Introduction

The Wyss Academy for Nature and the University of Bern are pleased to announce a symposium presenting the candidates for three professorships in:

- Climate Change Scenarios in Vulnerable Regions
- Integrative Biodiversity Conservation Science
- Co-design of Land Systems

These professorships are being recruited by the University of Bern and will be seconded to the Wyss Academy for Nature to lead highly interdisciplinary research teams. At the same time, the new professors will affiliated to various institutes of the University of Bern and collaborate with its Centres of Excellence such as the Oeschger Centre for Climate Change Research (OCCR), the Centre for Development and Environment (CDE), or the World Trade Institute (WTI).

The candidates are invited to give an oral presentation during the afternoons of the symposium and will then be interviewed during the mornings by the hiring committee, professors of the involved institutes, as well as by lecturers, assistants and students.

Collaborators of the University of Bern are invited to participate to the presentations during the afternoon sessions. The symposium will take place at Hallerstrasse 6 in 3012 Bern. Due to COVID-19 situation, only members of the hiring committee will be able to assist in person while the other members of the audience are invited to follow virtually. Details for the teleconferencing will be available few days before the event under the following link.

https://www.wyssacademy.unibe.ch/careers

For general information on the Wyss Academy, please consult our temporary webpage or the project plan.

Contents

Climate Change Scenarios in Vulnerable Regions .................................................. 1
Integrative Biodiversity Conservation Science ..................................................... 7
Co-design of Land Systems .................................................................................. 13
Climate Change Scenarios in Vulnerable Regions

Tuesday, 27 October 2020

Advertised Position

The Wyss Academy for Nature at the University of Bern is dedicated to shaping sustainable futures for nature and people by strengthening and harmonizing nature conservation, human well-being, and natural resource use in different landscapes around the world. Focusing on interactions between people, land, biodiversity, and climate change, the Wyss Academy will produce path-breaking knowledge for transformation and actively build partnerships between science, policy, civil society, and the private sector to generate concrete solutions from local to global levels. The Wyss Academy for Nature invites applications for an

Open-rank Professorship in Climate Change Scenarios in Vulnerable Regions

Man-made climate change is threatening nature and people. This professorship will focus on the quantification of regional climate change and its feedbacks with ecosystems, biodiversity and people, with a particular emphasis on vulnerable regions. It will model climate and its feedbacks and impacts at the kilometer scale, making use of observational information, to quantitatively estimate climate shifts and variability as well as associated risks for ecosystems, biodiversity, and the supply of water and other natural resources. Integrated in the Wyss Academy the professorship will advance the understanding of the interactions of climate, biodiversity, and natural resources in social-ecological systems, providing actionable scenarios for sustainable livelihoods and nature preservation.

Candidates have their root in physical Earth System Science, specifically climate modelling, preferably on the regional scale, and possess a growing, innovative and interdisciplinary research portfolio. They strive to develop their scientific excellence at the interface between climate science, land use, biodiversity and nature conservation. Embracing a solution-driven approach, applicable to vulnerable regions is an important asset, and so is the commitment to collaborate with the five other new professorships at the Wyss Academy for Nature.

The position is a full time employment (80-100%) at the Wyss Academy for Nature located in Bern, Switzerland and will collaborate closely with the four Regional Stewardship Hubs. It will be affiliated to the division of Climate and Environmental Physics of the Physics Institute at the Faculty of Science and is expected to collaborate with further research groups and centers at the University of Bern, such as the Oeschger Centre for Climate Change Research. Research leaders at the Wyss Academy for Nature are expected to compete for additional third-party funding enlarging their group activity. The start of work is 1 January 2021 or as agreed.

