

Welcome mail

Blended Intensive Programme (B.I.P.) at HNE Eberswalde

'Perspectives and Challenges of Forest Landscape Restoration (FLR)'

Dear students and colleagues!

Welcome to the Blended Intensive Programme (B.I.P.) ***Perspectives and Challenges of Forest Landscape Restoration.***

I. Blended intensive programmes...

... are **short, intensive programmes** that use innovative ways of learning and teaching, including the use of online cooperation. The programmes may include challenge based learning where transnational and transdisciplinary teams work together to tackle challenges for example those linked to the United Nations' sustainable development goals or other societal challenges identified by regions, cities or companies. The intensive programme should have added value compared to existing courses or trainings offered by the participating HEIs and can be multiannual. By enabling new and more flexible mobility formats that **combine physical mobility with a virtual part**, blended intensive programmes aim at reaching all types of students from all backgrounds, study fields and cycles ([Blended Intensive Programmes - Erasmus+ & European Solidarity Corps guides - EC Public Wiki](#)).

II. Topic, background and learning objectives of the B.I.P.

Forest Landscape Restoration (FLR) is the process of regaining ecological functionality and enhancing human well-being across deforested or degraded forest landscapes. The FLR approach seeks to balance different values/functions at the landscape scale such as water regulation, wildlife habitat, and biodiversity or carbon storage. For a more detailed vision of FLR and its current relevance, the failure & success factors see Stanturf et al., 2015, Stanturf & Mansourian, 2020; Höhl et al. 2020).

The objectives of the course are: to learn about...

- The terminology on FLR
- The nature of forest loss and degradation
- Restoration approaches and techniques in different forest biomes
- Governance of restoration
- Case studies from different continents

For a detailed module description, see the application form in the ANNEX.



Figure 1 a-d. **a** New afforestation of Scots pine and lime on a recently exploited open cast mine at Senftenberg (Brandenburg, Germany); **b** Old restoration stand with mixed species (90 years old), Laubusch (Sachsen, Germany); **c** Pine afforestation in a degraded landscape (semi-desert) in South Brazil (photo: M. Schumacher, UFSM); **d** restored protection forest in Namche Bazar (Nepal).

III. Schedule and venue (see also Moodle environment: <https://lms.hnee.de/course/view.php?id=3869>)

The programme of the BIP course consists of an online introduction part before the course in presence (for the students!). During the course, the lectures will be given online as well as in presence.

The online link for the guest lectures in the course is: <https://bbb.hnee.de/b/pet-bdv-5ad-gwu>

For the course 4 ECTS will be given as credits.

Programme (slight changes are still possible):

B.I.P. Perspectives and Challenges of Forest Landscape Restoration; online link: https://bbb.hnee.de/b/pet-bdv-5ad-gwu						
online part	Monday 19.5.	Tuesday 20.5.	Wednesday 21.5.	Thursday 22.5.	Friday 23.5.	
8:30-12:00						
Lunch						
18:00-20:00		Introduction into the BIP course (PS)	Forestry in Germany, incl. VFT (PS)	Introduction into Continuous-Cover Forestry (PS)		
presence course	Monday 26.5.	Tuesday 27.5.	Wednesday 28.5.	Thursday 29.5.	Friday 30.5.	
8:30-12:00	1a - KEYNOTE Introduction into FLR (JS); Restoration of damaged pure age-class forests (PS); <i>issue of BIP attestation (canteen)</i>	2a - Cultivating Resilience: Leveraging Forest Ecosystem services to foster sustainable land use (KS); Restoration of tropical drylands (RM)	3a - Forest restoration challenges in the Czech Republic (RP)	4a - Excursion Chorin: Continuous-Cover Forestry, storm damages, Climate-Smart Forestry	5a - Optimising ecosystem functions in a densely populated agricultural country - the potential of sustainable forest management in the Netherlands (USK)	calendar week 23 Online wrap up and feedback on BIP (PS + Int.Off.)
Lunch						
14:00-16:00	1b - Restoration & valuable timber with <i>Betula pendula</i> (SH)	2b - Rehabilitation of overlogged tropical forests (PvdM); Sustainable palm oil in Indonesia (PvdM)	3b - Restoration of American chestnut in the Southern Appalachians, USA (SC); Ecological mangrove restoration and case study from India (MR)		5b - Restoration and climate change adaptation: political implications and lessons learnt (AB); <i>IO: information and issue confirmation of stau</i>	
	social event 1: Old Forest Academy (city campus)			social event 2: Italian restaurant 'La Gondola'		
featuring in BIP						
John Stanturf (JS)	Peter van der Meer (PvdM)	Radek Pokorny (RP)	Ute Sass-Klaassen (USK)			
Peter Spathelf (PS)	Katharina Stein (KS)	Stacy Clark (SC)	Andreas Bolte (AB)			
Sebastian Hein (SH)	Ralph Mitloehner (RM)	Marle Rode (MR)				

