



NEREIS PARK ASSOCIATION

NEREIS PARK NEWSLETTER

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Third Nereis Park Conference at Kristineberg

On behalf of all the participants, I would like to thank the organising committee and all the persons that made this conference possible at Kristineberg.

In this issue:

Third Nereis Park
Conference at
Kristineberg

The Science 1

The Awards 2

The Workshop 3

The Fun and the
Call 3

Third Nereis Park Conference: The Science

Dear all,

The Third Nereis Park Conference (Kristineberg Marine Station, Sweden) was a fantastic event that allowed enthusiastic exchanges and open discussions between all the participants.



During the conference, we had the opportunity to listen to and exchange with:

Invited keynote and plenary speakers

Magali Gerino: Bioturbation in aquatic systems – a historical perspective

Bess Ward: Nitrifier and denitrifier community composition in marine sediments

Robert Diaz: Influence of anthropogenic stressors on benthic processes, local and global implications

Simon Thrush: Thinking outside the core: searching for generality and societal relevance in biodiversity and ecosystem function

Invited speakers

Hannah Wood: Ocean acidification

Daniel Conley: Hypoxia in the baltic sea

Steve Widdicombe: Will bioturbating animals be affected by ocean acidification?

Third Nereis Park Conference: The Science

The forty-four presented talks and posters were regrouped according to three topics:

- Anthropogenic impact: micro-to global scale
- Novel tools and technique
- Functional biodiversity - importance for bioturbation, bioirrigation and biogeochemistry in microcosms and nature

Also, they were tagged as a function of the working spatial scale: global, macro, meso, micro or integrative.

The Conference programme and Book of Abstracts can be downloaded on the Conference webpage: <http://www.nereispark2011.org/>



Third Nereis Park Conference: The Awards

At the end of the conference, awards were attributed to four students to encourage the continuation of their work.

The awardees:

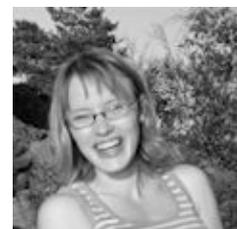


Zeljko Jovanovic et al.:

Linking oxygen dynamics and porewater transport in sediments inhabited by the invasive polychaete *Marenzelleria viridis*

Anna Villnäs et al.:

Impacts of increasing stress on benthic ecosystem functioning



Matthieu Delefosse et al.:

4D visualisation and quantification of biologically driven advective flow

Christina D. Pommer et al.:

Does bottomtrawl fishery have an impact on the benthic fauna in Kattegat?



Third Nereis Park Conference: The Workshop

Following the conference, a discussion workshop entitled "Bioturbation in the past, present and future challenges" was organized

The workshop focussed on illustrating and communicating what is actually known about bioturbation and why it is important for organisms and ecosystems.

Participants have described bioturbation activities and their interactions with environmental factors along different gradients (e.g. salinity, depth and substrate). They have given image featured case studies of bioturbation and their importance for aquatic ecosystem functions. Finally, future challenges for the bioturbation community in a globally changing environment were suggested.



Third Nereis Park Conference: The Fun and the Call

Social events organised during the conference were on the same level than the scientific ones, from hikes to discover surrounding landscapes and typical villages to local sports: "Innebandy" or sea kayaking.

The conference finally ends with the Nereis Park worm race. And this time, the "All Blacks" team coached by *Ulrich Floth* won.



In order the "All Blacks" to defend their title, the call for volunteers in order to organize the Fourth Nereis Park Conference in 2014 is now open.

All the applications will be evaluated by a "secret committee" of your peers whose identity could be revealed upon request after the choice of the next Nereis Park Conference location in early 2012.

In order to apply, please request and send back to contact.nereispark@gmail.com the preliminary information form before 13th December 2011.

NEREIS PARK



The purpose of the Nereis Park is to regroup and favor the contacts between all the scientists studying the bioturbation processes induced by the King Nereis and other animal or vegetal organisms in sediments and soils.



Contact us:

contact.nereispark@gmail.com

Find us on the Web:

nereispark.org
