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Nano-iron for remediation of chlorinated solvent source zones

Nano-iron is superior to other techniques for remediation of chlorinated solvents on several parameters:

- Affinity for and reactivity in DNAPL
- No/few chlorinated intermediates
- Enhanced reactivity, but durable in DNAPL
- Mobility – injection versus environmental concern
- Treatment train – next step biological
- Affinity for oil - injectable oil emulsions

Project type

Topic is suitable for MSc and BSc projects

Pre-requisite

12330 Contaminated sites, supplementary 12331 Field investigations

Group size

1-2 students

Department of supervisors

Main supervisor: DTU Environment
Co-supervisor: DTU Nanotech

Contact person

Researcher Annika Fjordbøge, DTU Environment (asfj@env.dtu.dk) or
Associate professor Mette M. Broholm, DTU Environment (mmbr@env.dtu.dk)