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PE&RC | The Graduate School for Production Ecology and Resource Conservation

## **PE&RC Messages**

**November 2019**

### **HIGHLIGHTS**

#### **PhD Course | Statistical Uncertainty Analysis of Dynamic Models**

**(9 - 13 December 2019)**

*The purpose of this course is to make the participants familiar with general statistical concepts describing uncertainty, and methods to compute prediction uncertainty coming from uncertain parameter values. We introduce dynamic input-state-output systems and methods to write your model in this format.*

#### **International PhD Course | Root Ecology**

**(19 – 24 January 2020)**

*This post-graduate course focuses on root ecology, how roots grow, function and interact with the surrounding environment. We will discuss differences and similarities between roots in natural ecosystems and roots of agricultural plants and how future research and breeding of agricultural plants can exploit the knowledge obtained from natural systems. The course will be held at Parkhotel de Bosrand in Ede.*

## **PhD Course | Chemical Communication**

**(2 – 6 February 2020)**

*This course will provide an overview of concepts and tools that can contribute to the design of multifunctional landscapes that are better suited to capitalize on ecosystem services in conjunction with other land-use functions. The focus of the course will be on consumer-resource interactions underlying pollination and biocontrol services, the spatial ecology of pollinators and natural enemies, the impact of pest management practices on arthropod-mediated ecosystem services, and the design of multifunctional landscapes that support arthropod-mediated ecosystem services as well as other land-use functions. The course will be held at Parkhotel de Bosrand in Ede.*

### **PE&RC Postgraduate courses**

- **WIAS/PE&RC advanced statistics course Design of Experiments (December 2019)** (17 – 19 December 2019)  
*The design and analysis of experiments, using plants, animals, or humans, are an important part of the scientific process. Proper design of an experiment, apart from its proper analysis and interpretation, is important to convince a researcher that your results are valid and that your conclusions are meaningful.*
- **Multivariate Analysis** (29 - 31 January, 3 - 4 February 2020)  
*In this course, the participant will be provided with both the basic understanding of the principles of multivariate methods and the skills needed to use those methods in his/her own work. The course consists of lectures and computer practicals using RStudio.*
- **Science of Conservation** (18 February – 4 March 2020)  
*Due to human land use and climate change, the world around us is changing rapidly. Natural vegetation and wildlife are challenged to adapt to these changes, but in many areas biodiversity is declining. The repercussions of these losses for ecosystem functioning and human well-being may be enormous. At the same time, many areas are experiencing a rewilding in terms of both natural vegetation as well as wildlife. Both declining as well as increasing biodiversity create huge global challenges but also opportunities. Challenges arise when, for example, increasing numbers of wildlife enter the human-environment interface, creating conflicts with agriculture and forestry, increasing zoonotic disease risk, and disease transmission between wild and domestic animals. On the contrary, biodiversity may provide opportunities in the form of ecosystem services, such as pollination, meat from hunting, recreation and income-generating opportunities through eco-tourism. The complexity of human-wildlife interaction raises a fundamental question: How do we balance healthy and diverse vegetation and wildlife with the requirement of social and economic sustainability? This question is central to this course on the science of conservation, which will be held at the [Southern African Wildlife College](#) in Hoedspruit, just outside the borders of Kruger NP in South Africa.*

- [Land Dynamics in an Era of Change: Learning from the past to face the future](#) (12 – 23 October 2020)

*The course takes an interdisciplinary perspective to study the complex issues related to the dynamics of the landscape and the development of sustainable systems. For this course we use the slopes of the Drakensberg Mountains in South Africa as a case study.*

## Upcoming PE&RC Postgraduate courses – **SAVE THE DATE**

- [Resilience of living systems](#) (24 – 29 May 2020)

*In this course we will address how resilience theory can be used to tackle fundamental and societal issues from a socio- economic and bio-physical perspective.*

- [Euroleague – European Forest](#) (21 – 30 September 2020)

*The idea of this course is to bring PhD candidates and postdocs from various countries and cultural backgrounds, and working in different scientific disciplines but related to European forests, together in a professional on-site training course in Austria.*

**More information will follow soon**

## Career development, skills and competences

- **Wageningen University Library training programmes**, please click [here](#).
- **Wageningen Writing Lab to improve writing skills**, please click [here](#).
- **Educational Staff Development teaching skills courses (open to employees of Wageningen University & Research)**, please click [here](#).
- For a complete overview of courses offered by **Wageningen Graduate Schools**, please click [here](#).
- For a complete overview of courses offered by the **Graduate School of Life Sciences at Utrecht University**, please click [here](#).
- For a complete overview courses offered by **Leiden University**, please click [here](#).
- For a complete overview of courses offered by **The Graduate School of Science at the University of Amsterdam**, please click [here](#).

