

Program VERWEY Meeting 31 January-1 February 2005

Monday 31 January 2005

14:00 – 14:05

Opening, Indigo Room, Royal NIOZ

The Changing Environment (Jan Bakker, chair)

- 14:05 Liu, Alice (Laboratory of Palaeobotany and Palynology, Utrecht University)
Carbon and nitrogen isotopes in subfossil Finnish peat: decomposition or environmental change? Chemical characteristics in subrecent peat: historical archive of changes in atmospheric CO₂ concentration and N deposition.
- 14:25 Klimkowska, Agata (Community and Conservation Ecology Group, University of Groningen)
Prospects of fen restoration by topsoil removal: case-study from Poland.
- 14:45 Wal van der, Annemieke (NIOO, Heteren)
Development of the fungal biomass in secondary succession.
- 15:05 Kardol, Paul (NIOO, Heteren)
Vegetation succession and soil nematode community development after land abandonment.
- 15:25 Beumer, Victor (Landscape Ecology, Utrecht University)
De effecten van waterberging op (half-)natuurlijke vegetatie in beekdalen.
- 15:45 Coffee and tea break

Evolutionary Ecology (Patsy Haccou, chair)

- 16:00 Graaf van der, Sandra (Animal Ecology, Groningen)
Surfing on a green wave: how plant growth drives spring migration in the Barnacle goose.
- 16:20 Hidding, Bert (NIOO, Nieuwersluis)
Alternative stable states in macrophyte communities in shallow lakes; the role of avian herbivores.
- 16:40 Klaassen, Raymond (NIOO, Heteren)
Optimal foraging in a spatially patterned world.
- 17:00 Wolfshaar van de, Karen (Institute for Biodiversity and Ecosystem Dynamics, Amsterdam)
Changing size-distributions; the interplay between predator and prey.
- 17:20 Reneerkens, Jeroen (NIOZ, Texel)
Functional aspects of shifts in preen wax composition in shorebirds.
- 17:40 Coffee/tea break and soft drinks

Evolutionary Ecology (Maus Sabelis, chair)

- 18:00 Spichtig, Matthias (Institute for Biodiversity and Ecosystem Dynamics, Amsterdam)
The outside option in the iterated prisoner's dilemma.
- 18:20 Ayrinhac, Audrey (Evolutionary Genetics, Groningen)
Can Recombinant Inbred Lines (RILs) be used for QTL analysis of ageing in *Drosophila melanogaster*?
- 18:40 Rijswijk van, Marielle (Evolutionary Genetics, Groningen)
Maintenance of local adaptation under different migration-selection regimes in experimental metapopulations of *Drosophila melanogaster*.

19:00 - 19:30 **Drinks**

19:30 – 20:30 **Dinner and coffee**

Verwey lecture (Jacques van Alphen, chair)

- 20:30 **Isabelle Olivieri** Joint evolution of local adaptation and habitat choice, with special emphasis of insects on plants.

Tuesday 1 February

Honorary AIO Lecture (Jaap van der Meer, chair)

09:00 **Jan van Gils** Foraging decisions in a digestively constrained long-distance migrant, the red knot (*Calidris canutus*).

10:00 Coffee and tea

Marine Ecology and Genetics (Franjo Weissing, chair)

10:30 Wesenbeeck van, Bregje (NIOO, Yerseke)
Biomechanical warfare in ecology: competition by habitat modification.

10:50 Chevelot, Malia (Marine Biology, Groningen)
Population genetic structure of the Thornback ray (*Raja clavata* L.) in British waters.

11:10 Bozec, Yann (Marine Chemistry and Geology Department, NIOZ Texel)
Processes governing the Continental Shelf pump of CO₂ in the North Sea.

Plant Ecology (Tom Van Dooren, chair)

11:30 Gómez, Sarah (Nijmegen University)
Induced Systemic Resistance in a clonal plant network.

11:50 Mólken van, Tamara (Centre for Wetland Ecology, Nijmegen)
Ecological aspects of *T. repens* - WC1MV interactions.

12:10 Lunch

Plant Ecology (Tom Van Dooren, chair)

13:20 Weijschedé, Jelmer (Radboud University Nijmegen)
Petioles: Mechanisms and Fitness Consequences of constitutive trait values and plastic elongation responses.

13:40 Dulanto, Perla (International Potato Center, Wageningen)
Multispectral data assessment on potato (*Solanum tuberosum*) and sweet-potato (*Ipomoea batatas*) crops as a diagnostic tool for earliest pest and disease damage detection.

Community Ecology (Martijn Egas, chair)

14:00 Salles, Joana (Plant Research International, Wageningen)
Effect of agricultural management regimes on *Burkholderia* community structure in soil.

14:20 Ridder de-Duine, Annelies (NIOO, Heteren)
Rhizosphere bacterial community composition in natural stands of *Carex arenaria* (sand sedge) is determined by bulk soil community composition.

15:00 Poster Session

Beyond Contributions by Patsy Haccou, Martijn Egas and Tom Van Dooren.

16:00 **Drinks and Tapas**

Closure