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Supporting application of remediation technology

**Proposal for a Joint Position Paper from
COMMON FORUM, NICOLE and EURODEMO+**

Common Forum meeting, Dublin, 27 March 2009

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The Joint Position Paper Proposal

- Title: *Research and Demonstration support for soil and groundwater remediation technologies is vital for enhancing European markets and for strengthening European remediation technologies on the global market*
- From: COMMON FORUM, NICOLE, EURODEMO+
- To: EC: DG Research, DG Environment, else?
- Why: ETAP results considered ineffective in the remediation sector
- When: summer/autumn 2009



Requested action

The EC shall strengthen ETAP and initiate

- an **action plan** to stimulate the application of innovative remediation techniques
- a **demonstration programme**, including stakeholder involvement and training, for application of innovative techniques in Europe
- the compilation of a **joint 'memory' database**, to ensure accessibility of relevant experience to all stakeholders
- the establishment of **supporting education and training measures**

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History of the Joint Position Paper Partner's view

- EURODEMO (01/05-12/07): as FP7 CA part of EC "ETV Networks of testing Centres"
 - *Position: for remediation (especially in-situ) demonstrations may be more suitable than verification*
- NICOLE (since 1996): network for stimulation, dissemination and exchange of knowledge about industrially contaminated land
 - *Position: PM*
- 06/08: NICOLE-EURODEMO+ triple SpS at ConSoil2008, Milan
 - *"Drivers for industrial research on contaminated land", and "Technology development and demonstration"*
 - *In cooperation with COMMON FORUM*

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SpS Result: Joint Position

NICOLE, COMMON FORUM, EURODEMO+

Drivers for paper

Soil Framework Directive, EU Thematic Strategy for Soil Protection

- decentralized policies
- reduce sealing and use (contaminated) land more efficiently

Trend: remediation as part of socio-economic solutions

What is needed

→ Legislation: re-use scenarios for excavated soil?

→ Sustainability: tools to evaluate/assess resource consumption, emissions, resource reuse, societal impacts

→ Information: access to *experiences* from

→ large development projects in EU

→ international documentation of practical national experiences



Proposed Measures (1)

Formulation of a remediation-specific action plan

- *generic suggestions for possible national action plans*
- *including possible economic and organisational stimulating measures*
- *to be delivered from the EC to its member states to encourage them to reconsider, update and specify their national ETAP roadmaps in the field of remediation*

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Proposed Measures (2)

Funding a demonstration programme

- *focus on technologies that answer to upcoming CCS, energy and soil re-use issues*
- *also for projects where sustainable technologies or application of technologies in a sustainable manner are being demonstrated*



Proposed Measures (3)

Development of a joint memory database

- *factual information on, and experience with, new soil and groundwater characterization and remediation technologies*
- *national documentation of practical experiences can fit in easily*
- *'value free' and informal*
- *effective measures for removing data protection issues and for enhancing data credibility*
- *to remain open for future innovations*



Proposed Measures (4)

Establishment of education and training measures

- *for active dissemination of the knowledge in the memory database*
- *general education and training activities related to innovative technologies, technology transfer, decision support tools and sustainability issues*
- *general initiatives with technical-scientific content as a European issue*
- *national specifications like regulatory aspects to be covered in national initiatives*



Expected Effect of Proposed Measures

Proposed Measures support

- Effectiveness of *ETAP measures*
- *Soil Framework Directive, EU Thematic Strategy for Soil Protection*
 - decentralized policies (trend: remediation as part of socio-economic solutions)
 - reduce sealing and use (contaminated) land more efficiently

They respond to

- CCS, climate change, low energy technology demands
- Sustainability demands
- Information demands



Open issues

Agreement re

- Position? Arguments? Line of argumentation?
- Conciseness? Readability?

Questions

- Weaknesses and improvements?
- Message clear at beginning and end?
- Addressees other than EC?
- Appropriate contacts in EC (and in other addressees)?

Please decide

- *Official engagement* of COMMON FORUM in this paper?
- *Deadline* for comments?

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