Some additional information on the venue:

- Venue: HNEE 'Waldcampus', Alfred-Möller-Strasse 1, 16225 Eberswalde, Germany (room tbc, canteen building, Haus 17); https://www.hnee.de/fileadmin/global-content/themen/hochschule/standorte/202309_HNEE_Lageplaene_Beschriftung_WaCa.jpg

- Accomodation:

<https://www.pension-altesforstamt.de/> (some rooms are reserved) or ask Bildungswerk Buckow; Yv.kriependorf@bebuckow.de, +49 03334289653)

Or: [Die 10 besten Hotels in Eberswalde-Finow \(Ab € 80\)](#)

- Unique opportunity weekend (30.5.-1.6.) Berlin [Berlin Tourist Infos | visitBerlin.de](#)

IV. Lecturers

John Stanturf



Dr. John Stanturf is a world-renowned forest restoration specialist and acting currently as Visiting Professor at the Chair of Forest Management Planning and Wood Processing Technologies at the Estonian University of Life Sciences in Tartu. At InNovaSilva, he has the lead on forest restoration. The mission of InNovaSilva is to advance and improve sustainable management and restoration of forests and forest landscapes challenged by climate change by innovating through applied research and development. John retired (January 2018) as Senior Scientist with the US Forest Service, Center for Forest Disturbance Science, Athens, GA where he was the Project Leader from 2000 to 2012. He served in a similar position at the Center for Bottomland Hardwoods Research in Stoneville, MS for 8 years. Professional experience includes manager of pine silviculture research, Union Camp Corp. and faculty positions at Penn State, University of Pittsburgh, and Cornell University. Current research interests are functional restoration of degraded forests; incorporating disturbance and risk into forest management; climate change adaptation; and short-rotation woody crops. John Stanturf has conducted research in temperate and tropical forests in North and South America, Europe, and Asia and recent work on REDD+ and biodiversity conservation in Africa is as a consultant to USAID. Scientific output includes 85 refereed scientific papers, books and book chapters, 63 other reviewed papers, and numerous reports, including editing three books on forest restoration. Among other awards, he was honored to receive an Honorary Doctorate from the Estonian University of Life Sciences. Moreover, he received the Honor Award for Distinguished Science from the Chief, US Forest Service.

Peter Spathelf



Dr. Peter Spathelf is Professor for applied silviculture at Eberswalde University for Sustainable Development (HNEE). He studied forestry sciences at Freiburg University, after which he entered the state forest service of the federal state of Baden-Württemberg. He holds a PhD from the Institute for Forest Growth (University of Freiburg). From 1998 until 2001 he was a lecturer of the German Academic Exchange Service (DAAD) at the Brazilian Federal University of Santa

Maria. He was Dean of the Faculty of Forest and Environment at HNEE from 2016-2019 and is currently in charge of climate change and forest adaptation with the German Forestry Association (Deutscher Forstverein).

