

The GSP Action Framework

from promotion to consolidation

The Action Framework was adopted by the 10th GSP Plenary Assembly and endorsed by the 28th Session of the COAG (2022).

Quantifiable Goals, Targets and Indicators

GSP AF has a clear ambition shared by all **GSP members** and partners, with the establishment of quantifiable goals, targets and indicators that will allow for the evaluation of the progress that the GSP is making towards its vision of healthy soils.



GSP Action Framework states:

- The progress of the GSP Action Framework will be monitored and measured through Key Performance Indicators derived from SoilSTAT.
- A Global Soil Health Index (GSHI) is to be developed.
- These crucial tasks are to be carried out by a dedicated working group (ISAF WG).





Indicator System for the GSP Action Framework (ISAF) - open call





Call for a Working Group to develop the Indicator System of the GSP Action Framework (ISAF)

Background

In May 2022, the 10th GSP Plenary Assembly (PA) adopted the new GSP Action Framework 2022–2030 that was endorsed by the 28th Session of the FAO Committee on Agriculture (COAG). In this regard, "COAG encouraged FAO and all GSP members to implement the activities outlined therein, as well as tools and initiatives of the GSP including the Voluntary Guidelines for Sustainable Soil Management, the International Code of Conduct for the Sustainable Use and Management of Fertilizers, among others, as appropriate."

The overarching principle of the GSP Action Framework is that in a world in which soils are healthy and resilient, the provision of ecosystem functions and services by soils are sustained for all, leaving no one behind. The vision is that the GSP must work to improve and maintain the health of at least 50 percent of the world's soils by 2030. To further develop the GSP towards a flexible action-oriented approach and meet this objective, Pillars of Action have been replaced by Action Areas linked to concrete actions, initiatives, and roperammes.

- Action Area 1: Manage sustainably and restore soils for the provision of ecosystem services
- Action Area 2: Strengthen soil governance
- Action Area 3: Promote knowledge and literacy on soils
- Action Area 4: Promote awareness raising and advocacy on soil health
- Action Area 5: Assess, map, and monitor soil health in a harmonized way
- Action Area 6: Foster technical cooperation (including gender and youth)

Another novelty of the GSP Action Framework is the inclusion of concrete and quantifiable targets to measure the impact of actions at the global, regional, national and local levels. In this regard, the GSP Action Framework is made up by clear actions and targets focused on addressing the different global challenges – from food insecurity, climate change, pollution, land degradation and the loss of biodiversity – through the improvement and enhancement of soil health. Key performance indicators (KPIs) are to be developed and agreed upon with GSP members and partners to allow monitoring of activities and progress towards these targets.

The Action Framework also proposes the development of a Global Soil Health Index (GSHI), as a composite index including the indicators endorsed in the Protocol for the assessment of sustainable soil management (SSM Protocol) to provide a proxy on the soil health status at global level.

- ✓ ITPS Chairperson & ITPS Members
- ✓ Chairs of the Regional Soil Partnerships
- ✓ Chairs of the GSP Technical Networks
- Experts nominated by GSP National Focal Points
- ✓ Global Soil Partnership Secretariat (facilitator)







Work of ISAF WG

- GSP Performance Indicator System

 monitoring Key Performance Indicators (KPIs) for soil-related activities and initiatives of the GSP
- SoilSTAT Soil Health Indicator System a comprehensive platform for monitoring key soil health indicators
- Global Soil Health Dashboard

