



Marco Falconi (ISPRA)
Water & Land Expert Team
IMPEL Open Day - 29 January 2025





Relevant international network are involved in the project













Why it is needed

• This project aim to speed up the process, focusing to the remediation phase that is often the bottleneck, promoting in situ and on-site technologies

Outcomes

- Support/exchange technical experience required to make progress with the Remediation phase in Europe
- Two technologies and two reports per year. Each report (35-50 pages) has an Annex with several case studies

_	2021	INICITII CHENNICAL	OVIDATION COIL	VADOD EVEDACTION
•	2021	IN SHU CHEIVIICAL	OXIDATION - SOII	_ VAPOR EXTRACTION

	• 2022	MULTI PHASE EXTRACTION - SOIL WASHING
--	--------	---------------------------------------

• 2023-2024 THERMAL DESORPTION - PHYTOREMEDIATION

• 2024-2025 **BIOPILE - IN SITU CHEMICAL REDUCTION**

• 2025-2026 to be decided in the project team

• 2026-2027 to be decided in the project team









 Final documents on SVE and ISCO published in IMPEL website, available in many languages, MPE and SW in EN soon available the translations









Recent reports

Documents on Phytoremediation and In situ Thermal Desorption are now ready, will published in IMPEL website around end February 2025, after the approval of the IMPEL General Assembly



Preparation of next reports

We are going to develop documents on Biopiles and In Situ Chemical Reduction deadline May 2025.

VOLUNTEERS NEEDED!!!





Landfarming

Electrokinetic Extraction

Immobilization techniques

Incineration

Composting











Air Sparging

Monitored Natural Attenuation *

Permeable Reactive Barriers

Groundwater Circulation Wells

Constructed Wetlands















TABLE OF CONTENTS

Context					
Your contact details	9				
Site background	10				
Pilot-scale application in field	14				
Full-scale application	19				
Enhancements to SVE/AS	24				
Post treatment and/or Long Term Monitoring	26				
Additional information	27				
Glossary of Terms					
nt:	ntroduction Your contact details Site background Pilot-scale application in field Full-scale application Enhancements to SVE/AS Post treatment and/or Long Term Monitoring.				



Dissemination

- IMPEL documents are not mandatory/legally binding but nevertheless important references
- Final products will be disseminated by a number of national and regional authorities
- Presentation in conferences is welcomed by all collaborating networks. All authors from IMPEL, Nicole, CommonForum, EIONET will be entitled to publish it in their website





Contact information:

- For joining this project: If you work for an IMPEL member organisation and would like to join the project or receive further information, please contact the National Coordinator of your country and the Project Manager at marco.falconi@impel.eu
- For becoming a member of IMPEL: If you are from an Environmental Authority or association of authorities that is based in a member state of the EU, a candidate country or another country applying Community law and would be interested in becoming a member of IMPEL, please contact IMPEL Secretariat at info@impel.eu for more information.
- ✓ For all other interested parties: please check out our new website for further information! <u>www.impel.eu</u>