*Note: if you are interested in organising a similar course at your own institute, please contact [Claudius van de Vijver](#)*

## Symposia, Lectures, Workshops, Seminars and other activities

- [Post-graduate course on characterisation, management and exploitation of genomic diversity in animals](#) (9 – 13 December 2019) @ Wageningen, the Netherlands

- [British Ecology Society Annual Meeting](#) (10 – 13 December 2019) @ Belfast, Northern Ireland, UK
- [Symposium: Advances in Plant and Food Metabolomics 2019](#) (12 December 2019) @ Wageningen, the Netherlands
- [NCCV 2019 - The Netherlands Conference on Computer Vision](#) (16 – 17 December 2019) @ Wageningen, the Netherlands
- [WIAS | PhD course Genotype by environment interaction, uniformity and resilience](#) (3 -7 February 2020) @ Wageningen, the Netherlands
- [Winter School: A Sustainable Future for the Arctic \(\*application deadline 8 December 2019\*\)](#) (3 -7 February 2020) @ Groningen, the Netherlands
- [Netherlands Annual Ecology Meeting 2020 \(NAEM\)](#) (11 – 12 February 2020) @ Lunteren, the Netherlands
- [World Biodiversity Forum 2020](#) (23 – 28 February 2020) @ Davos, Switzerland
- [Global Symposium on Soil Biodiversity](#) (10 – 12 March 2020) @ Rome, Italy
- [International Symposium : Future of Butterflies in Europe V](#) (2 – 4 April 2020) Wageningen, the Netherlands
- [6th International Symposium on Knowledge and Capacity Development for the Water Sector](#) (27 – 29 May 2020) @ Delft, the Netherlands
- [4th International Conference on Global Food Security](#) (16 – 19 June 2020) @ Montpellier, France
- [Conference Plant Health, Agriculture & Bioscience \(PHAB 2020\) - call for papers](#) (9 – 11 September 2020) @ The Hague, the Netherlands
- [Ecology & Evolution Conferences 2019](#) [check overview of up and coming conferences](#)

## PE&RC Discussion group meetings

- For a complete overview of all PE&RC discussion groups, please click [here](#).

## Position Announcements

- For job vacancies, check our [website](#).

## Upcoming PhD Defences

**25** [Linar Akhmetzyanov](#)  
**Nov** Wageningen University | Forest Ecology and Forest Management  
16:00 New tools for timber provenancing

**28** [Samuel Kinyanjui](#)  
**Nov** Wageningen University | Plant Production Systems  
11:00 Feed the crop, not the soil! Explaining variability in maize yield responses to nutrient applications in smallholder farms of Western Kenya

**4** [Robin Heinen](#)  
**Dec** NIOO | Terrestrial Ecology  
13:45 Soil legacy effects on aboveground plant-insect interactions

**9** [Edouard Rurangwa](#)  
**Dec** Wageningen University | Plant Production Systems  
11:00 Enhancing biological nitrogen fixation and yield of soybean and common bean in smallholder farming systems of Rwanda

**10** [Georges Félix](#)  
**Dec** Wageningen University | Farming Systems Ecology  
16:00 Slash-and-mulch: Exploring the role of shrub-based agroforestry for smallholder farmers in the Sahel

**11** [Victoria Alomia Hinojosa](#)  
**Dec** Wageningen University | Farming Systems Ecology  
11:00 Sustainable crop-livestock integration from farmers perspective in cereal based farming systems of Nepal

**11** [Walter Ocimati](#)  
**Dec** Wageningen University | Farming Systems Ecology  
13:30 Sustainability of banana-based agroecosystems affected by Xanthomonas wilt disease of banana

**17** [Agnieszka Tarko](#)  
**Dec** Wageningen University | Geo-information Science and Remote Sensing  
11:00 Behind subjectivity. Factors affecting visual image interpretation for acquiring reference data for agricultural land monitoring

**17** [Federico Alice Guier](#)  
**Dec** Wageningen University | Forest Ecology and Forest Management  
16:00 The lifecycle of wood from tropical forests in Costa Rica

**18** [Uta Priegnitz](#)  
**Dec** Wageningen University | Centre for Crop Systems Analysis

## Calls

- **[H2020 SC5 \(Climate, environment, raw materials\)](#)** (Deadlines 5 and 13 February 2020)  
*Calls regarding the Horizon 2020 Framework Programme (H2020).*
- **[NWO The Life Sciences Round Table](#)** (Continuous application)  
*The Life Sciences Round Table wants to launch five working groups for the life sciences field.*
- **[NWO Scientific Meetings and Consultations Domain Science](#)** (Continuous application)  
*NWO Domain Science has made it possible to apply for funding for international scientific meetings with no more than 200 participants.*
- **[NWO Visitor's Travel Grants](#)** (Continuous application)  
*Researchers in the Netherlands can apply for a visitor's grant for highly qualified senior researchers from abroad who hold a PhD. With this grant these researchers can stay in the Netherlands for a maximum of four months).*
- **[Integrated Ocean Discovery Programme](#)** (Continuous application)  
*The Integrated Ocean Discovery Programme (IODP) gives scientists the opportunity to participate in drilling expeditions and do research deep in the ocean floor. New locations for expeditions may also be proposed.*
- **[NWO Open competition - Science KLEIN](#)** (Continuous application)  
*In the NWO Open Competition Domain Science - KLEIN researchers can apply individually or in collaboration for curiosity-driven, fundamental research in the research fields of the NWO Domain Science.*
- **[NIAS Individual Fellowships with 3 years post-PhD degree experience](#)** (Continuous application)  
*NIAS offers individual fellowships to scholars who wish to carry out advanced research in the humanities and the social sciences.*
- **[NIAS Co-sponsored Fellowships for scholars working in specific disciplines or research areas](#)** (Continuous application)  
*Each co-sponsored fellowship has its own specific guidelines; some fellowships are awarded through an application process, but others are by nomination or invitation only.*
- **[Funds to publish in an Open Access journal \(only applicable to employees of Wageningen University\)](#)** (Continuous application)  
*Open Access to research results means that this material is digital, online, free of charge, and free of most copyright and licensing restrictions. The Library supports you in Open Access publishing.*

If you have information that you would like to have included in the PE&RC messages, please send this information to [Claudius.vandeVijver@wur.nl](mailto:Claudius.vandeVijver@wur.nl)

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