 Standardized metric to measure and track the soil health worldwide





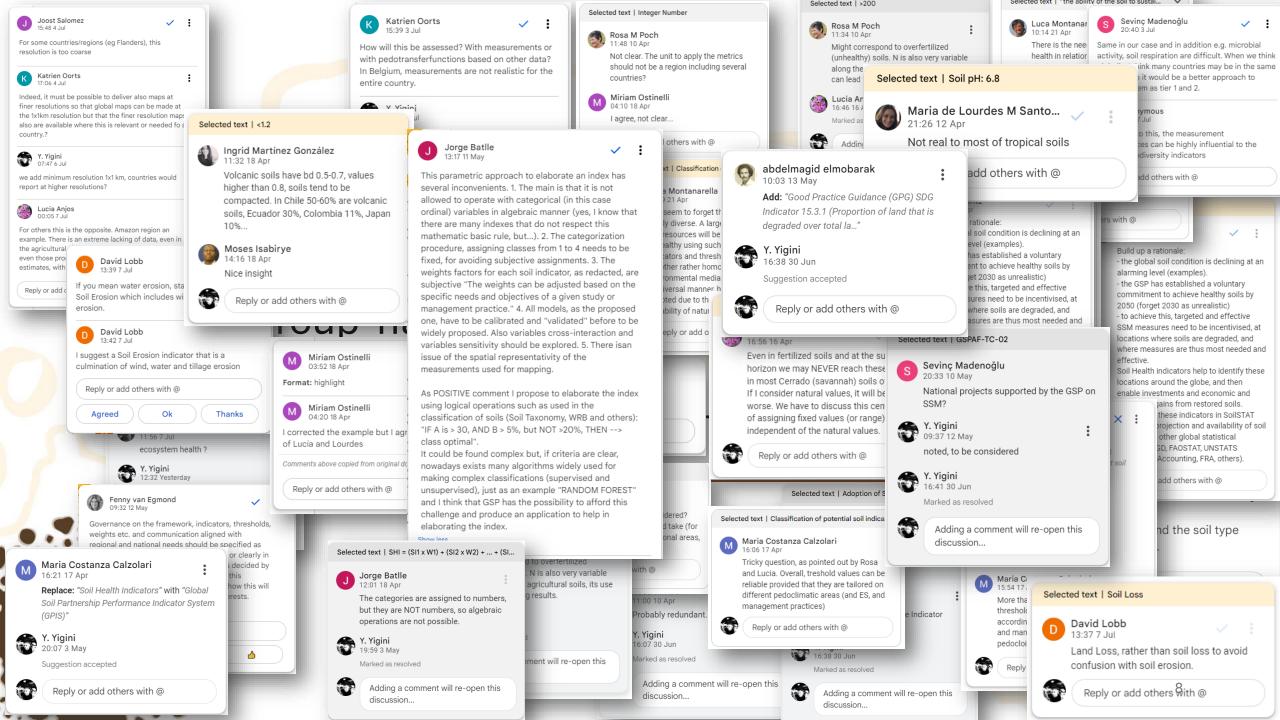


Over 500 valuable inputs! The Working Group has demonstrated an extraordinary level of engagement and attention to detail in the development.









The Final Draft:

Global Soil Partnership Action Framework 2030

SoilSTAT

Development and Integration of Key Performance Indicators for the Global Soil Partnership, the Soil Health Indicator System, and the Global Soil Health Index (GSHI)

Concept Note

ISAF Working Group

2023

- Global Soil Partnership Performance Indicator System
- SoilSTAT: Soil Health Indicator System
- Global Soil Health Dashboard

#

+ Indicator Factsheets, Operational Aspects, Reporting Lines, Data Policy, QA/QC





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GSP Performance Indicators

- 16 KPIs
- 6 Domains (SSM, Soil Governance, Knowledge and literacy, Awareness raising, Soil Information and Data, Technical Cooperation)

6	Soil Governance	Implementation of the Fertilizer Code	# of countries technically supported to include the Fertilizer Code principles into national policies and strategies.	1	#	GSPAF-SG-02	National Counterpart (INSII)	202x
7	Soil Governance	Formalization of cooperation between the FAO/GSP and other relevant intergovernmental processes and monitoring frameworks	# of official agreements between FAO/GSP and relevant intergovernmental bodies	1	#	GSPAF-SG-03	National Counterpart (INSII)	202x
8	Knowledge and literacy	Capacity development programmes/courses on SSM	1)# of participants trained through the GSP's capacity development programmes 2) # of training sessions organised by the GSP	1	#	GSPAF-KL-01a GSPAF-KL-01b	GSP Secretariat	202x
9	Knowledge and literacy	Global assessments reports on the state of world's soils and soil threats	# of global assessments and reports on soils published by the GSP	1	#	GSPAF-KL-02	GSP Secretariat	202x
10	Awareness raising and Advocacy on Soil Health	Outreach of the World Soil Day	Social Media Engagement Rate ² Campaign Reach ³	1	% - #	GSPAF-AR-01a GSPAF-AR-01b	GSP Secretariat	202x





