

# Europe and Eurasia Latin America and the Caribbean Near East and North Africa

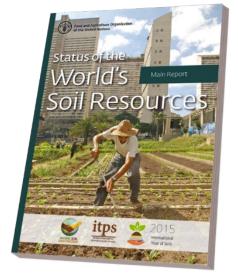
## Why FAO works on Soil Pollution?

2015 report on the status of soils worldwide

Soil pollution is one of the major threats to soil

functioning

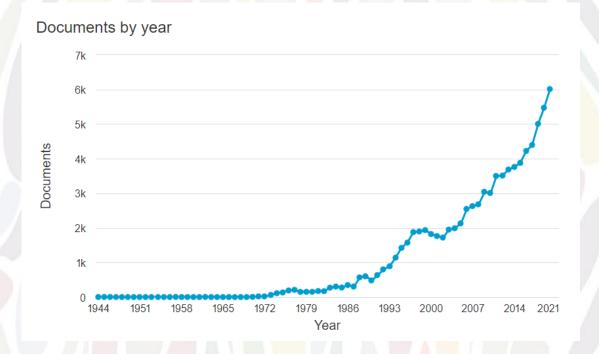
There was a significant lack of information compared to the information available for other threats





### Why FAO works on Soil Pollution?

#### Exponential growth of information, but not yet a complete picture



Source: Scopus, 2021 (soil pollution, soil contamination, contaminated soil, polluted soil)



There is strong evidence that soil pollution poses a major threat to the provision of ecosystem services by soils...



LAUNCH OF THE INTERNATIONAL NETWORK ON SOIL POLLUTION (INSOP) | 22 APRIL 2022





## Soil pollution jeopardizes the achievement of most of the SDGs

The prevention, control, and remediation of soil pollution are fundamental if we want to implement the 2030 Agenda for Sustainable Development.





10.1. Soil pollution

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**1.1.** About 79 per

livelihoods. Soil

pollution reduces



11.2.-11.6.

2 ZERO HUNGER

2.4. Soil pollution

12 RESPONSIBLE CONSUMPTION AND PRODUCTION CO



12.2.-12.4.-**12.5.** The world

**3.4.-3.9.** WHO

3 GOOD HEALTH AND WELL-BEING



13 CLIMATE ACTION



13.1. Soil pollution

in agriculture CO2 equivalents. **5.5.** Around 45 per





14 LIFE BELOW WATER



**14.1.** About 80

6.3. Soil pollution **7.2.** Around 65 percent of the world's energy production comes from the combustion of fossil fuels (coal, natural gas and oil), which are a major source of

6 CLEAN WATER AND SANITATION



15 LIFE ON LAND

15.3. Soil pollution

environmental

contaminants.



16 PEACE, JUSTICE AND STRONG INSTITUTIONS

16.3.-16.7

poorest and most

pollution.

Environmental

most affected by soil

inequalities exist in

both developing and

and are fostered by a

lack of information

and data on the state

ability of affected populations to react. act and decide.



17 PARTNERSHIPS FOR THE GOALS

17.7.-17.9.

8.4. Poorly

and diffusion of chemicals into the

environment

resulting from

industrial activities

are major sources of

soil pollution, both

on the industrial site

and also more widely

through the transport

of particles via air and

8 DECENT WORK AND ECONOMIC GROWTH

water.

Developed countries are more advanced in the development of technologies to detect emerging contaminants, innovative environmentally friendly industrial production and soil pollution remediation technologies, and therefore need to actively collaborate in the transfer of knowledge.





## International recognition of soil pollution as a global threat

UNITED NATIONS

EΡ





Distr.: General 30 January 2018 Original: English



United Nations Environment Assembly of the United Nations Environment Programme

Inited Nations Environment Assembly of th Inited Nations Environment Programme

Nairobi, 4-6 December 2017

#### 3/6. Managing soil pollution to achieve sustainable development

The United Nations Environment Assembly

Recalling the adoption of United Nations General Assembly resolution 70/1, entitled "Transforming our world: the 2030 Agenda for Sustainable Development",

Recaling also the revised World Soil Charter, adopted by the Conference of the Food and Agriculture Organization of the United Nations at its otherly-with seasons, held in Reme in Inna 2015, and reafferning in that regard that Governments should cotablish and implement regulations to limit the accumulation of contamination beyond established levels to safegared human health and well-being and facilitate the remediation of contaminated soils that exceed those levels where they pose a threat to humans, behavior and animals.

