



GLOSOLAN and the FAO's International Network on Salt-Affected Soils (INSAS) Filippo Benedetti





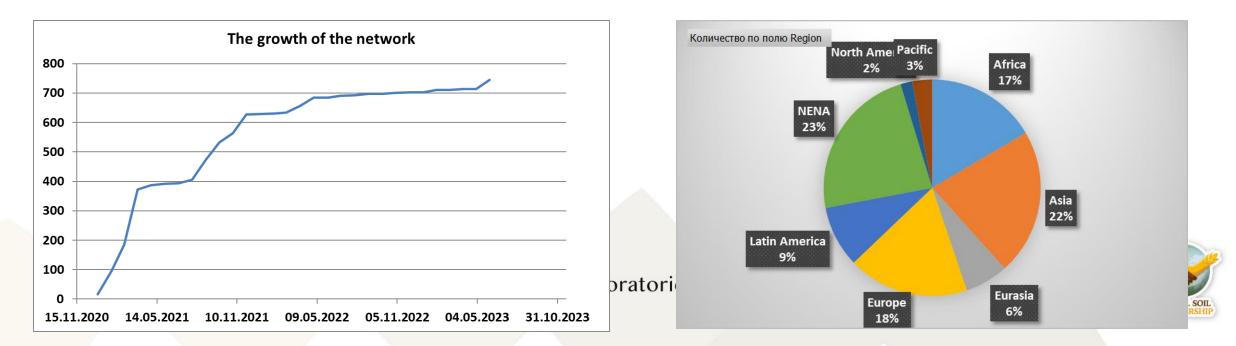






About INSAS

- INSAS was established in 2019 under the aegis of the Global Soil Partnership with the aim to facilitate the sustainable and productive use of salt-affected soils for current and future generations
- First meeting of INSAS took place on April 14-15, 2021 (virtual format) where the governance of INSAS was established and the working groups were formed
- At present, INSAS has 743 members from 125 countries



Second meeting of INSAS (Tashkent/Nukus, May 22-26, 2023)

- +170 in-person participants from 24 countries and +370 online participants from 78 countries
- Conference, technical sessions of INSAS working groups, trainings, field excursion to the dried bottom of the Aral Sea and halophyte farm
- The work plan of INSAS for 2023-2024 and onwards have been approved
- The materials of this meeting are available at: <u>https://www.fao.org/index.php?id=118216</u>





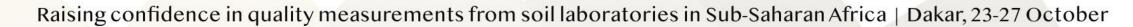
Working groups of INSAS

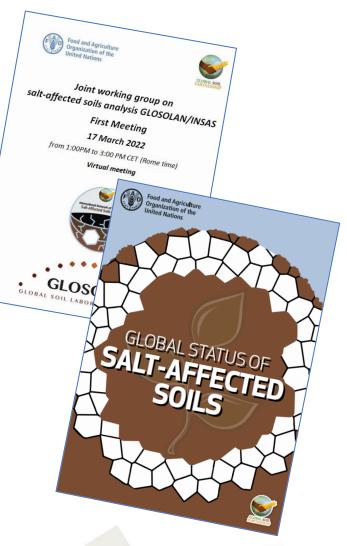
Working group	Activity	Number of experts	Number of countries represented	
SAS&Assessment	Mapping, assessing and monitoring of salt-affected soils	142	59	
SAS&SSM	Sustainable management of salt-affected soils (practices, policy)	157	68	
SAS&Crops	Halophyte agriculture and salt-tolerant crops and plants	65	33	
SAS&Water	Integrated soil and water management under saline/sodic conditions	135	60	



Ongoing activities of INSAS

- **Global report** on the status of salt-affected soils;
- **Standard Operating Procedures** for salt-affected soils (jointly with GLOSOLAN);
- Series of webinars covering measurement, sampling, modeling and management of salt-affected soils;
- Harmonized protocols for soil salinity/sodicity sampling, mapping and assessment;
- Database of good practices.







Status with the Global Assessment of Salt-Affected Soils

Introduction

Chapter 1. Salt-affected soils: the global perspective

Chapter 2. Drivers of soil salinization and sodification

Chapter 3. Soil salinization and sodification

Chapter 4. Status of salt-affected soils

Chapter 5. Effect of salinization/sodification on food production, food security, and socio-economic situation

Chapter 6. Responses to the challenges

Conclusions

STATUS (as of June 16, 2023): **texts** – 16 countries (40 authors) **questionnaire** – 50 countries (91 authors) **national reports** – 39 countries (205 authors)



GSAS questionnaire

Regional coordinators (in alphabetic order):

- Sanjay Arora (Asia),
- Raul Lavado (Latin America and Caribbean),
- Katarzyna Negacz (Europe and Eurasia),
- Stephen Roecker (North America),
- Ahmad Majar (Near East and North Africa),
- Mary Idowu (Africa),
- Ed Lennard-Barrett (Australia and Pacific)

Raising confidence in quality mea

Africa		
Benin		
Botswana		
Cameroon		
Djibouti		
Ethiopia		
Ghana		
Kenya		
Liberia		
Mauritania		
Mozambique		
Nigeria		
Sierra Leone		
South Africa		
Тодо		
Uganda		
United Republic of		
Tanzania		
Zimbabwe		

Asia		
Bangladesh		
China		
Malaysia		
Pakistan		
Thailand		
Europe and Eurasia		
Germany		
Greece		
Hungary		
Israel		
Italy		
Kazakhstan		
Netherlands (Kingdom		
of the)		
Russian Federation		
Spain		
Ukraine		
United Kingdom		

Latin America and the Caribbean Argentina Brazil Colombia Mexico Paraguay Near East and North Africa Algeria Egypt Iran Kuwait Lebanon Libya Sudan Syrian Arab Republic Tunisia United Arab Emirates Yemen North America USA



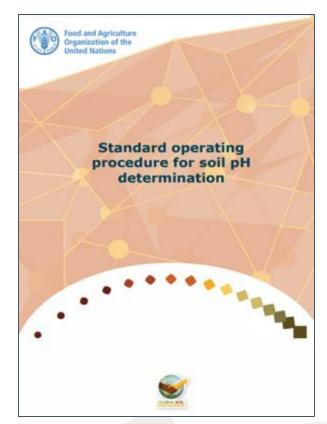
Timeline

March – September 2022	October 2022	November 2022 – February 2023	March – June 2023	July – August 2023	September – October 2023	November 2023	WSD-2023 (December 5)
Development	Call for	Receiving	Compiling	Revision	Modification	FAO	Launch
of ToC and	contributions	questionnaire	a draft	by the	after	publishing	
GSAS		responses and	version	editorial	revision,	system	
questionnaire		chapters		board	compiling a		
				and ITPS	final version		



Review of GLOSOLAN Standard Operating Procedures

SOP	Status		
Boron by hot water extraction	Reviewed, under publication		
pH determination	Reviewed, under publication		
Saturated paste extract	review ongoing		
Electrical conductivity (1:5)	to be reviewed		







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