The overall objective of the H2020 Phy2Climate project is to build the bridge between the phytoremediation of contaminated sites with the production of clean drop-in biofuels.

These biofuels will present no Land Use Change risks

thus the phytoremediation will decontaminate lands from a vast variety of pollutants

Make the restored lands available for agriculture

while improving the overall sustainability, legal frame, and economics of the process

Phy2Climate contributes to global initiatives

the Mission Innovation Challenge 4 and 16 UN Sustainable Development Goals

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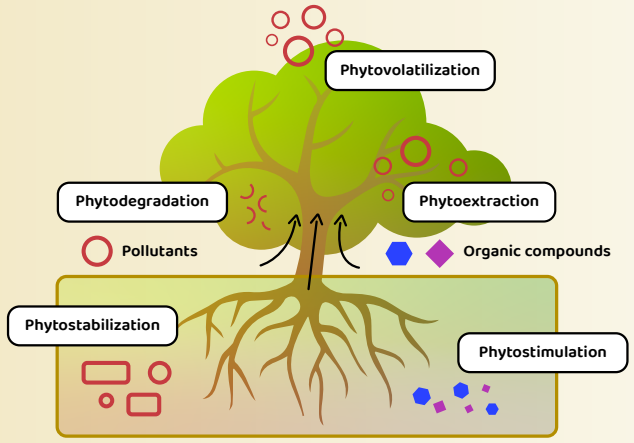
Clean biofuel production and phytoremediation solutions from contaminated lands worldwide

Phy2Climate

www.phy2climate.eu

Workplan and Methodology

- **Management & Coordination**
- **Design and implementation of phytoremediation pilots**
- **Environmental and social sustainability**
- **Regulatory & legal issues**
- **Energy crop conversion to drop-in biofuel and bio-coke**
- **Exploitation and Business Potential**
- **Communication and Dissemination**

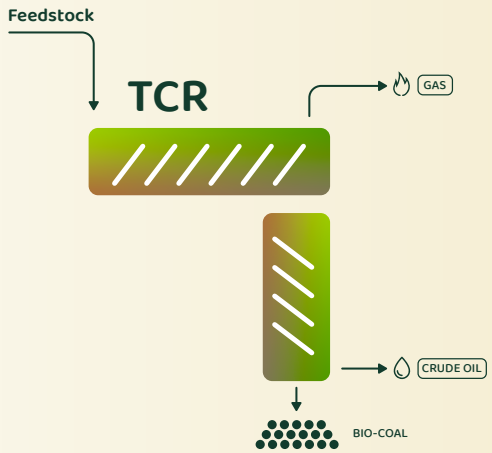


Phytoremediation

The method of phytoremediation consists of the use of plants and their associated microbes to stabilize, degrade, volatilize and extract soil pollutants.

Technology

The project is designed to bring the technological development on both phytoremediation and drop-in biofuel production to Technological Readiness Level (TRL) 5.



Products

TCR® process, which acts as enabling technology in the biorefinery, produces bio-coke and the three intermediate products: TCR-oil, TCR-gas and TCR-water.