Recalling further United Nations Environment Assembly resolution 2/24 on combating descritification, land degradation and drought and promoting sustainable pastoralism and rangelands.

Welcoming the work of the Food and Agriculture Organization of the United Nations on soil issues, including the establishment of the Global Soil Patternship for Food Security and Cirrate Change Adaptation and Mitigation by the Council of the Food and Agriculture Organization of the United Nations in December 2012 and the publication in December 2015 of the Status of the World's Soil Resources report by the Global Soil Patternship Intergoversmental Technical Panel on Soils, as well as the development of the Violantary Guideline for Sustainable Soil Managowant endowed by the Council of the Food and Agriculture Organization of the United Nations at its one hundred and frifty-fifth seasons, held in Rome in December 2016.

Welcoming also the work of the United Nations Convention to Corrbat Description in Those Countries Experiencing Serious Drought and adult Descriptionien, Particularly in Africa, on land and the Jaunch of the Global Land Outlook at the thirteenth session of the Conference of the Parties to the United Nations Convention to Combat Descriptication in September 2017,

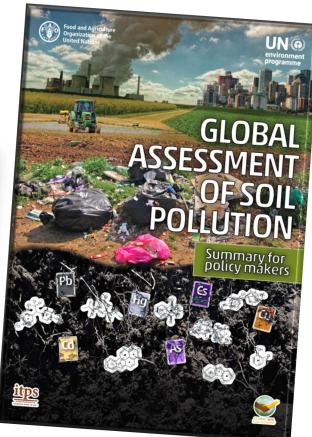
Acknowledging that land is the main resource base around which ecosystem services are anchored, that soil is one of the largest reservoirs of biodiversity and that the negative impacts of the contamination of soil undermine productivity and sustainability of ecosystems, biodiversity, agriculture and food security, and clean ground and surface water, potentially hampering the achievement of the Sustainable Development Goods, including Goods 1, 2, 3, 6, 12, 13 and 15.<sup>1</sup>

Acknowledging also that soils, which contain the second largest active earbon stock, the first being the oceans, are an essential element for climate change mitigation and resilience, and that land

A/RES/70/1.

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### GSP agenda for action: 4 key actions

#### Fill knowledge gaps



Improved soil pollution information and monitoring as part of the Global Soil Information System and Global Soil Health and Biodiversity Observatory



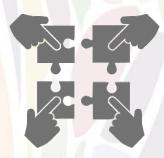
#### **Strengthen legal frameworks**

Global commitment towards preventing, halting and remediating soil pollution in the framework of Zero Pollution/Towards a Pollution Free Planet ambitions



## Improve awareness and communication

Promote pollution-free options and incentivise 4R approach

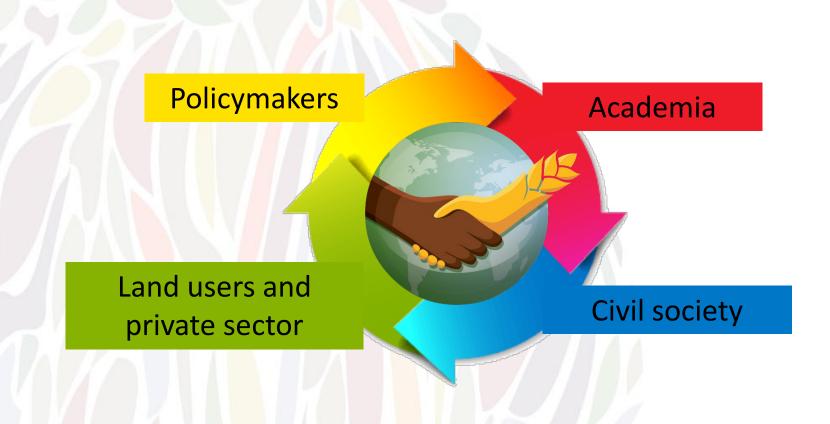


#### Foster international cooperation

Advocate for technology transfer and cross-capacity building for the whole cycle of soil pollution, from prevention to detection, monitoring, management, and remediation



## Why an International Network on Soil Pollution?







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## Thank you and Welcome to the INSOP!

