

International TANIA Symposium - Novel Environmental Remediation Techniques and Policy Instruments

On 19 November 2019 at 8.45–17.00

Venue: Congress and Concert Center Sibelius Hall, Ankkurikatu 7, 15140 Lahti, Finland

PROGRAM:

8.45-9.15	Registration
9.15-9.25	Welcome address (Martin Romantschuk, University of Helsinki and Saara Vauramo, Lahti City)
9.25-9.40	Presentation of TANIA project (Lorenzo Sabatini, ASEV)
9.40-11.45	Session I: Novel remediation techniques Moderator: Environment Technology Consultant Sonja Suni, Golder Associates
	9.40-10.00 Nanoremediation (Tamás László, Golder Associates)
	10.00-10.20 Trap and treat & bioaugmentation (Reija Kalajo, Defence Estates Finland)
	10.20-10.40 Biostimulation (Niina Lallukka, Nordic Envicon)
	10.40-11.00 Mine tailings amendment technology (Aura Nousiainen, Pöyry)
	11.00-11.20 Carbon amendment technology (Jarkko Akkanen, University of Eastern Finland)
	11.20-11.45 Panel discussion
11.45-12.45	Lunch
12.45-14.15	Session II: Funding instruments supporting the use of new techniques Moderator: Regional Development Manager Marko Mälly, Regional Council of Häme
	12.45-13.10 Seventh Framework Programme project NANOREM (Petr Kvapil, Photon Water)
	13.10-13.30 Interreg Central Baltic project INSURE (Harri Talvenmäki, University of Helsinki)
	13.30-13.50 ERDF project NANORAUTA (Vili Saartama, University of Helsinki)
	13.50-14.15 Finnish Contaminated Land Demonstration Program (Mika Heinonen, PIRELY)
14.15-14.45	Coffee break and TANIA poster session
14.45-16.45	Session III: Political steering instruments in the EU countries Moderator: Senior Advisor Jarno Laitinen, Ramboll
	14.45-15.15 Keynote: Political steering of contaminated areas in the EU (Dietmar Müller-Grabherr, Common Forum, ICCL and Environmental Agency Austria)
	15.15-15.40 Role of EEA & Dutch perspective (Frank Swartjes, RIVM, EEA)
	15.40-16.00 Flanders' perspective (Johan Ceenaeme, OVAM)
	16.00-16.20 Finnish perspective (Jussi Reinikainen, Finnish Environment Institute)
	16.20-16.45 Panel discussion
16.45-16.55	Open discussion
16.55-17.00	Summary of the seminar

Novel remediation techniques

The first session is technically oriented, and the focus is on sustainable remediation alternatives and their applications in the field. The case presentations share the success stories where the *in situ* method has proven to be a better choice than the traditional method. In the panel discussion, experts debate on the pros and cons of the techniques, applications, costs, policy challenges and sustainability of each introduced method.

Funding instruments supporting the use of new techniques

The second session links the scientific content to the policies that fund innovation, research, and remediation activities. The presentations give examples of how the funding instruments support the use of the novel remediation techniques. Three of the presentations relate to the EU-funded research projects of remediation or risk management of the contaminated sites. The fourth presentation showcases The Finnish Contaminated Land Demonstration Program, which is a national state-funded project, implemented as one of the Finnish government's key projects.

Political steering instruments in the EU countries

The third session deals with the politics related to the management of the contaminated areas. The keynote speaker gives insights of the political steering of the contaminated areas in the EU. The topic is further elaborated by policy experts explaining how the regulatory environment and the decision making are implemented in the Netherlands, Belgium (in Flanders), and Finland. The session is finished with a panel discussion addressing the major bottlenecks concerning the current legislation and by comparing the strengths and weaknesses of the legislation in the above-mentioned countries.

Share, learn and collaborate

An open discussion concludes the symposium by discussing the desirable future perspective of the participants on the legal-administrative approaches of the remediation. In the core of the symposium is to present, learn and share experiences and therefore we encourage the participants to take actively part in the panel discussions and the open discussion.

The event is organized by the Interreg Europe -project TANIA in cooperation with the University of Helsinki and the Regional Council of Päijät-Häme. More information: Mari Dahl (mari.dahl@helsinki.fi) or Johanna Snell (johanna.snell@paijat-hame.fi).