

NYHETER

2006:3

Syftet med Nätverket Renare Mark är att vara ett »Forum för att främja utvecklingen inom efterbehandling av föroreningar i mark och vatten«. Målet är att skapa ökad kontakt mellan olika aktörer, diskutera aktuella frågor och samarbeta med nordiska och europeiska nätförbund i seminarier och workshops.

Nätverket
Renare Mark

Styrelsen Informerar

- Resultatet från enkäten som gått ut till nätverkets medlemmar har sammansättts. Många vill ha stora seminarier. Läs mer på hemsidan!
- En regional avdelning har bildats i Örebro.
- En informationsbroschyr om nätverket håller på att tas fram.
- Nätverket kommer att ha en monter på miljöteknikmässan i Göteborg den 21-23 november.
- Nätverkets vårmöte planeras till den 20-21 mars 2007.
- Ett forskarmöte planeras i Örebro dagen innan vårmötet.
- Det är stor aktivitet i våra regionala nätverk, vilket syns på respektive hemsida.

/MARIE ARNÉR, ORDFÖRANDE



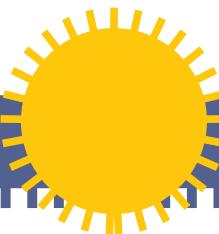
Nätverket Renare Marks nyhetsbrev distribueras till samtliga medlemmar i nätverket via e-post. Nätverket är öppet för alla intresse-rade. Enskilt medlemskap kan tecknas av alla, för företag finns korporativt medlemskap. Mer information finns på nätverkets hemsida eller kan fås genom att skicka e-post till nätverket. Bidrag till Nyhetsbrevet tas gärna emot.

Redaktion:
Krister Honkonen 031-61 14 10
krister.honkonen@fastighet.goteborg.se
Ingegerd Ask 090-71 52 65
ingegerd.ask@sweco.se
Thomas Liljedahl 090-786 5464
thomas.liljedahl@chem.umu.se

Ansvarig utgivare:
Ordförande
Marie Arnér 08-688 64 03
marie.arner@wspgroup.se

Nätverket Renare Mark
c/o Statens Geotekniska Institut
581 93 LINKÖPING
info@renaremark.se
www.renaremark.se

NORDROCS 2006



AFTER NEARLY TWO YEARS of planning for a joint Nordic event, the 1st joint Nordic meeting on remediation of contaminated sites, NORDROCS, with over 380 participants was launched at Slagthuset in Malmö, Sweden. The meeting was organized as a cooperation between the Nordic networks (Renare Mark, MUTKU, Miljöringen and ATV Jord og Grundvand) and started out with presentations by representatives from the Nordic EPA's respectively, followed by a panel discussion. The discussion leader Wouter Gevaerts from ARCADIS brought out the difference between the Nordic countries:

- Iceland: focus on inventory
- Norway: focus on landfills and sediments
- Sweden: focus on human toxicology and ecotoxicology
- Finland: developing legislation
- Denmark: focus on human toxicology and groundwater

The meeting continued with sessions on remediation of sediments, contaminant leaching, remediation technologies, risk assessment and state-of-the-art projects from the Nordic countries. Power point presentations, short papers, presentations from the excursion at BT kemi and other material from the meeting you can find on NORDROCS home page www.renaremark.se/nordrocs

www.renaremark.se/nordrocs

- Check out the link on the web page where you can listen to the panel debate

• The handout will be published electronically with a ISBN-number and officially registered as a proceeding from the meeting.

• It was stated during the meeting that the next NORDROCS will be held in Helsinki, hosted by MUTKU, in autumn 2008 or spring 2009.

VOICES FROM NORDROCS:

THE NORDROCS PANEL debate about the difference between the Nordic and the European conditions were interesting from an authority's point of view. Working within the county administration you have to follow the legislation of your country on the actual subject. Furthermore the work is controlled by the system consisting of the national policies. Therefore it is very important to see other ways to work, to get a broader view on conditions, priorities and levels of the remediation work. Personally I would have liked to have had a summary of the panel discussion because it was very hard for my English-untrained ear, to understand everything said.

