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

# PE&RC Messages

September 2019

## HIGHLIGHTS



### PE&RC Day 2019

(17 October 2019)

### Exploring Sustainability: Now and for the future

*During the PE&RC day 2019, we aim to put the environment in the spotlight and discuss its pivotal role in supporting societal and economic demands. We will guide you through an interdisciplinary journey to discover what makes biological systems sustainable and how they can serve as inspiration for efficient use of resources. Furthermore, we will explore how to integrate different aspects of sustainability and the recent scientific advancements in anthropogenic systems, by highlighting research with a direct or indirect focus on sustainability, performed by members of PE&RC. All speakers have now confirmed:*



# EXPLORING SUSTAINABILITY

- NOW AND FOR THE FUTURE -



**Sander Koenraadt**  
Medicinal Entomology  
WUR



**Cathelijne Stoof**  
Pyrogeography  
WUR



**Wolf Mooij**  
Aquatic Ecology  
NIOO



**Boris Jansen**  
Soil Chemistry  
UvA



**Jetske Bouma**  
Environmental Economics  
VU



**Marijke Van Kuijk**  
Tropical Forest Ecology  
UU



## PE&RC DAY 2019

17 October - Forum Building C222, Wageningen Campus - Info & Registration: [www.pe-rc.nl/PD\\_2019](http://www.pe-rc.nl/PD_2019)



### PE&RC DAY 2019: EXPLORING SUSTAINABILITY

- NOW AND FOR THE FUTURE -

17 October - Wageningen Campus  
Info & Registration: [www.pe-rc.nl/PD\\_2019](http://www.pe-rc.nl/PD_2019)

#### Sander Koenraadt

"One Health: a sustainable approach to tackle vector-borne diseases?"

Sander studies the **ecology and control of vector born diseases**. He aims to understand disease transmission risk by blood feeding arthropods and to develop non-insecticide tools for disease control. He is a member of the One Health Entomology group, and his research addresses societal issues including **emerging infectious diseases, climate change, and the role of biodiversity**.

He completed his PhD in 2003 at Wageningen University & Research, and worked as a Post Doc at Cornell and UC Davis, before returning to Wageningen, where he is now an Associate Professor in the Laboratory of Entomology.



### PE&RC DAY 2019: EXPLORING SUSTAINABILITY

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17 October - Wageningen Campus  
Info & Registration: [www.pe-rc.nl/PD\\_2019](http://www.pe-rc.nl/PD_2019)

#### Marijke van Kuijk

"Exploring sustainability of forest resource use"

Marijke specializes in **tropical forest ecology**. She has knowledge of climate change, ecosystem services (in particular carbon sequestration), forest certification, (sustainable) forest management, natural resources management, nature conservation and biodiversity. Her research focuses mostly on the tropics, in particular in South East Asia and the Guianas, and will be presenting on **use of forest resource by indigenous peoples in Suriname**.

She obtained a Doctorate Degree from Utrecht University (2008) on the topic of forest regeneration and restoration. Marijke subsequently worked on a number of national and international assignments, both as a researcher and as a consultant, and is now an assistant professor at Utrecht University.



## **Call for Institutional Collaboration 2019**

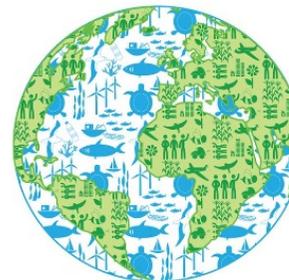
Following last year's successful edition, we're excited to announce our 2019 Call for Institutional Collaboration! Selected applicants will pitch their proposals during this year's PE&RC Day. Deadline for application: **Monday 30 September**. Eligibility & criteria can be found [here](#):

### CALL FOR INSTITUTIONAL COLLABORATION 2019

Directed towards young PE&RC researchers (PhDs and postdocs), subsidies to be awarded during the PE&RC Day.

Deadline for applications: **30 September 2019**

For eligibility criteria, go to [pe-rc.nl/call-institutional-collaboration](http://pe-rc.nl/call-institutional-collaboration)



### PE&RC DAY 2019: EXPLORING SUSTAINABILITY

- NOW AND FOR THE FUTURE -

17 October - Wageningen University campus (Info & Registration: [pe-rc.nl/PD\\_2019](http://pe-rc.nl/PD_2019))



Radboud Universiteit



## **PE&RC PhD Picture Awards**

Based on the great success of previous PE&RC day editions we decided to again organize a Picture Award competition for our PhD community! **Submission deadline: Tuesday 1 October 2019.**

 **Picture Award**  
PE&RC Day Symposium 2019  
*Exploring Sustainability – Now and for the future, Wageningen, 17<sup>th</sup> October*



Compete for the best...