27 OCTOBER 2020 - PRESENTATIONS

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Presenter</th>
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<tbody>
<tr>
<td>13:45-14:00</td>
<td>Welcome by Prof. Dr. Christian Leumann, Rector of the University of Bern</td>
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<tr>
<td>14:00-14:45</td>
<td>Presentations: Climate Change Scenarios in Vulnerable Regions, room 205</td>
<td>Dr. Edouard Davin</td>
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<tr>
<td>15:00-15:45</td>
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<td>Dr. Swen Kotlarski</td>
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<td>15:45-16:10</td>
<td>Break</td>
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<tr>
<td>16:15-17:00</td>
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<td>Dr. Martina Messmer</td>
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<tr>
<td>17:15-18:00</td>
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<td>Dr. Anders Ahlström</td>
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<tr>
<td>18:15</td>
<td>Dinner with all candidates (Climate Change Scenarios in Vulnerable Regions)</td>
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28 OCTOBER 2020 - INTERVIEWS

<table>
<thead>
<tr>
<th>Time</th>
<th>Interview安排</th>
<th>Hiring Committee, room 205</th>
<th>Institute and centers, room 203</th>
<th>Lecturers, assistants, and students, Anna-Nussbaumb auditorium, W1 (ground floor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-09:20</td>
<td></td>
<td>Dr. Davin</td>
<td>Dr. Kotlarski</td>
<td>Dr. Messmer</td>
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<tr>
<td>09:30-10:20</td>
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<td>Break</td>
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<tr>
<td>10:50-11:40</td>
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<td>Dr. Messmer</td>
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<td>Dr. Kotlarski</td>
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<tr>
<td>12:40-13:45</td>
<td>Lunch</td>
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CANDIDATES

Dr. Anders Ahlström
Born 14.02.1983


2013: PhD in Geobiosphere Science, with specialization in physical geography and ecosystems analysis. Thesis: Terrestrial Ecosystem Interactions with Global Climate and Socio-Economics.

2008: Master of Science (Fil. Mag.) Physical geography, Lund University.

Current Position: Associate senior lecturer (Assistant professor) at the Institute for Atmospheric and Climate Science, ETH Zurich

Most important Research Projects:
1. Global carbon and water variations
2. Pristine forests and land use change
3. Deep water and ecosystem resilience

Publications:


Dr. Édouard L. Davin
Born 09.07.1981


2003–2004: Master in soil-biosphere-atmosphere interactions at the Institut National Agronomique (now AgroParisTech), Paris, France

2001–2003: Bachelor and Master in Earth Sciences École Normale Supérieure, Paris, France

Current Position: Permanently appointed Executive Scientific Collaborator level 2 at the Institute for Atmospheric and Climate Science, ETH Zurich

Most important Research Projects:
1. Climate impacts of utilizing land in Switzerland and Europe (CLIMPULSE), funded by SNSF
2. Impacts of forest management in Switzerland; funded by BAFU
3. Computing Grant at the Swiss National Computing Center (CSCS)

Publications:


Dr. Sven Kotlarski
Born 08.04.1975


Current Position:
Team Leader "Climate Evolution" at the Federal Office of Meteorology and Climatology MeteoSwiss.

Most important Research Projects:
1. HEAT-SHIELD - Integrated inter-sector framework to increase the thermal resilience of European workers in the context of global warming.
2. CH2018 Climate Scenarios for Switzerland.
3. VALUE - Validating and Integrating Downscaling Methods for Climate Change Research.

Publications:


Dr. Martina Messmer
Born 20.06.1987

2017: PhD in Climate Science University of Bern, Switzerland.

2013-2017: PhD Studies in Climate Science University of Bern, Switzerland.

2010-2013: MSc. in Environmental Science, ETH Zurich, Switzerland

2007-2011: BSc. in Environmental Science ETH Zurich, Switzerland

Current Position:
Postdoctoral researcher at Climate and Environmental Physics, University of Bern

Most important Research Projects:
1. Extratropical cyclone-driven compound wind and precipitation extreme events: a global quasi-lagrangian perspective
2. Clouds, Precipitation, and Boundary Layer Characteristics in Subantarctic Mesoscale Cyclones

Publications:


Integrative Biodiversity Conservation Science

Wednesday 28 October 2020

Advertised Position

The Wyss Academy for Nature at the University of Bern is dedicated to shaping sustainable futures for nature and people by strengthening and harmonizing nature conservation, human well-being, and natural resource use in different landscapes around the world. Focusing on interactions between people, land, biodiversity, and climate change, the Wyss Academy is producing path-breaking knowledge for transformation and actively building partnerships between science, policy, civil society, and the private sector to generate concrete solutions from local to global levels. The Wyss Academy for Nature invites applications for an