It was a good and well worked through programme which gave a broad perspective on what is going on within the subjects of remediation and contaminated sites in the Nordic countries and new thoughts on how to solve our problems. In the process making environmental decisions on behalf of the county administration board, one is rarely given more than two alternative solutions to assess. Our main task is to decide if any of them is cost effective and environmentally satisfying. It is necessary to motivate why and show how your decision was made. Time is often short and there is a lack of access to experts within certain fields to support the process of assessing the balance between economic cost and environmental and health benefit.

NORDROCS is a good first step to inject the knowledge from recent research progress into or decision processes. For us to be able to use the knowledge gained, there is a need for help to concretise. This type of meetings could definitely lead to new thinking that may be used in the processes of making decisions.

I very much look forward to take part in the next NORDROCS to see what has happened in the different Nordic countries regarding their different strategies and ground conditions. It would also be interesting, if possible, to see what happened with the projects and the research we heard about in this first meeting. Also to see if the represented remediation and risk assessment methods are in common use and what more we know about bioavailability, human exposure and the future soil contaminants by then."

/CHARLOTTE LINDKVIST COUNTY ADMINISTRATION BOARD OF SÖDERMANLAND, SWEDEN

Mer information på www.renaremark.se

VOICES FROM NORDROCS:

"IT IS VERY IMPORTANT that people working in the environmental sector in the Nordic countries get together to exchange knowledge. NORDROCS 2006 made it possible to get to know what is going on in the environmental field, and at the same time, what the tendencies are in the near future. Sharing our knowledge helps us create better solutions for environmental questions and problems in the Nordic countries.

NORDROCS 2006 dealt with actual and important environment issues such as contaminated sediments and their remediation, leaching of contaminants, in-situ remediation technologies and risk assessment. An important aspect in the meeting was also the practical, hands-on approach; how to handle situations in the field. Moreover, important basic research was presented giving solutions for applied technologies.

NORDROCS meeting has its own and essential place in the co-operation and sharing the knowledge between the Nordic countries. On behalf of the Finnish delegation, I want to thank the organisation committee for a very successful meeting. We will meet again in the next NORDROCS in Finland in about two years."

/TUOMAS LUKKARI, RAMBOLL FINLAND LTD.



BEING AN ACTIVE participant on all previous Renare Mark meetings in Sweden, and involved with the exhibition and poster section, I was very positive to this first NORDROCS meeting. The opening with getting an overview of the status from the different Nordic countries was a good start. Then as an exhibitor I was pleased to see the good attendance among the stands, during coffee brakes and lunch. Looking at the posters, they seem to have very high standard. I believe the poster and exhibition part is very important, also for the future. An interesting observation was that the average age of the participants is pretty young, mainly between 25- 45. This gives great promises for the future. Congratulations to a great meeting!

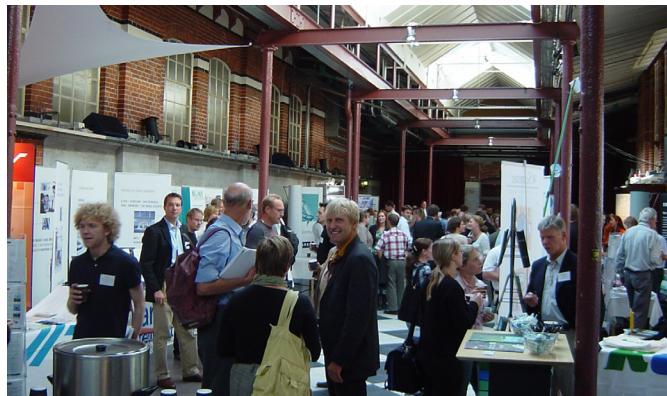
/LENNART ANDERSSON, SCANTEC MILJÖINSTRUMENT AB, SWEDEN

"GIVEN THE FACT that this was the first conference of this type, it exceeded my expectations. I found the session "National Policies in the Nordic Countries" to be particularly valuable. It was evident to me that the conference was very well planned and executed.

