

NORDROCS 2024

9th Joint Nordic Meeting on Remediation of Contaminated Sites

Extended time -
Call for Abstracts

Due

November 27th, 2023



NORDROCS 2024

-Crossing borders



Photo from Anders Tukler

NORDROCS 2024 is arranged by:



ATV JORD OG GRUNDVAND



NORDROCS 2024

9th Joint Nordic Meeting on Remediation of Contaminated Sites

The Nordic countries invite you to NORDROCS 2024, the 9th joint Nordic Meeting on Remediation of Contaminated Sites in Uppsala, Sweden on September 9th – 12th, 2024

After eight successful NORDROCS conferences we are looking forward to welcoming you in Sweden again.

OBJECTIVE

NORDROCS is a joint conference arranged by the Nordic networks for contaminated soil, Renare Mark, MUTKU, ATV Jord og Grundvand and Miljøringen. The objective of the NORDROCS conferences is to address issues on, among others, acceptance criteria and sustainable management of contaminated land and sediments in the context of Nordic conditions. The meeting intends to provide a forum for the exchange of information gathered through research and project experience.

Target groups include scientists, regulators, consultants, contractors, the industrial sector and other professionals working with contaminated sites and sediments in Nordic countries, countries in Northern Europe and around the Baltic Sea.

ABSTRACT AND PAPER SUBMISSION

We welcome abstracts in English on conference topics by November 15th, 2023. Abstracts will be assessed in a Review Committee. More information on submission of abstracts can be found on the conference web page: www.nordrocs.org.

Oral and poster presentations will be selected based on the Review Committee's recommendations.



CONFERENCE TOPICS

A: SOIL, ROCK AND GROUNDWATER

1. New methods for site investigation
2. Risk assessment
3. Acceptance criteria
4. Remediation
5. Sustainability
6. Mega sites
7. Other topics

B: SEDIMENT AND SURFACE WATER

1. New methods for site investigation
2. Risk assessment
3. Acceptance criteria
4. Remediation
5. Sustainability
6. Mega sites
7. Other topics

C: INDOOR AIR

1. New methods for site investigation
2. Risk assessment
3. Acceptance criteria
4. Remediation
5. Sustainability
6. Mega sites
7. Other topics

D: MANAGEMENT, ADMINISTRATION AND POLICY

1. Soil health law
2. Sustainable management
3. Choosing the right remediation technique
4. Prioritization – investigations
5. Prioritization - remediation
6. Digital tools and solutions for visualization
7. Communication and stakeholder involvement
8. Organization and procurement
9. Other topics

E: SOIL AND CONCRETE AS A RESOURCE

1. Management of excavated soil
2. Landfills
3. Reuse
4. Circular economy
5. Land stewardship
6. Other topics

F: CONTAMINANTS OF EMERGING CONCERN

1. What's ahead of us?
2. Other topics

G: MINING

1. Secure deposition of mine waste (on land or under water)
2. Reclamation/restoration of abandoned mines
3. Site investigation and monitoring
4. New mining directive
5. Other topics

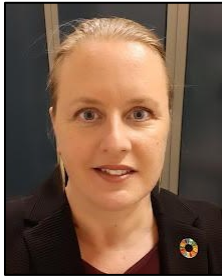
SHORT COURSE

On September 9th a short course/workshop can be arranged in connection with the conference. Suggestions for themes or topics are most welcome, from which tentatively 2 – 4 suitable suggestions will be chosen. The organizing committee welcomes companies to suggest short courses which can be facilitated through the conference registration. The NORDROCS 2024 conference will not cover costs spent on preparations for the short courses.

ABSTRACT SUBMISSION FOR ORAL AND POSTER PRESENTATION

Oral presentations will be 20 minutes, including 3 minutes for questions. Please visit the website for submission form. When submitting your abstract, please copy into the template provided. Scientific posters will be on display during all conference days. Time for discussions between poster presenters and the audience will be provided during a poster session. There will be a "Best Poster Award" for the 3 best posters at the conference.

