# Sustainable Soil Upgrading by Developing Cost-effective, Biogeochemical Remediation Approaches

## Results

Project Information

**UPSOIL**

Grant agreement ID: 226956

Project website

Project closed

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1 October 2009

**End date**
30 September 2012

**Funded under**
Specific Programme "Cooperation": Environment (including Climate Change)

**Total cost**
€ 4 509 946,65

**EU contribution**
€ 3 394 869,25

**Coordinated by**
FUNDACION TECNALIA RESEARCH & INNOVATION
Spain

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Links to deliverables and publications from FP7 projects, as well as links to some specific result types such as dataset and software, are dynamically retrieved from OpenAIRE.

## Publications

### Publications via OpenAIRE (8)

Microbial Community Response of an Organohalide Respiring Enrichment Culture to Permanganate Oxidation

**Author(s):** Sutton, N.B.; Atashgahi, S.; Saccenti, E.; Grotenhuis, J.T.C.; Smidt, H.; Rijnaarts, H.H.M.

**Published in:** Public Library of Science (PLoS)PLoS ONE, Vol 10, Iss 8, p e0134615 (2015) 2015

**Permanent ID:** Digital Object Identifier:10.1371/journal.pone.0134615; PubMed ID:26244346; PubMed Central ID:PMC4526698; Microsoft Academic Graph Identifier:1643721035

Impact of organic carbon and nutrients mobilized during chemical oxidation on subsequent bioremediation of a diesel-contaminated soil

**Author(s):** Sutton, N.B.; Grotenhuis, J.T.C.; Rijnaarts, H.H.M.

**Published in:** Elsevier BVCrossref 2014

**Permanent ID:** Digital Object Identifier:10.1016/j.chemosphere.2013.11.005; PubMed ID:24321334; Microsoft Academic Graph Identifier:2039093829

A PHREEQC-Based Tool for Planning and Control of In Situ Chemical Oxidation Treatment

**Author(s):** Katarzyna Samborska-Goik; Rafał Ulańczyk; Janusz Krupanek; Marta Pogrzeba

**Published in:** MDPI AGApplied Sciences, Vol 14, Iss 9, p 3600 (2024) 2024
**Permanent ID:** Digital Object Identifier:10.3390/app14093600

Recovery of microbial diversity and activity during bioremediation following chemical oxidation of diesel contaminated soils

**Author(s):** Sutton, N.B.; Langenhoff, A.A.M.; Hidalgo Lasso, D.; van der Zaan, B.M.; van Gaans, P.; Maphosa, F.; Smidt, H.; Grotenhuis, J.T.C.; Rijnaarts, H.H.M.
**Published in:** Springer Science and Business Media LLCCrossref 2013
**Permanent ID:** Digital Object Identifier:10.1007/s00253-013-5256-4; PubMed ID:24092007; Microsoft Academic Graph Identifier:2085464937

Biodegradation of aged diesel in diverse soil matrixes: impact of environmental conditions and bioavailability on microbial remediation capacity

**Author(s):** Sutton, N.B.; van Gaans, P.; Langenhoff, A.A.M.; Maphosa, F.; Smidt, H.; Grotenhuis, J.T.C.; Rijnaarts, H.H.M.
**Published in:** Springer Science and Business Media LLCCrossref 2012
**Permanent ID:** Digital Object Identifier:10.1007/s10532-012-9605-2; PubMed ID:23242513; Microsoft Academic Graph Identifier:2123817694

MEMBRANE INTERFACE PROBE (MIP) – INNOVATIVE APPROACH TO INVESTIGATION AND REMEDIATION OF CONTAMINATED SITES

**Author(s):** Vladislav Knytl; Jan Kukacka; Robert Raschman; Ondrej Lhotsky
**Published in:** National Research and Development Institute for Industrial EcologyCrossref 2016
**Permanent ID:** Digital Object Identifier:10.21698/simi.2016.0023; Microsoft Academic Graph Identifier:2538239180

Efforts to improve coupled in situ chemical oxidation with bioremediation: a review of optimization strategies

**Author(s):** Sutton, N.B.; Grotenhuis, J.T.C.; Langenhoff, A.A.M.; Rijnaarts, H.H.M.
**Published in:** Springer Science and Business Media LLCCrossref 2010
**Permanent ID:** Digital Object Identifier:10.1007/s11368-010-0272-9; Microsoft Academic Graph Identifier:2118077664

Contrasting dual (C, Cl) isotope fractionation offers potential to distinguish reductive chloroethene transformation from breakdown by permanganate

**Author(s):** Doğan-Subaşı, E.; Elsner, M.; Qiu, S.; Cretnik, S.; Atashgahi, S.; Shouakar-Stash, O.; Boon, N.; Dejonghe, W.; Bastiaens, L.L.
**Published in:** Elsevier BVSci. Total Environ. 596-597, 169-177 (2017) 2017

**Permanent ID:** Digital Object Identifier:10.1016/j.scitotenv.2017.03.292; PubMed ID:28431360; Microsoft Academic Graph Identifier:2607132602

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