



aragorn

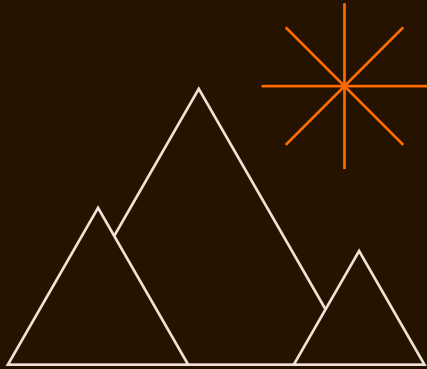


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**ACHIEVING REMEDIATION
AND GOVERNING RESTORATION
OF CONTAMINATED SOILS NOW**

Before



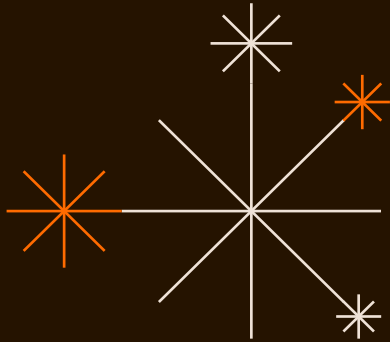
More than **60% of Europe's soils are in an unhealthy state**, often due to years of existing pollution mainly coming from industrial and mining activities, fire-training facilities and waste sites, as well as misuse of agricultural land.

Many other polluting activities remain unidentified because of the scarce knowledge of polluting elements used.

Several maps, literature and national reports show known or suspected hazardous sites, but guidance is **lacking to make the best decisions** and strategies for remediation and restoration.



In order to approach this complex issue, the questions are:

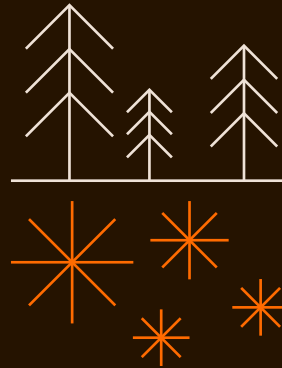


- ✱ How to **prioritise actions to combat soil contamination** across countries and diverse sites?
- ✱ How to ensure that **remediation is restorative** and not regrettable?




Now


ARAGORN is here to **guide land managers in Europe** dealing with urban, peri-urban and rural contaminated soils, and it focuses on **tackling persistent contaminants**.




ARAGORN identifies contaminated sites and guides effective **remediation and restoration strategies**, aligning with the EU Soil Strategy.

ARAGORN focuses on four main groups of contaminants, posing a constant toxic pressure on the soil, organisms and humans, through soil, dust, and air:

 **PFAS**
(Per- and polyfluoroalkyl substances)

 **OCBs**
(Organochlorine/bromine compounds)

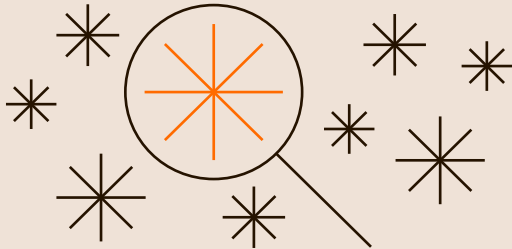
 **PETCO compounds**
(Petroleum and coals)

 **Metals**

After



ARAGORN aims to **develop frameworks with land managers** across Europe and create **user-friendly tools** to distinguish between regrettable and restorative remediation.



The collaboration will help making **informed decisions**, offering **mapping tools, restorative remediation, planning tools, and co-creative processes.**

The goal is to **restore the health of the soils and ecosystems**, while fostering **resilient land-development** strategies post-remediation.

ARAGORN will address these challenges through different actions:

- ✱ **Inventories on contaminated sites**
(including their history and remediation status)
- ✱ **Sampling plans**
- ✱ **Test and predictive methods for remediation impacts**
(including physical, chemical, biological, modelling, and chemometric methods)
- ✱ **Monitoring methods**
- ✱ **Source tracking**



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Consortium



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