KEYNOTE SPEAKERS



Opening session

Sofie Hermansson, legal expert SGI, Sweden

Sofie Hermansson is a legal expert at the Swedish Geotechnical Institute since 2006. She is deeply involved in the implementation of the Environmental Code and relating EU-legislation. Her focus is on helping supervisory authorities achieve a sustainable future. Specialising in the liability regarding contaminated sites, she has written several publications and guidance on that topic for example, 'An introductory guidance for the Swedish implementation of the Environmental Liability Directive'. She has also written two publications on the behalf of the Swedish Environmental Protection Agency. Lately her work has been focused on the legalities of the sustainable remediation of contaminated sites.



Soil

Erla Hafsteinsdottir –Environmental Geochemist Ph.D. Verkis Iceland

Erla has over 10 years' experience in the field of environmental research and management of contaminated land (soil and water). Her PhD-research at Macquarie University, Australia, focused on investigating the efficiency of metal phosphate fixation in soil and water that undergoes successive freeze-thaw cycling. The work included fieldwork in both Antarctica and the Arctic, as well as laboratory experiments, culminating in the PhD-thesis and the publication of five papers in peer-reviewed scientific journals. Erla has worked as an environmental consultant and contaminated land expert, since graduating from Macquarie University, at three international consulting firms in Australia (URS, AECOM and Coffey) from 2012 to 2019. Joined Verkis in Iceland at the end of 2019 as a project manager and environmental and geochemical specialist, focusing on contaminated land. Project focus is on research and evaluation of the geochemistry of contaminants, monitoring and remediation of contaminated soil and water, technical advice, analysis of data and report writing.



Mega sites/Risk in soil, rock and groundwater “Risk Evaluation of Mega Site”s Poul Løgstrup Bjerg, Technical University of Denmark, DTU Sustain

Poul L. Bjergs research field is risk assessment and remediation technologies for contaminated soil, groundwater and surface water. This involves more recently use of life cycle assessment tools and focus on holistic management of contaminated sites and water resources. Leader or participant in several research projects under different programmes (FP6 and FP7, Innovation Fund Denmark, The Danish Agency for Science Technology and Innovation, Strategic Environmental Research Programme 1996/Pesticides, Danish Research Council /Groundwater Research Centre/Technical University of Denmark). Significant experience with collaboration projects with leading consulting companies (GeoSyntec, COWIWSP, NIRAS, Rambøll) and administrative bodies (Danish EPA, regions/former counties). More than 135 ISI publications, several with national and international co-authors, more than 8000 citations. Supervisor/co-supervisor for 25 completed PhD-projects and more than 100 master thesis students.



Sediment and surface water session

Jenni Haapaniemi, M.Sc., Head of Department at Sitowise, Finland

Jenni Haapaniemi has 17 years of experience in environmental consulting. Her fields of expertise include risk assessments for contaminated soil, sediment and surface water. She has conducted/been responsible for more than 70 environmental risk assessment projects. She works as a project manager and an environmental specialist and also leads a 40-person department that focuses on environmental surveys and risk assessments.



Management, Administration and Policy

Erik J. Joner, PhD., Head of Department/Head of research, Nibio

Erik Joner is soil microbiologist, with contamination and plant uptake as his speciality. He has worked with agricultur, urban soils and contaminated soil, focusing on processes and remediation. In the latter years, his primary interest has evolved around soil health and carbon sequestration in soil, particularly regarding recycled waste streams and how these can be used to be beneficial for soils and plants. Recycled waste streams encompasses plant residue, manure, composts, sludges, biochars and more. Recently, Erik has also worked with microplastics and antimicrobial resistance. He has much knowledge about EUs Soil Mission and the proposal for a Directive on Soil Monitoring and Resilience. The latter aims to accomplish healthy soils in EU by 2050, in accordance to EUs ambition in EU Zero Pollution.



PFAS investigation and remediation in soil and groundwater

Dr. Charles Newell, Principal Engineer with GSI Environmental Inc.

Dr. Charles Newell has more than 35 years of experience as an environmental consultant. He is a member of the American Academy of Environmental Engineers, a NGWA Certified Groundwater Professional, and an Adjunct Professor at Rice University. His professional expertise includes site characterization, groundwater modeling, natural attenuation, LNAPL/DNAPL problems, groundwater and soil remediation, software development and tech transfer, and PFAS issues. He has served on several expert panels that addressed complex environmental issues.