Open-rank Professorship in Integrative Biodiversity Conservation Science

Pressures on biodiversity, natural habitats and protected areas are increasing, despite various conservation policies and measures, and they are compromising human wellbeing. This professorship will focus on the generation of conservation-relevant biodiversity knowledge and the deployment of innovative approaches that reconcile the needs to halt biodiversity losses with the promotion of local socio-economic development in the Wyss Academy’s Regional Stewardship Hubs. The research will use empirical methods, such as survey, comparative, or modeling approaches, accounting for climate change and land-use scenarios. It will take a multifunctional and multi-stakeholder perspective toward promoting co-benefits for nature and people and providing actionable pathways for the inclusive stewardship of biodiversity, land, and climate.

Candidates have their roots in Conservation Science, a strong background in biodiversity research and applied conservation issues, and they possess a growing, innovative and interdisciplinary research portfolio. They strive to develop scientific excellence at the interface between biodiversity conservation, sustainable land use, mitigation of and adaptation to climate change. Embracing solution-driven approaches, especially for vulnerable regions, is an important asset and so is the commitment to collaborate with the five other new professorships at the Wyss Academy for Nature.

The position is a full time employment (80-100%) at the Wyss Academy for Nature located in Bern, Switzerland and will collaborate closely with the four Regional Stewardship Hubs. It will be affiliated to the Institute of Plant Sciences and the Institute of Ecology and Evolution at the Faculty of Science and is expected to collaborate with further research groups and centers at the University of Bern. Research leaders at the Wyss Academy for Nature are expected to compete for additional third-party funding enlarging their group activity. The start of work is 1 January 2021 or as agreed.

### 28 OCTOBER 2020-PRESENTATIONS

<table>
<thead>
<tr>
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<td>13:45-14:00</td>
<td>Welcome by Prof. Christian Leumann, Rector of the University of Bern</td>
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<td>Dr. Liliana Davalos</td>
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<tr>
<td>15:00-15:45</td>
<td>Dr. Graham Prescott</td>
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<tr>
<td><strong>Break</strong></td>
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<tr>
<td>16:15-17:00</td>
<td>Dr. Margaret Owour</td>
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<tr>
<td>17:15-18:00</td>
<td>Dr. Rodrigo Cámara</td>
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<tr>
<td>18:15</td>
<td>Dinner with all candidates (integrative Biodiversity Conservation Science)</td>
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### 29 OCTOBER 2020-INTERVIEWS

<table>
<thead>
<tr>
<th>Time</th>
<th>Hiring Committee, room 205</th>
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<tr>
<td><strong>Lunch</strong></td>
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Dr. Liliana Dávalos
Born 26.11.1973

Current Position:
Research, teaching, service in Tropical biology and policy at the Stony Brook University.

Most important Research Projects:
1. Regrowing the brain: evolution and mechanisms of seasonal reversible size changes in a mammal
2. Dimensions: Collaborative Research: Discovering genomic and developmental mechanisms that underlie sensory innovations critical to adaptive diversification
3. NRT–DESE: Interdisciplinary Graduate Training to Understand and Inform Decision Processes Using Advanced Spatial Data

Publications:

Dr. Graham Prescott
Born 29.05.1988
2009–2010: MSc, Integrative Bioscience.

Current Position:
Post-doc, project coordinator with the research topic: Mountain Biodiversity for the SDGs, at the Institute of Plant Sciences, University of Bern

Most important Research Projects:
1. Mountain biodiversity for the SDGs
2. Deforestation in Myanmar
3. Effects of land-use change, landscape configuration, and management practice on biodiversity in tropical agricultural landscapes

Publications:
Prescott G.W., et. al. (2017) Political transition and emergent forest-conservation issues in Myanmar. Conservation Biology 31:1257-1270
Dr. Margaret Owour

Born 10.05.1980


2014: MSc. Fisheries Science, Kenyatta University, Nairobi, Kenya.

2009: MSc. Water and Coastal Management, University of Plymouth, University of Cadiz.


