

ISO versus GLOSOLAN standards: how far apart?

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7th Meeting of the
**Global Soil
Laboratory
Network
(GLOSOLAN)**




GLOSOLAN
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ISO

- ISO: (International Organization for Standardization) is an independent, non-governmental international organization with a membership of 169 [national standards bodies](#) since 1947
- Brings together experts to share knowledge and develop voluntary, consensus-based, market relevant International Standards
- Currently 25032 standards, 825 committees, 169 countries
- Pay for use of standards
- ISO Certification is a quality stamp

Reference ↑	Title	ISOTC working area	Published standards	Standards under development
ISO/TC 134	Fertilizers, soil conditioners and beneficial substances	Working area	60	4
ISO/TC 190	Soil quality	Working area	<u>196</u>	33

GLOSOLAN

- The Global Soil Laboratory Network (GLOSOLAN) was established in 2017 to **build and strengthen the capacity of laboratories in soil analysis and to respond to the need for harmonizing soil analytical data**
- Network of soil laboratories worldwide since 2017
- SOP's, QA/QC procedures, capacity development, equipment, Health and Safety
- Standards are community harmonization effort
- Available for free

GLOSOLAN Areas of work



Global Soil Laboratory



How do they relate?

- How different are GLOSOLAN SOP's from ISO standards?
- Perhaps many elements of ISO standards are part of GLOSOLAN SOP's, or do substantial elements differ?
- When to choose which one?
(Can GLOSOLAN SOP's be reported/used to approximate ISO standards?)
- ISO standards are not free, GLOSOLAN SOP's are.
Clash with Open Science principles

ANNEXES

to the proposal for a Directive of the European Parliament and of the Council

on Soil Monitoring and Resilience (Soil Monitoring Law)

Electrical Conductivity	<p>Option 1: saturated soil paste extract (eEC) measurement method (FAO SOP: GLOSOLAN-SOP-08⁷)</p> <p>Option 2: ISO 11265:1994 Determination of The Specific Electrical Conductivity;</p>
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Food and Agriculture
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United Nations



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Thanks for discussing!



Subcommittee ↑	Subcommittee Title	Published standards	Standards under development
ISO/TC 190/SC 3	Chemical and physical characterization	86	15
ISO/TC 190/SC 4	Biological characterization	56	9
ISO/TC 190/SC 7	Impact assessment	38	5

Filter : Published Under development Withdrawn Deleted

Search in the list

Standard and/or project under the direct responsibility of ISO/TC 190 Secretariat (4) ↑

	Stage	ICS
<input checked="" type="radio"/> ISO/DIS 11074 Soil quality — Vocabulary	40.60	01.040.13 13.080.01
<input checked="" type="radio"/> ISO/CD 18718 Assessment of soil functions and related-ecosystem services: definitions and conceptual Framework	30.60	13.080.01
<input checked="" type="radio"/> ISO/CD 18721 Assessment of ecological soil functions: indicators and methods	30.60	13.080.01
<input checked="" type="radio"/> ISO/AWI 21251 Guidance for estimating organic carbon stocks in soils according to their biogeochemical stability or or residence time	20.00	