~ Thesis cover



~ Field Work Picture



~ Lab Work Picture



Submission deadline: 1<sup>st</sup> October

[pe-rc.nl/picture-award](http://pe-rc.nl/picture-award)

*For more information and registration:* [https://www.pe-rc.nl/PD\\_2019](https://www.pe-rc.nl/PD_2019)

## PE&RC weekends

**(11 - 13 October 2019)**

PE&RC organises three types of PE&RC Weekends. Firstly, a 'first year's weekend' that is particularly useful for people in the early stages of their PhD. Then, there is a 'midterm weekend' for PhDs that are about halfway down the PhD trajectory, and finally, a 'last year's weekend' for PhDs that are close to finishing their PhD project and that are starting to look ahead. From this autumn onwards, we will run a trial to see if it works to combine all weekends into one. That is, we will have all three-weekend run simultaneously in three lecture rooms in the same venue.

### PE&RC Postgraduate courses

- **R and Big Data** (26 - 27 September 2019)

The aim of the course is to help experienced R users to tackle the problems they face when analysing big data sets. The course will consist of a mixture of lectures and computer labs (in a ratio of approximately 60/40), so there is plenty of time for hands-on exercises.

- **Bayesian Statistics** (23 - 24 October 2019)

With the advance of computing and Markov Chain Monte Carlo (MCMC) algorithms, Bayesian statistics is becoming a powerful alternative for traditional Frequentistic statistics.

- **[Intro to R for statistics \(November 2019\)](#)** (6 - 7 November 2019)

*The aim of this course is to provide an introduction to R, a language and environment for statistical computing and graphics. Focus of the course will be on getting familiar with the R environment, to use R for manipulation and exploration of data, and to perform simple statistical analyses. Hands-on exercises will form a large part of the workshop.*

- **[Basic Statistics \(November 2019\)](#)** (20 - 21 and 26 - 28 November 2019)

*This is a refresher course. The level is that of a second course in Statistics. We will refresh basic knowledge of Probability, Statistical Inference (Estimation and Testing), t-tests, simple cases of Regression and ANOVA, Experimental Design, Nonparametric Tests, and Chi-square Tests. Some time is reserved to discuss statistical problems of the participants.*

- **[Geostatistics](#)** (2 - 6 December 2019)

*Geostatistics is concerned with the analysis and modelling of spatial variability. It also addresses how quantified spatial variability can be used in optimal spatial interpolation and spatial stochastic simulation.*

- **[Statistical Uncertainty Analysis of Dynamic Models](#)** (9 – 13 December 2019)

*Dynamic modelling plays a crucial role in life science research and a key feature of models is parameter uncertainty, arising from biological variation, or a lack of knowledge. It is generally hard to foresee how parameter uncertainty results in variation in the model predictions, especially when a model contains a lot of complex interactions.*

- **[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.*

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

- **[Root Ecology](#)** (19 – 24 January 2020)

*This postgraduate course focuses on root ecology, and 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.*

- **[Chemical Communication](#)** (2 – 6 February 2020)

*In the postgraduate course Chemical Communication we will focus on chemical information at different levels of biological organisation and pay attention at ecological processes and their underlying mechanisms, including production of chemical information and its perception.*

- **[Science of Conservation](#)** (22 February – 7 March 2020)

*Due to human land use and climate change, the world around us is changing rapidly. Natural vegetation and wildlife is challenged to adapt to these changes, but in many areas biodiversity is declining. Location will be South Africa.*

- **Resilience of living systems** (10 – 15 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.*

- **Land Dynamics** (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.*

**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](#).
- **Wageningen Graduate School Lunch Workshop for PhDs, the go/no go decision**, 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 School**, 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

- **[WEES: Seminar | Deep impact: how sponges, their microbes and metabolites change with depth](#)** (19 September 2019) @ Wageningen, the Netherlands
- **[Workshop Earth Observations and Terrestrial Carbon Cycling](#)** (20 September 2019) @ Wageningen, the Netherlands
- **[Grow with the Flow | TEDx Wageningen University 2019](#)** (21 September 2019) @ Wageningen, the Netherlands
- **[Electron Microscopy course – The Basics: from A to W](#)** (23 - 27 September 2019) @ Amsterdam, Wageningen, the Netherlands

