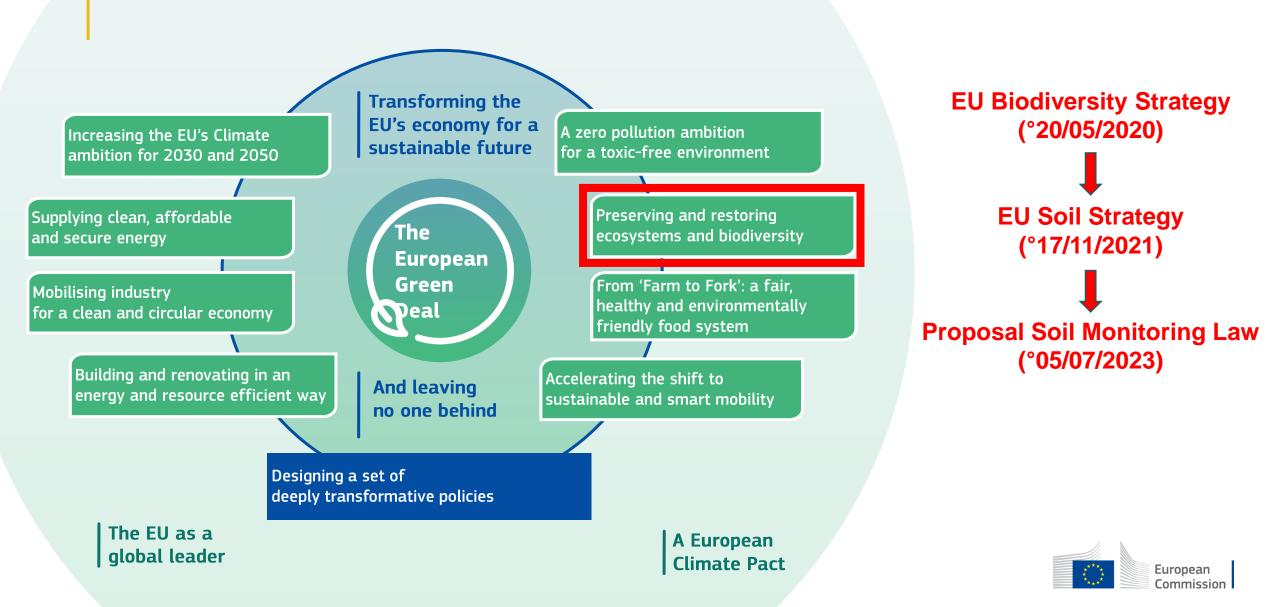


Soil Monitoring Law proposal

13 July 2023

Bavo Peeters ENV.D1 Land Use & Management

European Green Deal (°11/12/2019)



EU Soil Strategy for 2030

"The Commission will table a dedicated legislative proposal on soil health by 2023 which will enable the objectives of this strategy to be met and good soil health to be achieved across the EU by 2050. Such a legislative initiative will fulfil better regulation requirements, be based on a thorough impact assessment, including a subsidiarity check, and fully respect the competences of Member States in this matter."



Process

- EU soil expert group since 2015
- 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)
- Regulatory scrutiny board opinions: 17/02/2023 & 28/04/2023
- Numerous stakeholder interactions, dedicated meetings, interviews, events, etc.



European Parliament resolution on soil protection



ENVI Committee Press ② @EP_Environment · Apr 28 #EPlenary adopts @EP_Environment resolution with 605 55 41 calling on the @EU_Commission to design an EU-wide common legal framework for the protection & sustainable use of soil

Press release 〕



MEPs call for EU common legal framework for the ... Parliament calls on the Commission to design an EUwide common legal framework for the protection ... & europarl.europa.eu



. . .

Why do we need to act?

