



NICOLE

Network for Industrially Co-ordinated Sustainable Land Management in Europe



ICCL
international
committee on
contaminated
land

- in cooperation with -



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**DANISH
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Common Forum

**INNOVATION NETWORK FOR
ENVIRONMENTAL TECHNOLOGY**



Call for abstracts for the joint ICCL – NICOLE conference Groundwater Management on Contaminated Sites

5th to 6th October 2017, National Museum, Copenhagen, Denmark.

The conference is following the back-to-back meetings of the ICCL and NICOLE on 3rd to 4th of October in Copenhagen.



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Content

Groundwater is a critical natural resource that provides drinking water and industrial process water supplies throughout the industrialized world. It is also a primary vehicle for spreading chemical pollution in the subsurface both locally and regionally.

This conference will bring together regulators, industry, and research professionals representing countries all over the world to share the most recent knowledge and best practices in regulation, management, investigation, and remediation of contaminated sites.

The organizing committee invites abstracts germane to the topic areas described below:

1) Groundwater Management on Large Scale & Multisource Sites

- How do we scale up from local site management to regional or catchment level?
- How do we deal with multiple sites impacting the same resource?
- Case studies dealing with multiple sources in mining sites, farming, urban and industrial areas.

2) Regulatory Framework

Approaches to groundwater management – cleanup to drinking water quality or risk-management approaches based on current aquifer use?

(e.g. Denmark is more strict because it uses groundwater as source of drinking water)

- Comparison of experiences with different regulation frameworks from different EU Member States or from other continents.
- How do we assess the contribution of groundwater pollution to surface water?



3) Innovations in Investigation, Remediation and Source Removal Technologies

Managing expectations of remediation – costs & benefit consideration.

(After removal of 90% of contaminant mass, is it worth it or technically feasible to remove the last 10%? Or should the focus for the final 10% be on changing expectations?)

- Innovations in technology for investigation & remediation (such as alternatives to drilling and sampling).
- Environmental forensics – age dating and chemical finger printing to identify or distinguish contaminant sources.

4) Valuation of Groundwater Resources and the Return of Investment in Their Restoration

- What incentives, other than just compliance, do private entities have to invest in groundwater quality improvement? Beneficial uses of groundwater?
- Inviting case studies on cost benefit assessment of groundwater remediation.

(The trigger of this session is: the Brazil government tries to calculate the loss of value if groundwater is polluted. The idea is that not only the polluter should carry out cleaning action, but also that groundwater should be clean to use. If groundwater is polluted, the public cannot use it anymore, i.e. loss of value. It is part of the regulatory framework.

But are there other instruments to encourage people to improve groundwater quality? It is also interesting for the regulator to be inspired– the carrot & stick rule. What are the alternatives to strict regulation?

Uncertainty in valuing groundwater could cause uncertainty for corporate accounting in transactions during M&A process.

The purpose is to hear incentives – innovative concepts for improving groundwater quality, proposed by private parties but still allowed by regulators.)

Submission Guidelines

Authors are required to submit a one-page abstract of their paper or poster together with a short biography.

Abstracts should address some of the following issues or questions:

- What issue has been solved in a highly creative or innovative way?
- What significant unsolved issues can we expect to be coming up?
- What are the trends in regulation and risk assessment?

Abstracts should be sent by 16th June 2017 to the NICOLE secretariat by email: nan.su@nicole.org

Abstracts will be considered by the Organizing Committee. The authors of abstracts will be notified of acceptance for either a presentation or a poster by 7th July 2017. The final abstracts must be submitted by the 8th September 2017.

Posters will be placed in the lunch and coffee break area.

Chair and members of the Organizing Committee

Lucia Buvé (Chairman) - Umicore/ NICOLE, BE
Dominique Darmendrail - BRGM/ ICCL, FR
Neal D. Durant - Geosyntec Consultants/ NICOLE, US
Arthur de Groof - Sweco/ NICOLE, NL
Carlos Pachon - USEPA/ ICCL, US
Dietmar Müller-Grabherr - Austria EA/ ICCL, AT
Rick Parkman - AECOM/ NICOLE, UK
Christian Andersen - Danish Regions/ ICCL, DK

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