Current Position:

Lecturer in integrative Biodiversity Assessment of the Impact of human activity on aquatic and terrestrial and ecosystem services; Community involvement in conservation. At the South Eastern Kenya University.

Most important Research Projects:

1. Mapping of the flow of mangrove forest ecosystem services using participatory approaches in Mtwapa Creek Kenya.
2. Quantification and assessment of biodiversity and ecosystem services
3. Rufford Small Booster Grant

Publications:


Dr. Rodrigo Cámara

Born August 30, 1983

2014: PhD. Thesis in Biology, Universidad Autónoma de Madrid, Spain

2010: MSc. Biodiversity in Time and Space, Leiden University, the Netherlands

2007: BA Biology, Universidad Complutense de Madrid, Spain

Current Position:

Postdoctoral Fellow in socio-ecological networks at the University of Zurich

Most important Research Projects:

1. Tropical important plant areas in New Guinea
2. Building the New Guinea research team
3. Palm distribution responses to soil nutrients in the Amazon

Publications:


Co-design of Land Systems

Thursday 29 October 2020

Advertised Position

The Wyss Academy for Nature at the University of Bern is dedicated to shaping sustainable futures for nature and people by strengthening and harmonizing nature conservation, human well-being, and natural resource use in different landscapes around the world. Focusing on interactions between people, land, biodiversity, and climate change, the Wyss Academy will produce path-breaking knowledge for transformation and actively build partnerships between science, policy, civil society, and the private sector to generate concrete solutions from local to global levels. The Wyss Academy for Nature invites applications for an

Open-rank Professorship in Co-design of Land Systems

Land systems hold the key for addressing the triple challenge of improving human well-being while halting biodiversity loss and mitigating and adapting to climate change. This professorship will address the stewardship and use of land in the contexts of global change in view of co-designing concrete pathways to reconcile demands of nature and people in the Wyss Academy’s Regional Stewardship Hubs. This will yield knowledge on spatio-temporal land-system dynamics, on ecosystem-service providers and beneficiaries, and related winners and losers. Special consideration will be given to telecoupled land demands, the interactions between actors of unequal power and levers for sustainability transformations. Research will use empirical methods, such as comparative, survey or modeling approaches, and will engage with multiple stakeholders in co-design of future scenarios and exploring pathways towards multifunctional landscapes for nature and people.

Candidates have their roots in land system science or related fields. Based on a background in understanding spatio-temporal dynamics of land systems and of multifunctional landscapes in their wider context, they are able to empirically study links of land systems with climate change, biodiversity, and human well-being. They have experience in working with economic, institutional, and technological levers within and beyond local land systems. They apply transdisciplinary approaches for co-designing and testing concrete solutions with multiple stakeholders in regions of the global South. The leader of the research team must be willing to collaborate closely with five other new professorships at the Wyss Academy for Nature.

The position is a full time employment (80-100%) at the Wyss Academy for Nature located in Bern, Switzerland and will collaborate closely with the four Regional Stewardship Hubs. It will be affiliated to the Institute of Geography at the Faculty of Science and expected to collaborate with further research groups and centers at the University of Bern, such as the Centre for Development and Environment. Research leaders at the Wyss Academy for Nature are expected to compete for additional third-party funding enlarging their group activity. The start of work is 1 January 2021 or as agreed.

29 OCTOBER 2020-PRESENTATIONS

<table>
<thead>
<tr>
<th>Symposium - room 205, Hallerstrasse 6, 3012 Bern</th>
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<tbody>
<tr>
<td>13:45-14:00 Welcome by Prof. Dr. Christian Leumann, Rector of the University of Bern</td>
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<tr>
<td>14:00-14:45 Dr. Felicia Olufunamila Akinyemi</td>
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<td>15:00-15:45 Dr. Tobias Kümmerle</td>
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<tr>
<td>Break</td>
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<tr>
<td>16:15-17:00 Dr. Julie Zähringer</td>
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<tr>
<td>17:15-18:00 Dr. Maria Felipe-Lucia</td>
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<tr>
<td>18:15 Dinner with all candidates (Co-design of Land Systems)</td>
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</table>

