



Ministeriet for Fødevarer,
Landbrug og Fiskeri
Landbrugsstyrelsen

EU's mission om sund jord

Konference om jordens sundhed
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5. marts 2024
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Outline

1. Øget fokus på jordsundhed

- I. Direktiv om jordbundsovervågning og jordbundsmodstandsdygtighed
- II. ”Bæredygtig jordforvaltning”

2. Horizon Europe og Mission-tilgangen

3. Soil Mission

- I. Formål og prioriteter
- II. Arbejdsprogram 2023-24
- III. Mission Board og Sub Group og nuværende dansk engagement
- IV. Mirror groups

4. Etablering af en mulig dansk ‘mirror group’

Øget fokus på jordsundhed

- **Soil Strategy 2030**
 - I 2021 fremlagde Kommissionen en jordbundsstrategi 2030
 - VISION OG MÅL: ”OPNÅELSE AF EN GOD SUNDHEDSTILSTAND FOR JORDBUNDEN INDEN 2050”
- **Argumentet for direktivforslaget om jordbundsovervågning**
- **MIM: etablering af monitoreringsindsats mm.**
- **LBST: ”bæredygtig jordforvaltning”**
- **Blandt myndigheder forventes direktivet bl.a. fordre:**
 - Kapacitetsopbygning og styrket vidensgrundlag om sund jord
 - Øget behov for forskningsbaseret myndighedsbetjening om sund jord
 - Styrket fokus interessevaretagelse på ift. Horizon Europe
 - Øget fokus på klimatilpasning



Bruxelles, den 5.7.2023
COM(2023) 416 final

2023/0232 (COD)

Forslag til

EUROPA-PARLAMENTETS OG RÅDETS DIREKTIV

om jordbundsovervågning og jordbundsmodstandsdygtighed (loven om jordbundsovervågning)

{SEC(2023) 416 final} - {SWD(2023) 416 final} - {SWD(2023) 417 final} -
{SWD(2023) 418 final} - {SWD(2023) 423 final}



Bæredygtig jordforvaltning

Artikel 10

Bæredygtig jordforvaltning

1. Fra (*Publikationskontoret: Indsæt venligst datoen = 4 år efter direktivets ikrafttræden*) skal medlemsstaterne som minimum træffe følgende foranstaltninger under hensyntagen til jordbundens type, anvendelse og tilstand:
 - (a) fastlæggelse af bæredygtig jordforvaltningspraksis under overholdelse af de bæredygtige jordforvaltningsprincipper, der er anført i bilag III, og som gradvis skal gennemføres på al forvaltet jord, og på grundlag af resultaterne af de jordbundsvurderinger, der foretages i overensstemmelse med artikel 9, og regenereringspraksisser, der gradvis skal gennemføres på usunde jordbunde i medlemsstaterne

Bæredygtige jordforvaltningsprincipper (annex III)

SUSTAINABLE SOIL MANAGEMENT PRINCIPLES

The following principles shall apply:

- (a) avoid leaving soil bare by establishing and maintaining vegetative soil cover, especially during environmentally sensitive periods;
- (b) minimise physical soil disturbance;
- (c) avoid inputs or release of substances into soil that may harm human health or the environment, or degrade soil health;
- (d) ensure that machinery use is adapted to the strength of the soil, and that the number and frequency of operations on soils are limited so that they do not compromise soil health;
- (e) when fertilization is applied, ensure adaptation to the needs of the plant and trees at the given location and in the given period, and to the condition of soil and prioritize circular solutions that enrich the organic content;
- (f) in case of irrigation, maximise efficiency of irrigation systems and irrigation management and ensure that when recycled wastewater is used, the water quality meets the requirements set out in Annex I of Regulation (EU) 2020/741 of the European Parliament and of the Council¹⁴ and when water from other sources is used, it does not degrade soil health;