2 Soil Health Indicators

10 Soil Threats

 in line with
 the Status of
 the World's
 Soil
 Resources
 Report (SWSR)

Domain	Indicator	Metric	Unit	Tier 1 Data	Spatial Res.	Mandatory (Y/N)
	Soil Organic Carbon					
SOC decline	Sequestration Potential	Predicted SOCseq Potential	Mg/ha/yr	GSOCseq	1x1km	N
		Predicted variation on SOC		GSOCmap		
SOC decline	Soil Organic Carbon Stock	Stocks	Mg/ha		1x1km	Υ
	Soil Organic Carbon	Soil Organic Carbon		N/A	1x1 km	N
SOC decline	Concentration	Concentration	% or g/kg			
		Measured or Predicted				
Salinization	Electrical Conductivity	Electrical Conductivity (EC)	dS/m at 25ºC	GSASmap	1x1km	Υ
	Exchangeable Sodium percentage or Sodium	Predicted/Measured ESP or				
Sodification	Adsorption Ratio	SAR	%	GSASmap	1x1km	N
		Area under severe risk of		N/A		
Erosion	Water Erosion Risk	erosion	tonnes/ha/y			N
		Predicted Annual Soil Loss by		N/A		
Erosion	Tillage Erosion	Tillage	Mg/ha/yr			N
				JRC/ESDAC		
				-Glosem 1.3	100 m x 100 m	
				-Global Soil	(crops)	
		Predicted Annual Soil Loss by		Erodibility	1 km x 1 km	
Erosion	Water Erosion Rate	Water	Mg/ha/yr	-EPM	800 m x 800 m	Υ
Erosion	Wind Erosion	Susceptibility to Wind Erosion	% (ILSWE)	N/A		N

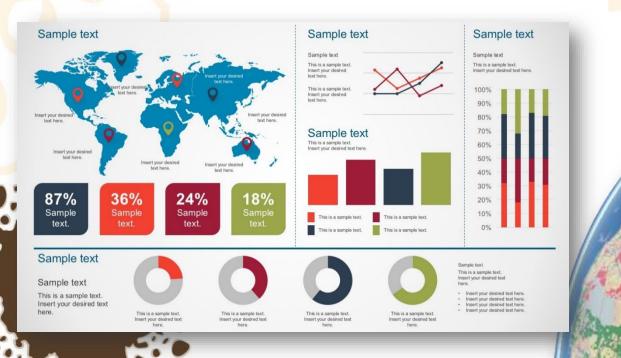




3 Soil Health Index

 Approach: Soil Ecosystem Services Soil Threats/Degradation as a proxy for soil health, agricultural soils.

Global Soil Health Dashboard



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Soil Health Index?

- Lack of agreed-upon thresholds for many soil attributes such as soil organic carbon and pH. The wide range of values for natural soils makes identification of a threshold of concern very difficult.
- Lack of agreed-upon models for processes such as soil erosion by water, wind and tillage.
- Thresholds depend on the ecosystem service considered and on the soil management system applied.
- For some attributes (e.g. soil pollution) there are many national thresholds in place and there would be considerable concern with the imposition of global thresholds.





Next Steps - conclusions of the 12th GSP PA

- The 12th GSP PA urged the ISAF working group and the GSP Secretariat to finalize the indicator system of the GSP Action Framework 2022-2030 and the Global Soil Health Indicator System.
- The Plenary Assembly requested that the proposal be first shared with the focal points for validation and presented to the 13th GSP Plenary Assembly for approval.





Next Steps - 13th PA

- Review of the Indicator Systems proposed by ISAF by INSII (document to be opened for review Dec 15).
- Submission for review (Q1 2025) and final endorsement of the Indicator System during the 13th Plenary Assembly of the GSP (June 2025).
- INSII and GLOSOLAN work plans to be developed in accordance with the indicator system.
- Dedicated working sessions during the 10th INSII meeting with the ISAF working group (Jan 15-16-17) to develop an implementation plan for 2025-2030 to support national reporting on soil health indicators.





