



Proposal for a Directive on Soil Monitoring and Resilience (Soil Monitoring Law)

The States General for Soil Health

Ecomondo

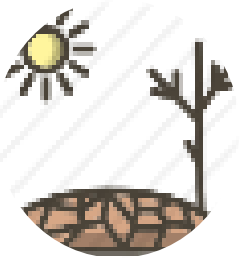
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Healthy soils as key contribution to 4 EGD objectives



Healthy soils for achieving the Union's overarching objectives concerning **climate change mitigation and adaptation** and **biodiversity**



Healthy soils for preventing and mitigating the impacts of **natural disasters** and increasing the **drought resilience**



Healthy soils for increasing/ensuring the EU's **long term capacity** to produce **sufficient, safe and nutritious food**



Healthy soils for protecting the **health** of EU citizens



Why do we need to act?

60-70%

of soils are not healthy

13%

of EU soils suffer from high erosion with 1.25 bEUR yearly losses in crop yield

78%

of land take takes place in agricultural land

7.4 million tonnes

of CO₂ lost yearly by mineral soils under cropland

25%

of land in Southern, central and Eastern Europe at high or very high risk of desertification

200 – 800 k deaths globally per year due to soil contamination

390.000 contaminated sites to be remediated

Erosion, compaction, organic matter decline, pollution, loss of soil biodiversity, acidification, salinization, excess nutrients, desertification, land take and sealing





EU Biodiversity Strategy
(°20/05/2020)



EU Soil Strategy
(°17/11/2021)



Proposal Soil Monitoring Law
(°05/07/2023)



The commitment in the EU Soil Strategy

- By **2050**, all EU soil ecosystems are in **healthy** condition and are thus more **resilient**, which will require very **decisive changes** in this decade.
- By then, **protection, sustainable use and restoration of soil** has become the norm.
- Healthy soils are essential to achieve **climate neutrality**, a clean and **circular economy**, revert **biodiversity loss**, safeguard **human health**, halt **desertification** and revert **land degradation**.
- Legislative proposal by 2023

Process

EU Soil Strategy: 17/11/2021

Call for evidence: 16/02/2022 – 16/03/2022 (189 replies)

Public consultation: 01/08/2022 – 24/10/2022 (5.782 replies)

Other consultation activities:

- EU soil expert group meetings: old & new composition
- Interviews
- Targeted questionnaire

Regulatory scrutiny board opinions: 17/02/2023 & 28/04/2023

Publication of the impact assessment and adoption of the proposal:
05/07/2023



SUSTAINABLE USE OF NATURAL RESOURCES

“ Today, we are filling a major legal gap to bring soil under our legal acquis. This will become the first EU law on soil. Our ultimate objective is to achieve healthy soils by 2050. “



European Commission
Commission européenne



Commission européenne
European Commission



Scope of the proposal

- Directive allows flexible and proportionate intervention
- All soils in the territory of Member States
- Staged approach
- Building on existing policies

Soil Monitoring Law

Directive on soil monitoring and resilience

01

Objectives

Healthy soils
by 2050



03

Monitoring & assessment

Descriptors, measurements,
methodologies



05

Sustainable soil management

Principles and land
take mitigation



07

Reporting

Informing the public
and evaluation



02

Definitions

Including criteria for
healthy soil



04

Services & support

Certification and data support



06

Contaminated sites

Identification, investigation, risk
assessment, management,
registration



European
Commission

Timeline for implementation

Entry into force	+1	+2	+3	+4	+5	+6	+7	+8	+9	+10	+11
Transposition											
Establishing soil districts and appoint authorities											
Establishing digital soil health data portal (COM and EEA)											
Soil health certification scheme											
First soil measurements (including LUCAS)											
First soil health assessment											
First reporting to the Commission and EEA											
Establishing a register (potentially) contaminated sites											
Establishing a risk-based approach											
Identifying potentially contaminated sites											
Investigating potentially contaminated sites											...
Managing contaminated sites											...
Definining SSM and regeneration practices											...
Evaluation of the Directive											
Second soil measurements											
Second soil health assessment											
Second reporting to the Commission and EEA											

Thank you! Questions?

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