- [ICYMARE - International Conference for Young Marine Researchers](#) (24-27 September 2019) @ Bremen, Germany
- [The International Society for Ecological Modelling Global Conference 2019](#) (1 - 5 October 2019) @ Salzburg, Austria
- [Academic Writing 1: The Basics of Academic Writing](#) (3 October 2019) @ Wageningen, the Netherlands
- [An Introduction to \(La\)TeX](#) (8 October 2019) @ Wageningen, the Netherlands
- [CWE Symposium: Perspectives in Aquatic Ecology](#) (10 October 2019) @ Wageningen, the Netherlands
- [SENSE symposium: 'Innovative research techniques in Environmental Sciences'](#) (11 October 2019) @ Enschede, the Netherlands
- [VertiFarm2019 - International workshop on vertical farming](#) (13 - 15 October 2019) @ Wageningen, the Netherlands
- [Lecture | 'Uncovering the hidden half of plants: revealing how roots adapt to water availability'](#) (14 October 2019) @ Wageningen, the Netherlands
- [Developing my Research Vision](#) (17 October - 12 December 2019) @ Wageningen, the Netherlands
- [VLAG course 'Big Data Analysis in the Life Sciences'](#) (21 October - 23 October 2019) @ Wageningen, the Netherlands
- [10<sup>th</sup> World Conference Ecosystem Services Partnership \(ESP\)](#) (21 - 25 October 2019) @ Hannover, Germany
- [Biodiversity next](#) (22 October - 25 October 2019) @ Leiden, the Netherlands
- [6th International Plant Phenotyping Symposium](#) (22 - 26 October) @ Nanjing, China
- [6th Annual Wageningen PhD Symposium 2019 - Science with Impact](#) (25 October 2019) @ Wageningen, the Netherlands
- [Workshop Breeding for diversity - opportunities and challenges](#) (30 October 2019) @ Wageningen, the Netherlands
- [TEKNOLOGY - NWO Innovation Festival](#) (7 November 2019) @ Amersfoort, the Netherlands
- [Marine mammal research techniques | 4 week course](#) (4 - 29 November 2019) @ Cape Town, South Africa
- [NWO Life Sciences with Industry workshop 2019](#) (11 - 15 November 2019) @ Lorentz Center Leiden, the Netherlands
- [PLGXXX: Biometrical methods for analysing plant breeding trial data in the omics era](#) (18 - 22 November 2019) @ Alnarp, Sweden
- [SETAC Europe 14<sup>th</sup> Special Science Symposium - Soil Biodiversity: What do we know and how to protect](#) (19 - 20 November 2019) @ Brussels, Belgium
- [Post-graduate course on characterisation, management and exploitation of genomic diversity in animals](#) (9 - 13 December 2019) @ Wageningen, the Netherlands
- [Workshop : Advances in Plant and Food Metabolomics 2019](#) (10 - 11 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
- [Second International Forum on Coral Reefs](#) (13 – 17 December 2019) @ Sanya, China
- [WIAS | PhD course Genotype by environment interaction, uniformity and resilience](#) (3 -7 February 2020) @ Wageningen, the Netherlands
- [WIAS/PE&RC course Resilience of Living Systems - From fundamental concepts to interdisciplinary applications \(May 2020\)](#) (10 - 15 February 2020) @ Wageningen, the Netherlands
- [Netherlands Annual Ecology Meeting 2020](#) (11 – 12 February 2020) @ Lunteren, the Netherlands
- [World Biodiversity Forum 2020](#) (23 – 28 February 2020) @ Davos, Switzerland
- [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
- [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

**20** [Simon Besnard](#)  
**Sep** Wageningen University | Geo-information Science and Remote Sensing  
11:00 "Biosphere-atmosphere CO2 exchange and the importance of ecosystem history Controls of forest age and lag effects on CO2 fluxes from ecosystems"

**30** [Pengfei Zhang](#)  
**Sep** Utrecht University | Ecology & Biodiversity Group  
18:00 Effective predictors of herbaceous plant diversity response to changes in nutrient availability and herbivory

**4** [Kalkidan Mulatu](#)  
**Oct** Wageningen University | Geo-information Science and Remote Sensing  
13:30 Assessing biodiversity in changing tropical forests with emerging technologies

**10** [Juan Ignacio Ramirez Chiriboga](#)  
**Oct** Wageningen University | Forest Ecology and Forest Management  
11:00 Wild ungulates as forest engineers

**16** [Martin Sikma](#)  
**Oct** Wageningen University | Centre for Crop Systems Analysis  
16:00 Quantifying feedbacks in the plant-atmosphere-cloud continuum

**21** [Justin Chileshe](#)  
**Oct** Wageningen University | Genetics  
13:30 Nutrition, health and microbial ecology of traditional fermented foods in Zambia

**23** [Jose Anibal Medina Vega](#)  
**Oct** Wageningen University | Forest Ecology and Forest Management  
16:00 The ecology of lianas and trees in tropical forest canopies

