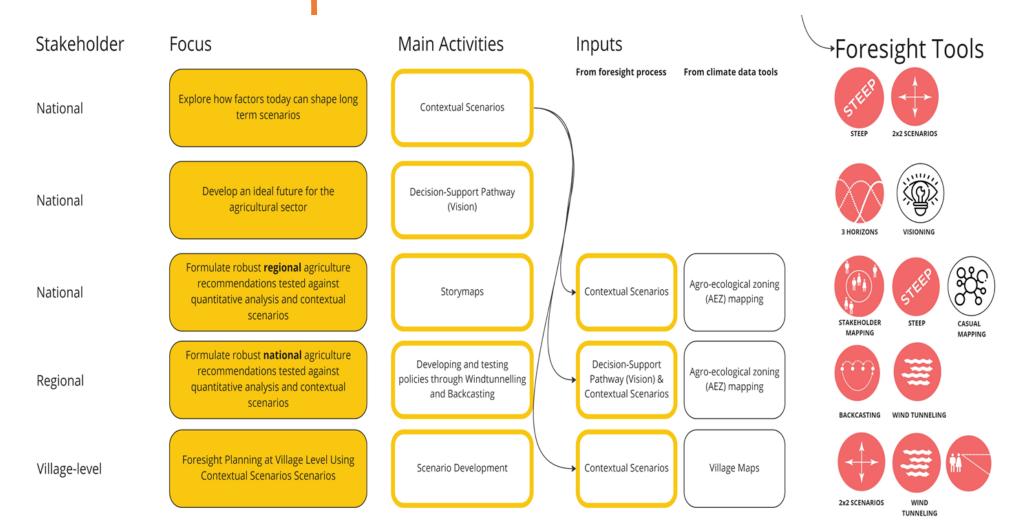
Climate Foresight planning

- Under the Strengthening Agro-Climatic Monitoring and Information System (SAMIS) project, a component work on climate foresight and scenarios development has been developed supported by CCAFS, UU and CIAT.
- The activities focus on providing evidence-based guidance and tools to promote a transition to more climate-resilient agriculture at the national and local level.
- The crop story maps are one of the outputs contextualised to the needs and uses of the stakeholders involved in decision making in the agrifood systems in Lao PDR.



THE FORESIGHT JOURNEY In LAO PDR

- 3 YEARS OF CAPACITY BUILDING, FORESIGHT PRACTICES AND USES
- FEEDBACK LOOP TO DESIGN OUTPUTS THAT INCREASE ROBUSTNESS IN DECISION MAKING USING CLIMATE SCENARIOS AND AEZ
- FUTURE LITERACY AT A CENTRAL PLACE WITH MORE THAN 100 H OF TRAINING
- CROP STORY MAPS DESIGNED INTERNALLY BY THE PARTICIPANTSOF THE TRAINING (DALAM AND NAFRI)



STORYMAP HIGHLIGHTS







Developed by Dr. Rathana Peou Norbert-Munns, Loes Verkuil, Dr. Ana Duden and Dr. Joost Vervoort

UTRECHT UNIVERSITY AND THE OGIAR RESEARCH PROGRAM ON CLIMATE CHANGE, AGRICULTURE AND FOOD SECURITY (CCAFS)







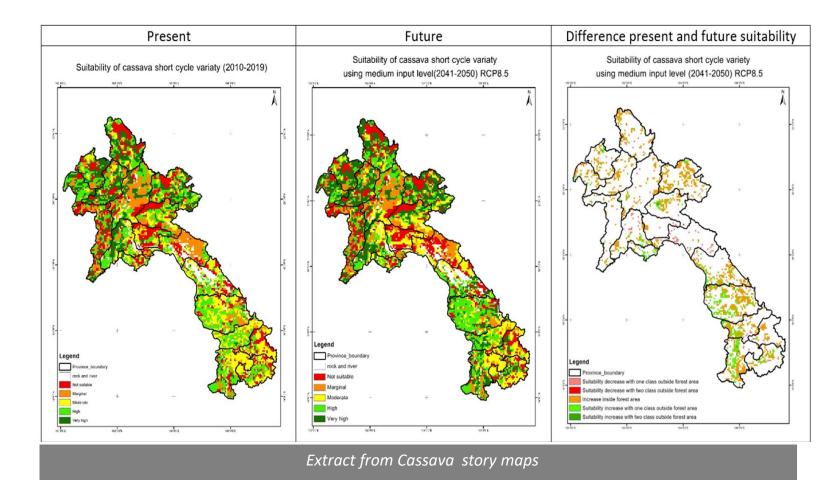






Integrating AEZ maps, climate scenarios

Generating hot spot maps



The Agro-Ecological Zones (AEZ) methodology is a framework based on the principles of land evaluation (FAO, 1976) to support sustainable agricultural development by characterizing agricultural land utilization options. The suitability maps produced against different under a climate scenarios are then presented from present to future suitability. The hotspot map highlights the difference between the maps and indicate areas that are likely to increase or decline (better allocation of future suitable areas while avoiding using natural forest area and paddy rice).



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CURRENT & FUTURE TRENDS

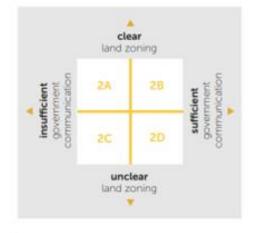


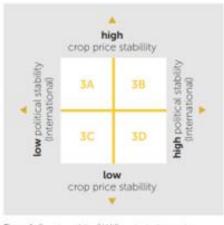
PRIORITY RECOMMENDATIONS

more secure land ownership less secure land ownership

OVERVIEW OF THE DECISION SUPPORT

SCENARIOS | SAMIS contextual scenarios





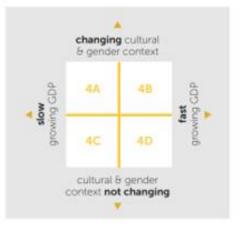


Figure 1. Overview of the SAMIS contestual scenarios.



Thank you for your attention!

For more information:

https://www.fao.org/in-action/samis/resources/publications/en/