Jorddække

Reduceret jordbearbejdning

Jordforurening

Undgå jordpakning

Optimal
næringsstofudnyttelse

Vanding

Bæredygtige jordforvaltningsprincipper (annex III) fortsat

- (g) ensure soil protection by the creation and maintenance of adequate landscape features at the landscape level;¹⁵
- (h) use site-adapted species in the cultivation of crops, plants or trees where this can prevent soil degradation or contribute to improving soil health, also taking into consideration the adaptation to climate change;
- (i) ensure optimised water levels in organic soils so that the structure and composition of such soils are not negatively affected;¹⁶
- (j) in the case of crop cultivation, ensure crop rotation and crop diversity, taking into consideration different crop families, root systems, water and nutrient needs, and integrated pest management;
- (k) adapt livestock movement and grazing time, taking into consideration animal types and stocking density, so that soil health is not compromised and the soil's capacity to provide forage is not reduced;
- (l) in case of known disproportionate loss of one or several functions that substantially reduce the soils capacity to provide ecosystem services, apply targeted measures to regenerate those soil functions.

Jordbeskyttelse

Lokale arter

Vådgør lavbundsjarde

Diverse sædskifter

Afgræsningsplanlægning

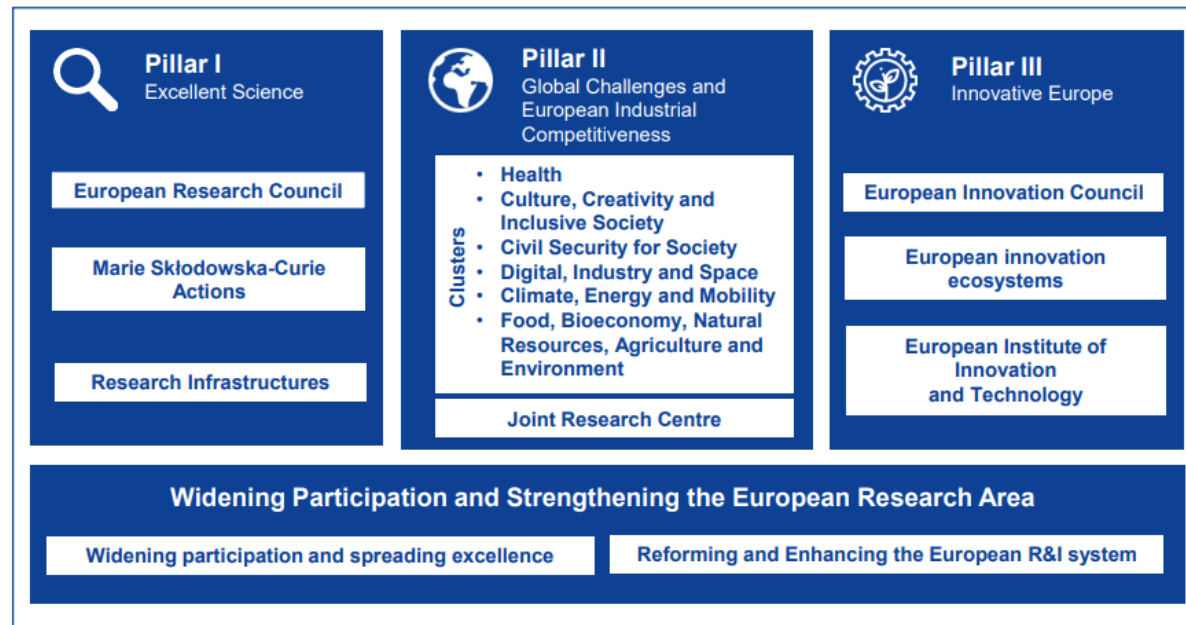
Målrettet forbedring af jord så økosystemtjenester opretholdes

Horizon Europe og Mission-tilgangen (i)

Horizon Europe er EU's rammeprogram for forskning og innovation i årene 2021-27 (budget: €95.5 milliarder)

Som noget nyt rummer Horizon Europe fem 'missioner' der udmøntes gennem søjle 2

Budgettet til missionerne er på maksimalt 10 % af søjle II samlede budget (€5 mia.)



