FAME Symposium 2016

Monday 19 December 2016

Symposia: 5 min introduction convener(s), Opening talks 25 mins, other talks 15 mins (symposium 3 and 4 introduction + opening talk 40 mins)

Timing

8.45 h  Intro Maurice Hoffmann (NecoV) & Ellen Decaestecker (FAME) 15 mins
9.00 h  Keynotes Gerlinde de Deyn & Chris Jiggins (2 x 35 mins)
10.10 h  parallel session A (symposium 1 GCB & symposium 4 EEG) (1u40 mins)
1150 h  lunch & coffe with posters
13.30 h  parallel session B (symposium 2 EID & symposium 6 LTER) (1u40 mins)
15.10 h  Coffee
15.30 h  parallel session C (symposium 3 FB & symposium 5 UE) (1u40 mins)
17.10 h  Keynotes Hans Van Dyck & Marc Urban (2x35 mins)
18.20 h  End mixer FAME - Opening mixer EVENET (until?)

Keynote talks

Keynote 1  Gerlinde De Deyn (UWageningen) - Illuminating the soil black box to unlock its potential
Keynote 2  Chris Jiggins (UCambridge) - How do genomes diverge during adaptive radiations?
Keynote 3  Hans Van Dyck (UCLouvain) - Biological success in the Anthropocene: find the way out of the forest
Keynote 4  Mark Urban (UCConnecticut) - Improving the forecast for biodiversity under climate change
### Symposium 1: Global change and biodiversity: impact and mitigation

**Conveners**
Maaike Weijters (B-WARE), Koen Sabbe (UGent)

**Opening talk 1**
Frederik De Laender (UNamur) - Biodiversity, ecosystem function, and environmental change

**Opening talk 2**
Hilde Tomassen (B-WARE) - Phosphate stripping by hypolimnic oxygenation of Lake Ouderkerk: a highly effective measure to control cyanobacterial blooms

**Talk 1**
Elie Verleyen (UGent) - The polar lacustrine microbiome: centres of endemism under changing climates

**Talk 2**
Eva Van Den Elzen (Raboud University Nijmegen) - From carbon source to carbon sink: strong reduction of greenhouse gasses by rewetting of agricultural peatlands and restoring peat moss vegetation

**Talk 3**
Haben Blondeel (UGent) - Disentangling interactive effects of past and present environmental changes on forest herbs in a multi-factor experiment

### Symposium 2: Emerging infectious diseases

**Conveners**
Tine Huyse (Museum Tervuren), Peter Goethals (UGent), Ellen Decaestecker (KU Leuven-Kulak)

**Opening talk 1**
Veerle Versteirt (Avia-Gis) - How spatial data can help in the battle against emerging infectious diseases

**Opening talk 2**
Tine Huyse (Museum Tervuren) - Tropical infectious disease in Europe: reconstructing the emergence of urinary schistosomiasis in Corsica (France)

**Talk 1**
Tinne Lernout (WIV-ISP) - *Update on Lyme disease in Belgium*

**Talk 2**
Hans Keune (INBO) - Report from the European OneHealth/EcoHealth Brussels workshop 2016

**Talk 3**
Lien Reyserhove (KU Leuven-Kulak) - Elemental changes along a spatial gradient: does it impact zooplankton-parasite interactions?

### Symposium 3: Functional biodiversity

**Convener**
Lander Baeten (UGent)

**Opening talk**
Fons van der Plas (Senckenberg Biodiversity Institute) - *Biodiversity and ecosystem multifunctionality in European forests*

**Talk 1**
Margot Vanhellemont (UGent) - Tree growth in strict forest reserves: local stand density more important than tree species diversity
Talk 2  Harry olde Venterink (VUB) - Impact of species diversity and facilitation on exotic plant invasions in the Brazilian Cerrado

Talk 3  Jonathan De Raedt (UGent, UNamur) - The effect of stress dispersal on the relationship between regional diversity and metacommunity functioning

Talk 4  Nele De Meester (UGent) - Cryptic diversity matters: ecological and functional differences in a marine nematode cryptic species complex

Symposium 4: Ecological and Evolutionary genomics

Conveners  Sofie Derycke (KBIN), Isa Schoen (KBIN)

Opening talk  Karine Van Doninck (UNamur) - Genomic evidence for ameiotic evolution and genetic exchanges in the bdelloid rotifer Adineta vaga

Talk 1  Janne Swaegers (KU Leuven) - Genomic signatures of rapid evolution during range expansion of the dainty damselfly (Coenagrion scitulum)

Talk 2  Carl Vangestel (KBIN) - Unravelling the evolutionary history of a parallel adaptive radiation of Calosoma beetles in the Galápagos archipelago

Talk 3  Henrik Christiansen (KU Leuven) - Connectivity the Southern Ocean: population genomics of icefish

Talk 4  Sofie Derycke (KBIN) - Pinpointing behavioral responses during mating using differential gene expression in the female brain of cichlid fish

Symposium 5: Urban Ecology

Conveners  Dieter Anseeuw (KU Leuven – Vives), Raf Aerts (KU Leuven)

Opening talk  Ben Somers (KU Leuven) - The role of plants in an urbanizing world? Monitoring the ecosystem services of urban green through geo-technology

Talk 1  Karen Cox (INBO) – Effects of a heterogeneous and highly urbanized landscape on gene flow in a coastal amphibian metapopulation

Talk 2  Karen Wuyts (UA) - Leaf bacterial community composition in urban environments

Talk 3  Jelle Hoffman - Impact of an urban tree crown on the local distribution of atmospheric dust (PM10) inside an urban street canyon in Antwerp, Belgium

Talk 4  Andros Gianuca (KU Leuven) - Taxonomic, functional and phylogenetic metacommunity ecology of zooplankton along urbanization gradients
# Symposium 6: Long Term Ecosystem Research

**Conveners**  
Ann Milbau (INBO), Nathalie Cools (INBO)

**Opening talk 1**  
Kris Vandekerkhove (INBO) - Long-term ecological research in strict forest reserves in Flanders (Belgium): what have we learnt so far?

**Opening talk 2**  
Kris Verheyen (UGent) - Functional Biodiversity FORBIO: overview of five years of research in a large tree biodiversity experiment

**Talk 1**  
Juidth Sitters (VUB) - The Kenya Long-Term Exclosure Experiment (KLEE): large mammals as drivers of savanna dynamics

**Talk 2**  
Marilyn Roland (UA) - The Integrated Carbon Observation Network (ICOS) in Belgium – an overview

**Talk 3**  
Gunther Van Ryckegem (INBO) - Long term monitoring in the Sea Scheldt estuary: the baseline for ecological system understanding and a driver for research questions