60-70% of soils are not

healthy

of land take takes place in agricultural 13%

78%

land

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

7.4 million tonnes of CO_2 lost yearly by mineral soils under cropland

25%

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

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

200 – 800 k

deaths globally

per year due to

soil

contamination



SUSTAINABLE USE OF NATURAL RESOURCE

European Commission Commission européenne



#EUGreenDeal #EUFarm2Fork

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. "

" Today, we are





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



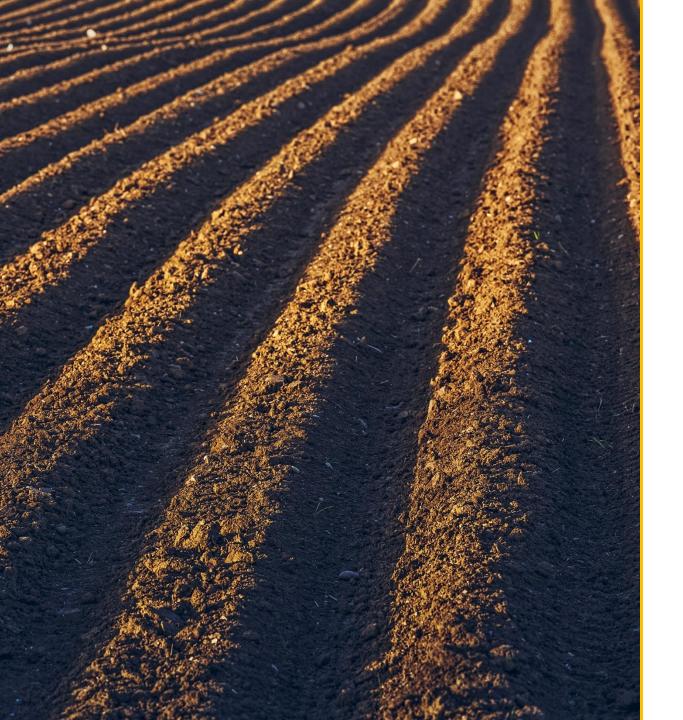




Objectives

- Solid and coherent soil monitoring framework
- Healthy soils by 2050
- Providing ecosystem services
- Environment, social and economic needs
- Climate change, biodiversity, resilience against natural disasters, food security, human health





Definitions

- Healthy soils: several soil descriptors
 with or without criteria
- One out all out principle
- Land take
- Specific terminology defined in article 3 and throughout the legal text





Monitoring & assessment

- Soil districts & competent authorities
- Soil health descriptors and criteria
- Methodologies for sample survey and analysis of descriptors
- Regular monitoring and assessment





Services & support

- Land Use/Cover Area frame Survey (LUCAS)
- Remote sensing through
 Copernicus
- Digital soil health data portal
- Voluntary soil health certification

