





Table of contents

- 1. Background information
- 2. Soil salinity mapping
- 3. Salinity management manual







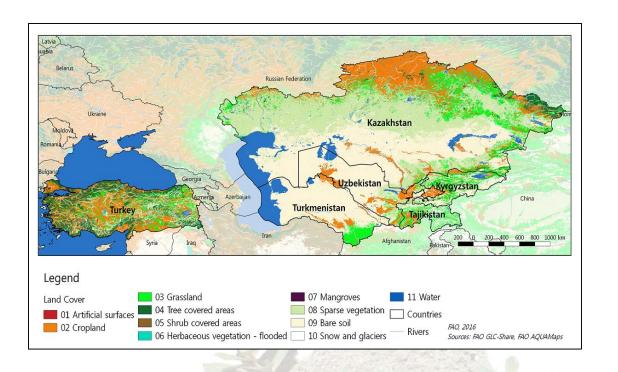






Background information

- CACILM-2 is a regional FAO-GEF project in 5
 Central Asian countries and Turkey and aims to scale up best practices and integrated natural resources management approaches in drought-prone and salt-affected land.
- Kazakhstan with its typical arid climate and intensive irrigation agriculture is severely exposed to the risk of soil salinization.
- An outdated soil salinity map and a lack of knowledge and skills impeded the effectiveness of efforts to combat the soil salinization.





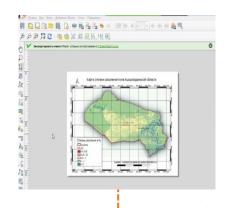


Soil salinity mapping



Ministry of Agriculture

Ground data collection



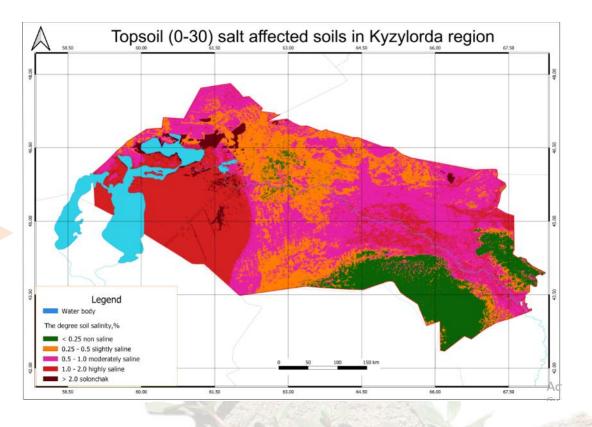
CACILM-2

Training sessions on ground measurement & GIS tools



CACILM-2

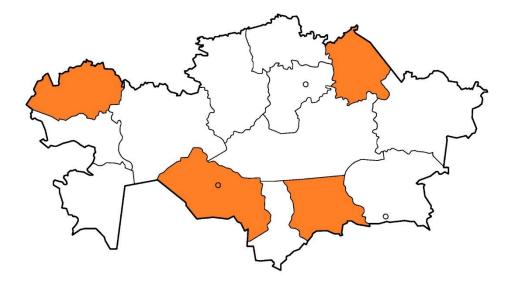
Calibration of remote sensing data with the ground data

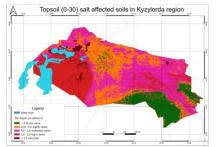


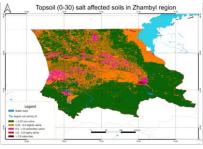


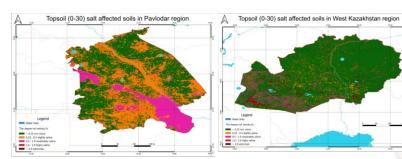
Soil salinity mapping

- Soil salinity mapping has been completed for 4 oblasts as of now.
- A preliminary map of the whole Kazakhstan will be made this year with ground data.







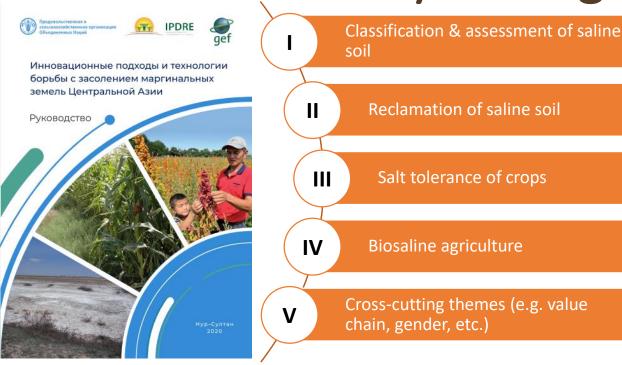


- Up-to-date soil salinity data will provide a scientific base for decision-makers.
- More advanced research on salinity will be facilitated.
- Soil salinity mapping will be sustained by local stakeholders trained through CACILM-2.





Salinity management manual



- An integrated modular approach was applied for a manual, which addressed soil, water, biosaline agriculture, and more.
- A special focus was given to the specific circumstance of Central Asia with rich field examples, particularly of Kazakhstan.
- Cross-cutting themes were considered to achieve SDGs in a more comprehensive way.

- The manual will improve farmers' knowledge of salinity management.
- The best biosaline practices are to be applied to salinity vulnerable areas identified by the soil salinity mapping, and the subsequent change in salinity will be monitored by a regular update of the map.



GLOBAL SYMPOSIUM ON SALT-AFFECTED SOILS

20 - 22 October, 2021 Virtual meeting

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