



**NICOLE**

Network for Industrially Co-ordinated Sustainable Land Management in Europe



## NICOLE spring workshop 2018 Frankfurt - Call for abstracts **Nature Based Remediation**

20 - 22 June 2018, at Infracore Höchst,  
Höchst Industry Park, Frankfurt, Germany.



## Introduction

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For a long time industrial processes have impacted the quality of soil and water across the globe. Beside the positive remedial effects, efforts to decontaminate or remediate these sites are often both costly and time-consuming. Natural processes in the (sub)soil and water have turned out to play a key role in a number of more cost-effective and sustainable alternatives to traditional intrusive remediation technologies. Frequently it is the soil-water-sediment system itself that can achieve remedial goals. Natural resources and processes offer significant potential to contain and degrade soil and (ground)water pollutants.

Increasingly, remediation technologies are being inspired and supported by working with 'nature' instead of fighting against it. We recognise nature's value and incorporate nature based remediation strategies to create an economically, socially and environmentally sustainable process.

The upcoming workshop for the Network for Industrially Co-ordinated Sustainable Land Management in Europe (NICOLE) will focus on 'Sustainable Nature Based Remediation' opportunities. NICOLE has the pleasure of inviting international stakeholders and experts to take part in the 2018 Frankfurt Workshop and submit their Workshop papers. The main themes of the Workshop are (but not limited to):

- 1) Characterisation
- 2) Remediation
- 3) Industry and Community Successes

See detailed break-down on the next page >>

## Chair and members of the Organizing Committee

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**Horst Herzog (Chairman)** - Infraseriv Höchst, DE  
**Laurent Bakker (Vice-Chairman)** - Tauw, NL  
**Paul van Riet** - DOW, NL  
**Lida Schelwald** - ISG NICOLE, NL  
**Jean Pierre Davit** - Golder Associates, IT  
**Niklas Torneman** - SWECO, SE  
**Wouter Gevaerts** - Arcadis, BE  
**Jim Wragg** - Geosyntec, UK  
**Gregor Möhring** - Ramboll, DE  
**Yvonne Sutter** - Ramboll, DE  
**Dimitri Vlassopoulos** - Anchor QEA, US  
**Sytze Keuning** - Bioclear Earth, NL  
**Thomas Hayes** - Venator, UK  
**Hans-Peter Koschitzky** - VEGAS University Stuttgart, DE



## 1) Characterisation

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- Understanding natural system functions and dynamics and the potential of the natural soil-water-sediment system (presented in site conceptual models)
- Natural Source Depletion and new (monitoring) technologies like eDNA, phytoscreening, etc.

## 2) Remediation

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- Blue- and green infrastructures (wetlands, phytoremediation)
- Nature based water & air treatment (on-site)
- Smart sediments solutions
- Natural recovery solutions
- The interaction between traditional remediation technologies & 'nature based' remediation technologies (treatment train)
- Driving Natural Systems to recovery
- Recent advances in enhanced bioremediation

## 3) Industry and Community Successes

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- The role of nature based remediation as part of regional restoration projects
- Case studies



## Submission Guidelines

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Authors are required to submit a one-page abstract of the paper they would like to present (presentation or poster pitch presentation), together with an outline of the structure of the paper and short biography.

Abstracts which include case studies are encouraged, particularly those highlighting problems encountered, lessons learned and identified solutions, and should address some of the following questions:

- Socio-economic setting of the site?
- Which stakeholders (in company and external) have been involved?
- How has the project engaged with internal and external stakeholders and provided value the wider community?
- From what (stakeholder-) perspective will you present?
- What were the most difficult issues to overcome?
- How has the issue been resolved in a highly sustainable, creative or innovative way?
- Has a sustainability assessment been used to select the technique? How does the selected nature-based solution compare to an equivalent traditional remediation technique, in terms of costs, timeframe and impact?
- What issue(s) would you like to elaborate on in your presentation?
- How has the case study embraced sustainability concepts such as the circular economy, the triple-P (economical, social and environmental) bottom line and development of natural capital?
- What role could NICOLE play in its new focus on sustainable land management and land stewardship to learn from the case study and promote good practice?
- What is still needed in terms of knowledge development and transfer?

Abstracts should be sent by **20 February 2018** to the NICOLE Secretariat, email: [nan.su@nicole.org](mailto:nan.su@nicole.org)

Abstracts will be considered by the Organising Committee. The authors of abstracts will be notified of acceptance of their submissions for either a presentation or a poster by **25 March 2018**. Speakers' final abstracts and presentations must be submitted by **10 June 2018**.

The workshop will take place at Infracerv Höchst in the Höchst Industry Park in Frankfurt.