30 OCTOBER 2020-INTERVIEWS

<table>
<thead>
<tr>
<th>Interviews – Hallerstrasse 6, 3012 Bern</th>
</tr>
</thead>
<tbody>
<tr>
<td>08:30-09:20 Hiring Committee, room 205</td>
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<tr>
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<tr>
<td>10:20-10:45 Break</td>
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<tr>
<td>10:50-11:40 Dr. Zähringer</td>
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<tr>
<td>11:50-12:40 Dr. Felipe-Lucia</td>
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<tr>
<td>12:40-13:45 Lunch</td>
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Friday 30 October 2020-CONCLUSION

<table>
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<tr>
<th>Conclusions and Wrap up</th>
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<tr>
<td>14:00-15:45 Room 205</td>
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<tr>
<td>15:45-16:10 Break</td>
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<tr>
<td>16:15-17:00 Chairpersons of groups report back to hiring committee</td>
</tr>
<tr>
<td>17:15-19:00 Conclusion by Hiring Committee</td>
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</tbody>
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**Dr. Julie Gwendolin Zähringer**

Born 29.08.1985

**2016-ongoing**: Habilitation, Centre for Development and Environment, University of Bern, CH.


**2007-2010**: MSc in Environmental Sciences, Swiss Federal Institute of Technology (ETH), Zurich, CH

**2003-2006**: BSc in Biology, University of Zurich, CH.

**Current Position:**
Senior Research Scientist. Postdoc, Sustainability impacts of global land use changes at the Centre for Development and Environment, University of Bern.

**Most important Research Projects:**
1. Managing Telecoupled Landscapes for the Sustainable Provision of Ecosystem Services and Poverty Alleviation
2. Governance processes and sustainability impacts of the extractive industries: Generating transformation knowledge in the biodiversity hotspot of Madagascar
3. Landscape stewardship for nature and people in Madagascar

**Publications:**


**Dr. Maria Felipe-Lucía**

Born 07.10.1986

**2010-2015**: PhD, Thesis: Analysis of ecological and social interactions along the flow of ecosystem services. Suggestions for the management of the River Piedra floodplain. Instituto Pirenaico de Ecología (IPE-CSIC) and Universidad Pablo de Olavide, Sevilla, Spain.


**2004-2009**: BSc (Hons) Environmental Sciences, Universidad de León, Spain.

**Current Position:**
Senior Scientist / Group leader in Ecosystem Service Change, at the Helmholtz Centre for Environmental Research, Leipzig.

**Most important Research Projects:**
1. Effects of land management on the Supply and Distribution of ecosystem services (ESuDis).
2. INTERCEDE – Interactions of Farmland Biodiversity and Agricultural Ecosystem Services under Climate Change.
3. Biodiversity Exploratories: Synthesis Core-project

**Publications:**


Dr. Felicia Olufunmilaj Akinyemi

Born 07.11.1970

2011- present: GISP, GIS Certification Institute, USA

2004-2007: Postdoctoral Research Fellow, Institute of Cartography and Geoinformatics (IKG)

1996-2002: PhD in Geography, University of Lagos, Nigeria. Thesis: Poverty appraisal at household level in Ibadan metropolis using GIS techniques

1993-1995: MSc in Geography and Planning at the University of Lagos, Nigeria.

1987-1991: BSc Honours in Geography, University of Benin, Nigeria.

Current Position
Research associate on Land-use change and the resilience of food production systems, at the University of Bern.

Most Important Research Projects
1. Land-use change and the resilience of food production systems
2. Remote Sensing based estimation of national level Land Degradation Neutrality baseline for Botswana
3. Monitoring land degradation in the Central District of Botswana: A three-tier land degradation index mapping approach (LDI Mapping)

Publications


Dr. Tobias Kümmerle

Born March 19, 1976


1997-2003: Diplom in Applied Environmental Sciences Remote Sensing Department, University of Trier, Germany.

Current Position
Full professor for conservation biogeography, head of research group at the Huboldt-University Berlin

Most Important Research Projects
1. Pathways to sustainable land management in Northern Argentina
2. Trade-offs between agriculture and biodiversity conservation in the South American Chaco
3. Visions of Land Use Transitions in Europe

Publications

