

PFAS & Diffuse Pollution initiatives

- Diffuse pollution initiative (Christiane & Esther):
 - State of discussions in the CF WG
 - EU context for diffuse pollution and associated tools expected
 - Link with CF WG on PFAS
- PFAS initiative (Jöerg)

PFAS & Diffuse Pollution initiatives

- Diffuse pollution initiative :
 - State of discussions in the CF WG
 - Questionnaire CF 2020 + collaboration with OVAM/ARCADIS = report Feb. 2021
« *Policies on diffuse contamination in Europe* »
 - CF web meeting october 2020 :
 - ❖ need to integrate diffuse pollution issue within the new EU soil strategy
 - ❖ challenges for diffuse pollution: identification, risk assessment and remediation
 - Eurosoils August 2021 ([Eurosoil-congress.com](https://eurosoil-congress.com)) : SDG3 - Challenges of assessing and managing diffuse soil pollution in urban areas (PM10 from roadsoil, mining area, bioaccessibility)
 - CF web meeting november 2021 : discussion on new soil strategy, diffuse pollution embeded in the objectives/actions

PFAS & Diffuse Pollution initiatives

- Diffuse pollution initiative:
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Greendead

Soil Strategy

Chemical Strategy

Sustainable built
environment
Strategy

Farm to fork Strategy

Circular economy
action plan

Zero pollution action
plan

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Greendeal

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« *Soil health* » and diffuse pollution

-> by 2030 reduction of overall use and risk of chemical pesticides by 50%

-> by 2030 significant progress in remediation of contaminated sites

-> by 2050 soil pollution reduced to levels no longer considered harmful to human health and natural ecosystems (toxic-free environment)

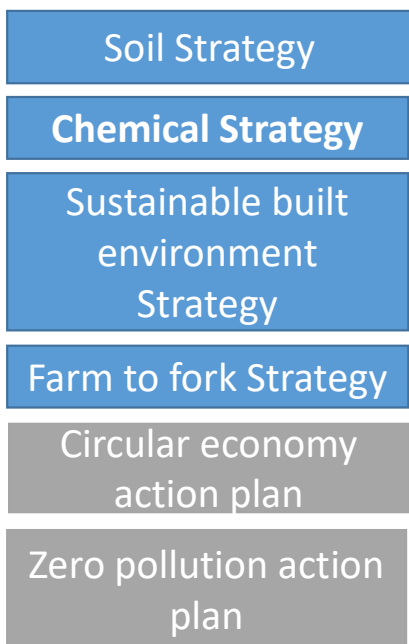
-> soil health law :

- * healthy soils by 2050 => Indicators / Monitoring / Healthy levels
- * sustainable soil use => Requirement list / Guidelines
- * identification, registration and remediation of CS => GeoDatabases
- * better coordination soil & water management => Synergies in actions
- * monitoring, assessment and reporting SH/net Land Take/CS => Role of LUCAS?
- * assess need for EU SH certificate & passport for excavated soils
- * assess need to make legally binding reduction nutrient losses by 50%

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Greendeal



« *Protect human health & environment* »