Some recommendations for next NORDROCS conference:

- Run an updated session on "National Policies in the Nordic Countries", with a greater focus on government initiatives (where the money is being spent, and plans for new programs).
- Separate presentations on applications (e.g., site remediation case studies), from laboratory research presentations.
- Make more institutes like IVL present themselves to show what they are working on (EU projects, collaborations with Universities, etc)

/NEAL D. DURANT,
GEOSYNTEC CONSULTANTS, USA



"TO BE AT THE 1ST JOINT NORDIC MEETING on Remediation of Contaminated Sites (NORDROCS) in Malmö this September 2006 was a great pleasure, and I look forward to the next Nordrocs meeting already. Arriving on Tuesday evening, I walked straight to the reception and the posters, learning that taxi driving in Malmö could be costly. Beside free beer from Soilrem Envirotech, I was happy to see that many other Norwegian were at the conference, too.

The conference was very well organised and started with presentations of national policies in the Nordic countries. The national representatives gave all good status information, but seemed a bit nervous in the panel debate, when explaining the differences in the national policies. In Norway we are mostly concerned with contaminated sediments these days, perhaps because there are fewer registered contaminated sites than in the other Nordic countries. Use of risk based remediation strategies was different between the countries, and not widely used in Finland. The definition and treatment of contaminated soil, whether it should be regarded as waste or not, was different between the countries. For me it seemed that Finland and Iceland had the strictest definitions. And apparently Sweden was the country with the currently largest budgets for remediation. Sweden and Denmark also had programs for technology development for risk assessments and soil remediation, with information available on the Internet. In Norway the soil quality guidelines are being updated, and the proposed new acceptance criteria was presented on day 2.

The conference had four main themes, in two parallel sessions. The organizing committee and review committee had made a good selection of presentations, covering many interesting topics with time for questions after each presentation. I was a bit surprised that there were no State of the art presentation from Denmark, and there were also few poster presentations from Denmark. Perhaps one must attend the Danish Vintermøde, to learn about State of the Art in Denmark?

All the technical equipment was working perfectly, and the presentations were made within their limited time. The presentations had high quality, giving brief information with more detailed information in the proceedings. I still prefer to have the proceedings in a book and not at a CD as I often find it useful to write notes in the papers during the presentation.

Despite some noise from the surroundings at parallel session 2 and 4, the conference centre Slagthuset was excellent. The conference dinner with live music and dance was well attended. It was therefore surprisingly many both present and awake at the first presentation at 08:30 the following day, indicating that remediation of TBT contamination and PCE contamination are very interesting topics."

/VIDAR ELLEFSSEN, PROMITEK AS, NORWAY

Samlad syn på hantering av kvicksilver-sediment vid Workshop i Älvkarleby

Workshopen, som genomfördes i slutet av augusti av Marksaneringscentrum Norr (MCN) med stöd av Hållbar Sanering (NV), SSVL och Nätverket Renare Mark, samlade drygt 50 medverkande från hela landet samt Norge. I programmet fanns redovisningar av flera av de senare årens genomförda eller pågående saneringsinsatser: Skutskärs bruk, Turingen, Örserumsviken, undersökningar och riskbedömningar liksom resultat av aktuella FOU-projekt inom området. Workshopen organiserades med främsta syftet att sprida och diskutera resultaten i genomförda projekt inom Hållbar Sanering.

Vi fick lyssna till de biogeokemiska processer som styr metylering av kvicksilver och därmed dess risker för miljön som har utsatts genom omfattande studier såväl i laboratoriemiljö som i fält. Även om synen på bakteriernas inverkan i processerna visade sig skilja något mellan talarna så kvarstod en konsensus om hur riskbedömning och val av åtgärdsmetoder bör göras i framtiden. Det bli tal om mätningar och bedömning av faktorer som C/N kvot, neutrala Hg-sulfider, löst organiskt kol (DOC) och oorganiska sulfider i porvattnet. Workshopen avslutades med ett studiebesök till saneringsområdet vid Skutskärsbruks hamn. En rapport som sammanfattar workshopen kommer att skrivas och förmedlas genom Hållbar Sanering. Tills vidare finns presentationer och abstracts tillgängliga på www.chem.umu.se/mcn/publicering_projektbeskr.stm

/THOMAS LILJEDAHLL, MCN

GLÖM INTE!