Horizon Europe og Mission-tilgangen (ii)

- **Formål med innovationen: At styrke impact og befolkningsinddragelse**
- **En mission defineres som**
 - **en portefølje af excellence-baserede aktiviteter, der går på tværs af sektorer og videnskabelige discipliner**
 - **som inden for en bestemt tidsramme skal opnå ambitiøse og målbare resultater**
 - **Aktiviteterne bør have impact på samfundet, politikudviklingen og være relevant for et bredt udsnit af Europas befolkning**
- **5 missioner identificeret i 2021-2027**

Lessons Learned

from Horizon 2020 Interim Evaluation

-  Support breakthrough innovation
-  Create more impact through mission-orientation and citizens' involvement
-  Rationalise partnerships' landscape
-  Reinforce openness
-  Strengthen international cooperation
-  Encourage participation

Key Novelties

in Horizon Europe

-  **European Innovation Council**
-  **EU Missions**
-  **New approach to partnerships**
-  **Open science policy**
-  **Extended association possibilities**
-  **Spreading Excellence**

Five Missions Areas



Adaptation to climate change, including societal transformation



Cancer



Healthy oceans, seas, coastal & inland waters



Climate-neutral & smart cities



Soil health & food

Soil Mission: A Soil Deal for Europe

- **Missionen ses som del af en samlet pakke af indsatser: direktivet, EU Soil Strategy, EU Soil Observatory, CAP'en mv.**
- **Ambition: I 2030 skal mindst 75% af Europas jorde være sunde og i stand til at levere de essentielle produkter og services, vi har brug for.**
- **Transitionen skal via fire grundsten:**



Soil Mission: A Soil Deal for Europe

- **Årlige arbejdsprogrammer (2023-24: 126 mio. euro)**
- **Program forberedes og udmøntes af EU-Kommissionen, der rådgives af nedsat Mission Board + Sub group**
- **Mission Board består af uafhængige eksperter med alsidige profiler (sektor, køn, geografisk)**
- **Sub groups møntet på forankring af medlemsstater og består bl.a. af embedsmænd**

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Soil Mission: A Soil Deal for Europe

- **Uddannelses- og Forskningsstyrelsen (UFS) har indtil nu været den drivende kræft bag dansk deltagelse i Soil Missions**
- **UFS deltager i Soil Mission sub group**
- **AU meget aktive som ansøger/bevillingsmodtager**
- **Pt. ingen danske medlemmer af Mission Board**
- **Landbrugsstyrelsen overvejer pt. at indtræde i Soil Mission sub group**
- **LBST, UFS og MIM har indledt dialog om oprettelse af en såkaldt dansk 'mirror group' under Soil Mission**

Chairs of the Mission Boards



Mirror Groups

- **EU-kommissionen og Soil Mission Board anbefaler etablering af nationale ‘mirror groups’**
- **En mirror group bør bestå af dels myndigheder og interessenter**
- **Mirror Groups skal støtte implementering af missionen i medlemslandet**
 - **Agere som et forum for nøgleinteressenter til drøfte jordsundhed → bidrage til udvikling og koordinering af nationale aktiviteter**
 - **Skabe grundlag for identificering af danske prioriteter og styrkepositioner → styrke dansk interessevaretagelse ift. EU-kommissionen**



Soil Mission Board’ set of recommendations for the establishment of national Mirror Groups

1. Aim of this set of recommendations

For the Soil Mission Board, Mission Soil Mirror Groups are expected to contribute at the **national level** to the implementation of the Mission objectives and support the conditions for their achievement, in Member States (MS).

In the Commission Staff Working Document accompanying the Communication ‘EU Missions two years on: assessment of progress and way forward’¹, Mission Soil Mirror Groups are set to play an important role for the future set up of the Mission implementation nationally and regionally. In the Commission’s Communication on mission’s assessment² one can read: “There has also been important progress on governance at national level: several Member States established inter-ministerial taskforces and national mirror groups to better liaise with the Commission on national implementation.”

Break Out: Skal der nedsættes en dansk Mirror Group?

- **Hvad er erfaringerne fra den danske National Hub under EJP Soil?**
- **Er der interesse for at etablere en dansk mirror group?**
- **Hvordan bør en dansk mirror group sammensættes?**
- **Er det relevant at nedsætte flere undergrupper for interessenter?**
- **Hvordan bør en dansk mirror group samarbejde?**