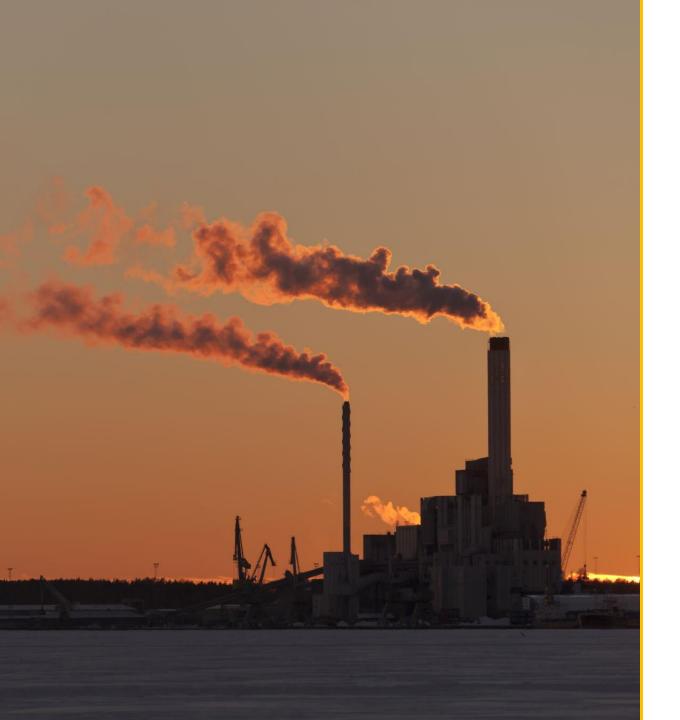




Sustainable soil management

- Basic principles for:
 - Sustainable soil management practices
 - Regeneration practices
- Synergies with other EU plans and programmes
- Public participation
- Advice, training, capacity building, awareness
- Land take mitigation principles





Contaminated sites

- Risk-based approach
- Identification and investigation of potentially contaminated sites
- Risk assessment of contaminated sites
- Risk reduction measures for sites with unacceptable risks
- Public register and public involvement





Reporting & final provisions

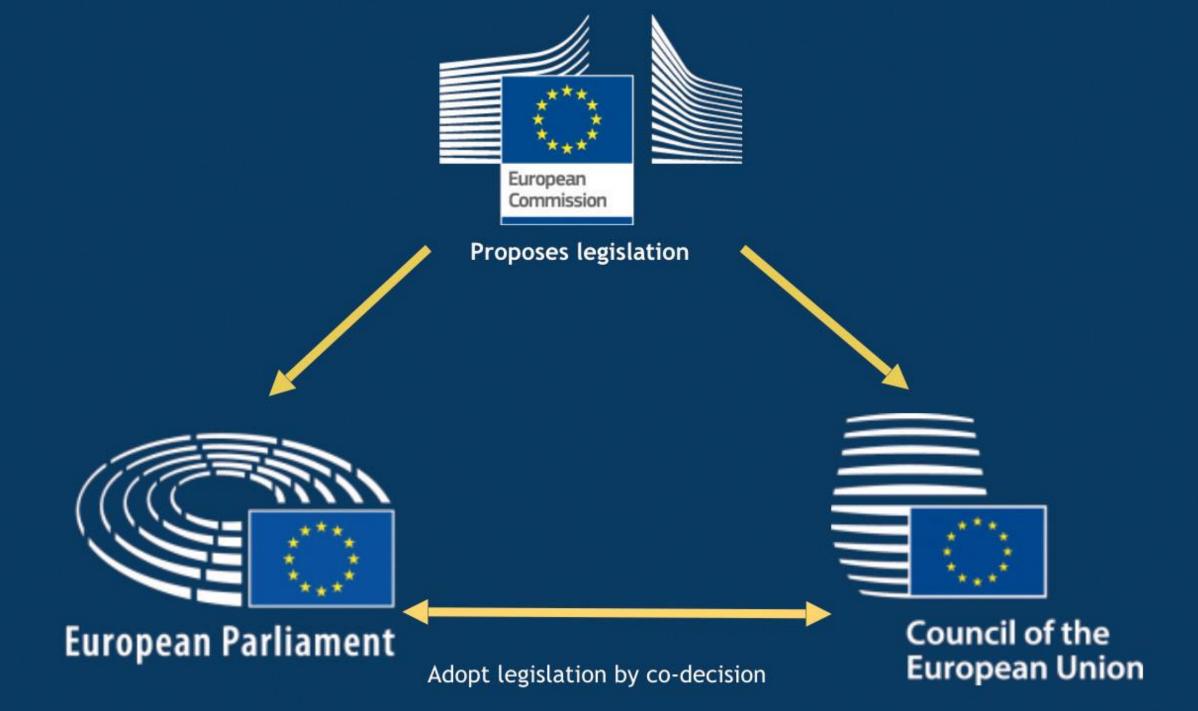
- Regular electronic reporting
- Transparency
- Evaluation and review
- Committee
- Access to justice and penalties
- Transposition



Timeline for implementation

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





Thank you! Questions?

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