**30** [Rob van Bemmelen](#)  
**Oct** Wageningen University | Resource Ecology Group  
11:00 Seabirds linking Arctic and ocean

**30** [Dennis Tippe](#)  
**Oct** Wageningen University | Centre for Crop Systems Analysis  
13:30 Developing socio-economically acceptable parasitic weed control strategies in rain-fed rice production systems

**8** [Irene Verhagen](#)  
**Nov** Wageningen University | NIOO - Animal Ecology  
11:00 The mechanisms underlying seasonal timing of breeding - a multi-level approach using bi-directional genomic selection on timing of egg-laying

## Calls and other information

### CALLS

- **[NWO The Life Sciences Round Table](#)**  
*The Life Sciences Round Table wants to launch five working groups for the life sciences field.*
- **[European Commission Horizon 2020 Work programmes for 2020](#)**  
*The various work programmes can be found through the link, under Work Programmes > 2018-20 > Main WP.*
- **[Various calls LIFE Environment/Climate action](#)** (deadline: June – September 2019)  
*The call for proposal pages include timetables and application packages, listed by project type and sub-programme (environment or climate action).*
- **[European Research Council Proof of Concept Grant 2019](#)** (deadline: 29 September 2019)  
*Have you already received an ERC grant for your frontier research project and now want to explore the commercial or societal potential of your work? The ERC Proof of Concept Grant could be for you.*
- **[NWO co-operation South Africa-the Netherlands](#)** (deadline: 29 September 2019)  
*NWO and the National Research Foundation of South Africa (NRF) aim to finance and strengthen scientific collaboration between the Netherlands and South Africa.*
- **[VIDI 2019](#)** (deadline: 3 October 2019)  
*Embedding guarantee for Vidi call.*
- **[Travel grant LNVH Distinguished Women Scientists Fund](#)** (deadline: 4 October 2019)  
*Female scientists can benefit from the LNVH Distinguished Women Scientists Fund.*
- **[Science PPP Fund](#)** (deadline: 8 October 2019)  
*The Science PPP Fund offers opportunities for funding of bottom-up public-private partnerships between knowledge institutions and companies within the top sectors Chemistry (incl. BBE), Energy, High-Tech Systems & Materials, Agri & Food and ICT.*
- **[KNAW Heineken Prizes 2020 for currently active scientists and scholars](#)** (deadline: 15 October 2019)  
*Open to young researchers whose outstanding achievements in science and scholarship set an example for other young researchers.*
- **[Heineken Prizes for Arts and Science](#)** (deadline: 15 October 2019)  
*They are intended explicitly for scientists and scholars who are currently active in their field and whose research still holds considerable promise for future innovative discoveries.*
- **[ERC Starting Grant](#)** (deadline: 16 October 2019)  
*ERC Starting Grants are designed to support excellent Principal Investigators at the career stage at which they are starting their own independent research team or programme.*
- **[NWO Dutch Research Agenda - Theme: Ecology & North Sea](#)** (deadline: 24 October 2019)

*This call for proposals calls upon knowledge institutions and other interested parties to develop research projects aimed to provide the missing necessary knowledge concerning the interaction between ecology and the physical aspects of wind farms on the Dutch part of the North Sea.*

- **[Netherlands Polar Programme](#)** (deadline: 25 October 2019)  
*The Netherlands Polar Programme funds scientific research into and in the polar regions. On behalf of the Netherlands, the programme wants to contribute to solutions for fundamental scientific and socio-political issues, such as the consequences of climate change.*
- **[NWO New call for Caribbean research now open](#)** (deadline: 14 November 2020)  
*NWO is seeking two programme chairs who will each set up a multidisciplinary research programme.*
- **[VENI 2020](#)**: (deadline: 9 January 2020)  
*Innovational Research Incentives Scheme Veni is a grant for researchers who have recently obtained their PhD.*
- **[Future For Nature Awards \(FFN\) 2020 Awards](#)** (deadline: Summer 2020)  
*Are you a passionate conservationist with unlimited dedication and willpower to protect species of wild animals and plants? Are you 35 or younger?*
- **[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.*
- **[NIAS Individual Fellowships](#)** (Continuous application)  
*Individual fellowships for scholars with a non-Dutch affiliation, who wish to work on an individual project for 5 or 10 months.*
- **[NIAS co-sponsored Fellowships](#)** (Continuous application)  
*For scholars working in specific disciplines or research areas, NIAS cooperates with co-sponsoring partners to offer fellowships that reach specific disciplines or encourage and support a particular research goal.*
- **[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.*

## **Other information**

- **[PhD registration for education courses](#)**

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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<https://www.linkedin.com/groups/3803510> | <https://twitter.com/PEandRC>