



Food and Agriculture
Organization of the
United Nations

GLOBAL SOIL PARTNERSHIP

INTERNATIONAL ¹2th Plenary Assembly

03-05 June 2024

NETWORK ON SOIL POLLUTION (INSOP)

Ravi Naidu



INSOP and its objectives

- Strengthen the **knowledge** about soil pollution
- Promote and exchange practices, scientific knowledge and ideas for managing polluted soils in a sustainable manner
- Establish links between governments, academia, the private sector, and society to stimulate the development for sustainable solutions
- Support and facilitate joint efforts towards preventing, reducing and mitigating soil pollution
- Link soil contaminants to the One Health approach

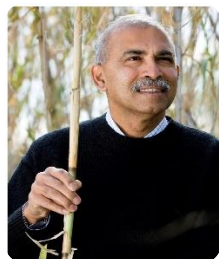


- **Established in April 2022**
- **1,100 INSOP members from 130 countries**

INSOP governance



GLOBAL SOIL
PARTNERSHIP



Ravi Naidu

INSOP Chair



Deyi Hou

INSOP Vice-Chair



Sergejus Ustinov

INSOP coordinator

Assessment WG

Helen Karasali



Monitoring WG

Claudia E Lima de Silva



Remediation WG

Scott D. Warner



Fang Wang



Food Safety WG

David O'Connor



INSOP 2024 activities

Working Group	Activity	Current stage
Assessment	Development of the soil pollution threshold values database	Data collection
	SOP for measuring heavy metals in fertilizers	Completed
	SOP for measuring residue of pesticides in the soil	Data collection
Monitoring	Updating SoiLEX with soil pollution assessment, monitoring and remediation legal tools	Data collection
Remediation	Remediation checklist	Peer-review/Proof-reading
Food Safety	Soil Pollution educational material for Soil Doctors Programme	Poster development
FAO Technical Manual on soil pollution assessment, monitoring and risk communication		Development

INSOP potential projects

Topic	Activity	Countries of interest	Estimated cost
Military conflict pollution	War contaminants and their impacts on soil degradation and fertility	Ukraine/Viet Nam/Chad	\$3,000,000
Mercury pollution	Preventing and reducing mercury pollution in agricultural soils in Sub-Saharan Africa	Zambia/Zimbabwe/DRC,	\$1,500,000
Trace elements in agriculture	Risk assessment of heavy metals contamination in rice, sugar and other crops, implementation of sustainable management practices	Fiji/Colombia/Viet Nam	\$600,000
Radionuclide pollution	Bio and phytoremediation approaches for radionuclides removal in agricultural and recreational land uses	Kazakhstan/India	\$500,000
Microplastic pollution	Reducing microplastic pollution through plastic alternative and sustainable soil management	Colombia/Armenia/Ghana	\$300,000

Soil pollution hurts One Health



We need to work together to make soil safe and healthy



Request to GSP Plenary Assembly

- Encourage national experts and stakeholders to join INSOP
- Communicate-Awareness
- Persevere and persist
- Access and Raise resources



Communication and products

- Quarterly INSOP updates
- WG sessions
- Conference participation
- Inorganic Contaminants Book
- CleanUP 2024



Dear INSOP members,

This is your quarterly update from the International Network on Soil Pollution

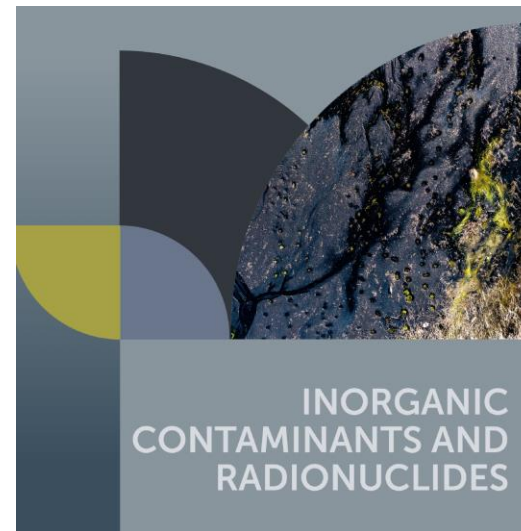
UPDATES

Open call for INSOP members to develop SOP for determining residue of pesticides in soil using the QuEChERS Method

As part of the Assessment WG, INSOP is developing a Standard Operating Procedure (SOP) for determining the residue of pesticides using a QuEChERS method. As of today, 49 soil laboratories shared their QuEChERS method analyses from 14 countries. If you have experience determining pesticide residues in soil using the QuEChERS method and would like to be the author of FAO SOP protocol, do not hesitate to express your interest to the INSOP secretary.

Soil pollution national threshold values database

As part of the Assessment WG, INSOP has collected the national threshold values for heavy metals and pesticides from 28 countries. INSOP, in partnership with the Common Forum, will organize a workshop to showcase countries with national threshold values and what should be done to bring more on board. The date is yet to be confirmed.



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THANK YOU



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