

# Salt-affected soils: threats and potentials

The International Network on Salt-Affected Soils MSAS

Joint meeting of INSAS and SUSTAIN

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#### International cooperation in the field of SAS









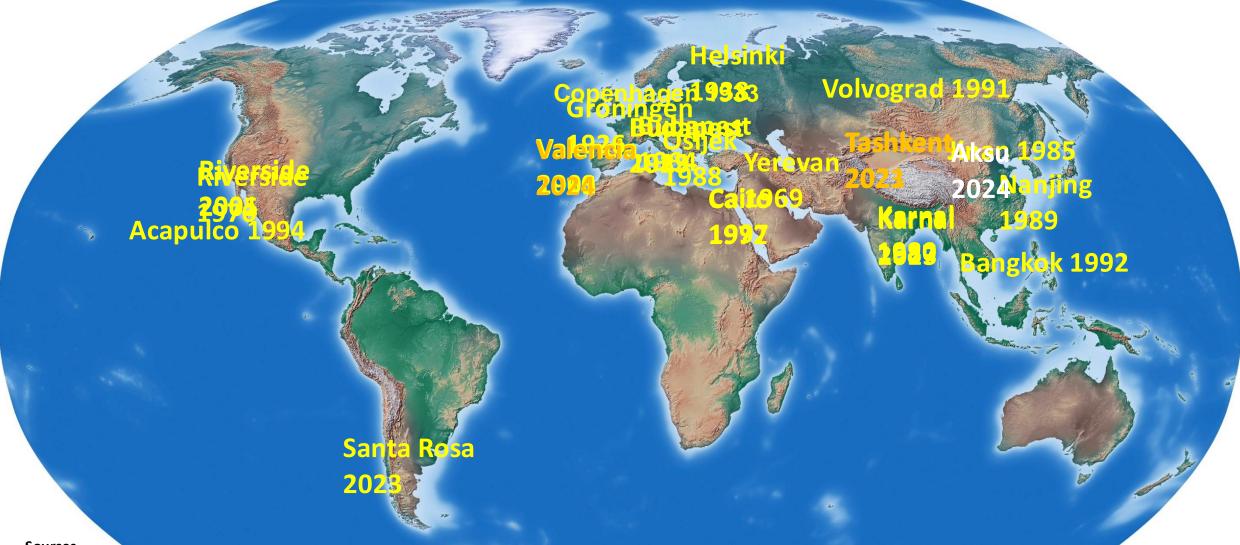




Joint meeting of the International network of salt-affected soils (INSAS) and the COST Action on the sustainable use of salt-affected lands (SUSTAIN)



#### Symposia organized by the Commission (apart of WCSS)



#### Sources

- M. Redly. Contribution of Subcommission a (Salt Affected Soils) to the Achievements in the Investigation and Management of Saline and Alkali Soils 1964–2001.
- Tibor Toth (personal communication).
- J. Batlle-Sales

# The collaboration within GSP: "Difussion of knowledge"







International Union of Soil Sciences





# The International Network of Salt-Affected Soils

The International Network of Salt-Affected Soils (INSAS), launched in 2019 during the International Center for Biosaline Agriculture's (ICBA) first Global Forum on Innovations for Marginal Environments, is a Technical Network of the Global Soil Partnership (GSP).

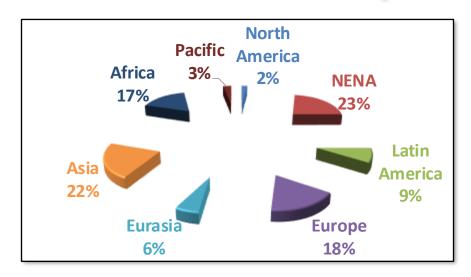
The Network aims to facilitate the sustainable and productive use of salt-affected soils for current and future generations.

INSAS's mission is to support and facilitate joint efforts towards the sustainable management of SAS for food security, agricultural sustainability and climate change mitigation.





#### The International Network of Salt-Affected Soils





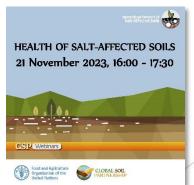


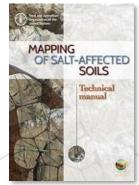


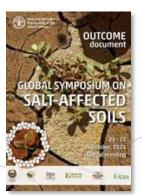


# On-going activities of MSAS

- Global report on the status of SAS.
- Standard Operating Procedures for SAS in cooperation with GLOSOLAN.
- Series of webinars covering measurement, sampling, modeling, management Policy and Governance of SAS.
- Harmonized protocols for soil salinity/sodicity sampling, mapping and assessment.
- Database of good practices.
- Organization of INSAS meetings in collaboration with Commission 3.6, COST and other.

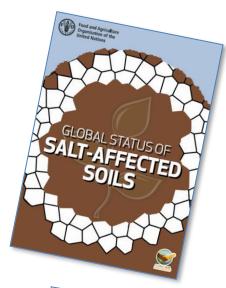


















# The role of MSAS and Commission on SAS of the MSS

- Advancing scientific understanding of saline environments and the challenges facing agricultural soils at risk of salinization, while developing soil health indicators.
- Promoting the adoption of new technologies to address soil salinization.
- Fostering collaboration with other organizations to translate knowledge into actionable guidelines for farmers and stakeholders.
- Advocating for the inclusion of soil salinization regulation and environmental restoration on political agendas.
- Educating future generations on the importance of conserving and managing natural, nonrenewable resources, which are fundamental to food production.



International Union of Soil Sciences Commission on Salt Affected Soils









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Confederazione Svizzera



the European Union