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REVIEW COMMITTEE

Mette Christophersen, Head of Dept., Ph.D., Ramboll, Denmark

Annika Sidelmann Fjordbøge, Senior Researcher, Ph.D., DTU Sustain, Technical University of Denmark

Aura Nousiainen, Ph.D., Syke, Finland

Katariina Lahti-Leikas, Doctoral Researcher, University of Helsinki, Finland

Salla Venäläinen, Soilventure Oy, Finland

Gøril Aasen Slinde, Senior Adviser, NGI, Norway

Randi Warland Kortegaard, Managing Director, Ragn Sells AS, Norway

Patrick van Hees, Associate Professor (Örebro University)/Eurofins, Sweden

Pernilla Ljunggren, Environmental Consultant, Liljemark Consulting, Sweden

ORGANIZING COMMITTEE

Nätverket Renare Mark, Sweden : Ulrika Larson, (Empirikon)

Miljøringen, Norway: Randi Warland Kortegaard, (Ragnsells)

ATV Soil and Groundwater, Denmark: Arne Rokkjær, (Capital Region of Denmark)

MUTKU, Finland: Aura Nousiainen, (Syke), Finland

ASSISTING ORGANIZING COMMITTEE

Nätverket Renare Mark, Sweden: Peter Harms-Ringdahl (EnviFix), Carolina Ersson (SGI),
Therese Steinholtz, (Empirikon)

Miljøringen, Norway: Gøril Aasen Slinde (NGI),

MUTKU, Finland : Nina Lehtosalo (Ministerial adviser)

AVT Soil and Groundwater, Denmark: Lisbeth Verner, (Head of Secretariat, ATV Soil and
Groundwater), Mette M. Broholm, (Associate Prof., DTU Environment)

Iceland: Kristin Kröyer (Umhverfisstofnun)



Photo: Ulrica Edström

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EXHIBITION

For companies interested in presenting their activities at NORDROCS 2024 an exhibition area is reserved. The price for a stand in the exhibition area is SEK 7 700 (~ € 681) plus participation fee for (minimum) one person. This area is also used for coffee breaks etc. and provides the exhibitors with an excellent opportunity to present their activities, products and/or other news to the delegates. It is also possible to sign up for a Sponsorship package deal for SEK 24 000 (~ € 2 124), which includes sponsorship, exhibition stand and participation fee for one person. All prices are excl. VAT.

SOCIAL PROGRAM

An informal get together in the evening on September 9th will be in the Linnaean Gardens of Uppsala. More information will follow.

The conference dinner will take place at the Castle of Uppsala in the evening on September 10th. More information will follow.



Linnaean Gardens of Uppsala, Photo: Ulrika Larson

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EXCURSION TO REMEDIATION SITE AT SALA SILVERMINE

You are invited to join our excursion to the remediation site at Sala Silvermine on September 12th. More information will follow.



Photo: Ulrika Larsson

REGISTRATION AND FEES

Registration will open in February 2024.

The “Early Bird” conference fee is SEK 7 200 (~ € 637) if you register before April 4th, 2024.

After April 4th the fee will be SEK 7 900 (~ € 700). All prices are excl. VAT.

SPONSORSHIPS

Sponsorships are most welcome – min. SEK 12 500 (~ € 1 106). Sponsor logos will be presented on the web page, on the calls for abstracts, on the main screens during breaks and printed in the conference program/compendium.

Package deal, which include sponsorship, exhibition stand and participation fee for one person, will be available at SEK 24 000 (~ € 2 124). Please contact conference secretariat at Resia, conference@resia.se, att. Ulrica Edström. All prices are excl. VAT.

LOCATION

Conference Venue is: Uppsala Konsert och Kongress, Uppsala. See more information regarding accommodation at www.nordrocs.org.

Uppsala Konsert och Kongress is located within a ten minutes walk from Uppsala Central Station and 30 minutes with train from Stockholm Arlanda Airport.

CONTACT INFORMATION

NORDROCS-webpage: www.nordrocs.org, e-mail: nordrocsconference@gmail.com

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