Att besöka Nätverkets monter vid Miljöteknikmässan i Göteborg den 21–23 nov. Nordens största största fackmässa inom miljöteknikområdet som besöks av företrädare från industri och offentliga verksamheter. Läs mer på www.miljöteknik.com



Det händer i nätverket

25 oktober
Studiebesök på miljölaboratoriet Milana A/S i Helsingör.
Renare Mark Syd

29 okt-1 nov
Studiereisa till Holland

21-23 november
Miljöteknikmässa i Göteborg
med Renare Mark-monter

6 december
Götaälvdagen
Renare Mark Väst

19 mars, 2007
Forskmöte
Örebro

20-21 mars, 2007
Värmöte
Örebro

Konferens

Miljöringen temamøte »Forurenede masser i Oslo
– Videre utfordringer ved tiltaksprioriteringer, bruk av aktsomhetskart og disponering av lettere og middels forurenede masser.
9–10 november 2006
www.miljoringen.no

ATV-mötet: ATV – Fondet for Jord och Grundvand
Mötet under 2006
26 oktober: Valg af afværgemetoder – hvordan findes den teknisk, økonomisk og miljømæssigt mest optimale oprensningsteknologi?
8 november: Kalk på tværs
21 november: Aktuelt emne (planlægges forår 2006)
www.atv-jord-grundvand.dk

RM Mälardalen besöker projekt Beckholmen



Många intresserade hade anmält sig till studiebesöket på Beckholmen för att höra om de framtida planerna för det anrika varvet. Beckholmen har sitt ursprung som becksjöderi där man kokade tjära till beck. I mitten av 1800-talet övergick detta till varvsverksamhet och är än idag en ovärderlig tillgång för både ideell och kommersiell sjöfart när det gäller reparationer och löpande service. Två dockor, 75 resp. 45 meter långa (de s.k. östra och västra dockorna) är insprängda i klippan och drivs med elektriska pumpverk. Förutom varvsverksamhet finns även en del bostadsbebyggelse på ön.

Beckholmen är tillsammans med Galärvarvet, Skeppsholmen och Kastellholmen en del i ett unikt maritimt landskap. Denna »maritima fyrklöver», som kallas Stockholms sjögård ingår i Ekoparken som 1995 utsågs till världens första nationalstadspark, bland annat för en unik mix av natur och kultur. Beckholmen har förutom byggnader och dockor ett botaniskt värde med unika växter, som gynnas av den marina miljön.

Området är kraftigt förorenat av tungmetaller (bly, kvicksilver, arsenik) och tjäramnen (PAH) som har koppling till bland annat båtbottenfärgar och båtrenovering. En huvudstudie, med bedömning av miljö- och hälsorisker och förslag till saneringsåtgärder som utfördes 2004–2005 konstaterade att verksamheterna på Beckholmen, från 1600-talet till idag även har gett upphov till ett utflöde av föroreningar till vattenområdet utanför ön. Därmed finns ett saneringsbehov. Målet med en sanering är att skapa en hälsosam miljö för de boende och verksamma på ön samt stoppa urlakningen av föroreningar till vattenområdet. Kostnaden för de planerade åtgärderna uppskattas till 125–215 Mkr vilka nu söks från Naturvårdsverket via Länsstyrelsen i Stockholm. Efter att medel beviljats kan åtgärderna planeras i detalj och erforderliga tillstånd sökas. Vidare kommer boende och verksamma att behöva flytta från ön under själva saneringstiden och därmed finns en mängd logistiska och praktiska faktorer att ta hänsyn till.

Kurstips

Forskardagar i Geoteknik och Miljö.
22-23 november 2006, Linköping
www.renaremark.se/filarkiv/konferens/1a_inbjudan_SGI_november.pdf

MCN Slutmöte »Landvinningar i Norr«
28-29 November 2006, Umeå
Öppet för alla.
www.chem.ume.se/MCN/Konferenser/MCN/Inbjudan_MCN_Landvinningar_i_Norr_v1.pdf

Difpolmine
Conference. What does the future hold for large
metalpolluted sites?
12-13 dec. 2006, Montpellier, France.
www.difpolmine.org

Fourth International Conference on
Remediation of
Contaminated Sediments
22-25 January 2007, Georgia
www.batelle.org/Sedimentscon