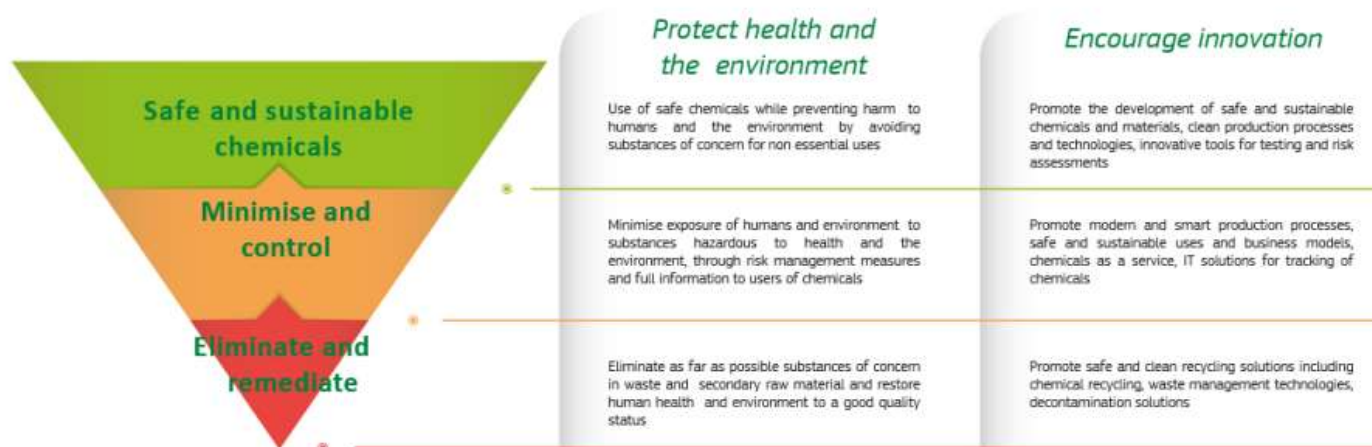


Figure: The toxic-free hierarchy – a new hierarchy in chemicals management

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« *Protect human health & environment* »



-> Innovating for safe & sustainable EU chemicals

* Safe & sustainable by design: review of IED

legislation (risk assessment & restriction of use for substances of very high concern)

* Non-toxic material cycles :

* minimize presence of substance of concern

* better information of chemical content & safe use

* revision of REACH

* develop methodologies for chemical risk assessment that take into account the whole life cycle of substances, materials and products

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« **Protect human health & environment** »



-> Stronger EU legal framework

* revision of REACH and CLP:

- towards generic approach to risk management by default (ban with limited exemptions), no more specific risk assessment (case-by-case)
- criteria for essential uses
- protection of workers (lead & asbestos)
- focus endocrine disruptors, PFAS, chemical mixtures

* chemical pollution in natural environment:

- new hazard criteria in CLP
- better information to authorities for environmental RA
- stronger regulation on chemical contaminants in food

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« *Protect human health & environment* »



-> **Simplifying & consolidating legal framework**

* one substance, one assessment

- from single substances to groups of substances
- synchronisation & coordination of legislations (Public Activities Coordination tool, experts WG MS/COM/EU Agencies, ...)

- accessible interoperable & quality data

- coherent methodologies, hazard assessment centralized under CLP, repository of human & environmental-health based limit values

* zero-tolerance approach for non-compliance

* science to policy interface (early warning/action system, framework of indicators)

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-> **reduce soil sealing**

-> **rehabilitate abandoned or contaminated brownfields**

-> **increase the safe, sustainable and circular use of excavated soils**

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-> develop an Integrated Nutrient Management Plan (ensuring more sustainable application of nutrients and stimulating markets for recovered nutrients)

-> review directives on wastewater treatment and sewage sludge

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-> production, consumption, waste management, market for secondary raw materials, sectorial actions (*plastics, food waste, critical raw materials, construction and demolition, biomass and bio-based materials*), innovation & investments, monitoring

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« *Zero pollution* » and diffuse pollution

-> by 2030 reduction of the health impacts (premature deaths) of air pollution by more than 55%

-> by 2030 reduction of nutrient losses, the use and risk of chemical pesticides, the use of the more hazardous ones, and the sale of antimicrobials for farmed animals and in aquaculture by 50%

-> by 2030 reduction of plastic litter at sea and by 30% microplastics released into the environment by 50%

-> by 2030 significant reduction of total waste generation and reduction of residual municipal waste by 50%

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Which added value for CF diffuse pollution initiative?

PFAS & Diffuse Pollution initiatives

- Diffuse pollution initiative : From EU top down issues to country-level bottom up needs...
 - Need to improve the knowledge on soil pollutions:
 - Investigations strategies?
 - Communication?
 - Large surfaces of polluted soils:
 - Management of this area according to the use?
 - Recommendations?
 - Management of excavated soils:
 - Circular economy
 - Preservation of the soil resource

- Need to exchange and to share experiences and information.

PFAS & Diffuse Pollution initiatives

- News from some countries :
 - o Switzeland (10 min) : amendment of the Environmental Protection act in CH
+ Diffuse pollution with dioxines
 - o BE/Wall (10 min) : Ongoing discussions on diffuse pollution in Wallonia
 - o BE/Flanders (10 min) : Some feedback from PFAS case in Flanders
 - o Tour de table

- Next steps?

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