Sebastian Hein



Dr. habil. Sebastian Hein is Professor for silviculture & forest growth and yield at Rottenburg University of Applied Forest Sciences (HFR). He studied forest sciences at Freiburg University and entered the state forest service of the Bavaria. He holds a PhD from the Institute for Forest Growth (University of Freiburg). In 2023 he got an appointment as prof. invité at AgroParisTech ENGREF&INRAE/ Nancy France and was interim-prof. at University of Wisconsin Stevens-Point/ US. His research topics funded from DE/ EU projects are International & Close(r)-to-Nature Forest Management (Japan, Spain, Greece, France, Statistical Modeling of Forest Growth and Wood Quality in Broadleaves and Conifers (also habilitation), Continuous Cover Forestry cf. www.360.de/plenterwald and www.360.de/eichenwald etc.. He is member of BW-Car/ Center of Excellence in the state of BW since 2020, publ.: <https://www.researchgate.net/profile/Hein-Sebastian> .

Peter van der Meer



Dr. Peter van der Meer is Professor for tropical forestry at Van Hall Larenstein, University of Applied Sciences (Velp, the Netherlands). Peter is an internationally experienced lecturer and leading scientist working on sustainable use of tropical forest landscapes, including oil palm plantations and peat forest areas. He holds a broad knowledge of the social, economic, and ecological aspects of sustainable use of goods and services of forested ecosystems, including value chain development of agricultural commodities. He is leading several international projects on sustainable use of forest areas in Indonesia, Malaysia, India, China and Suriname and has a strong record of over 140 publications in journals and international conferences.

Katharina Stein



Dr. Katharina Stein is Professor for Botany, Dendrology and Plant Ecology at Eberswalde University for Sustainable Development (HNEE). She studied Biology at University of Leipzig, and holds a PhD from the University of Halle/Wittenberg. For her Master and PhD, she carried out basic research on plant reproductive ecology in the Atlantic Coastal Rainforest of Brazil. As Post-Doc (University of Wuerzburg and Rostock), she studied bee pollination of cash crops and the impact of savanna degradation in Burkina Faso, West Africa from 2012-2017 and also was the curator of the Botanical Garden Rostock. After parental leave in 2018/2019, she worked as managing director and later course coordinator at the Centre for International Postgraduate Studies of Environmental Management for experts from the Global South (UNEP/UNESCO/BMUV Program) at Dresden University of Technology for 3 years. Before joining HNEE as professor, she was a lecturer of Botany and researcher at Potsdam University with field work on carbon storage in trees/shrubs in Zambia and Namibia.

Ralph Mitloehner



Dr. Ralph Mitlöhner studied Forestry Sciences of the Temperate Zones at the University of Goettingen. His enthusiasm developed further to the field of tropical and subtropical silviculture as a biologically fixed technology. As Professor he works and researches on complex natural forest ecosystems in South America, Africa, Asia, and Oceania with a focus on tree responses to sites both in dry and moist climates. His concepts are widely applicable and improve strategies and planning tools for protected area & buffer zone management, post-mining reclamation, and forest landscape restoration.

Radek Pokorny



Dr. Radek Pokorný is Professor for Silviculture and deals with forestry in the field of forest cultivation, stand structure, carbon forestry, forest water balance and adaptation measures in the context of climate change. In the long term, he is more specifically concerned with the phenology, morphology and eco-physiology of forest tree species, focusing on the spatial and temporal allocation of growth, stand water balance and transpiration of trees in relation to habitat conditions.

Stacy Clark



Dr. Stacy Clark has been a Research Forester with the USDA Forest Service, Southern Research Station since 2005. She is based in Knoxville, Tennessee USA on The University of Tennessee's Agriculture campus where she is Adjunct Assistant Professor. She earned a PhD from Oklahoma State University where she studied stand dynamics of old-growth oak (*Quercus*) forests. With the Forest Service, she has developed research programs designed to assist forest managers with restoration of upland hardwood forests through silvicultural practices including artificial regeneration (planting). Her research interests span the life cycle of the oak tree from acorns to old-growth and to the whiskey barrel. She currently leads research projects on American chestnut (*Castanea dentata*) restoration and artificial regeneration of white oak (*Q. alba*) and northern red oak (*Q. rubra*).

Marle Rode



Marle Rode studied International Forest Ecosystem Management at the University for Sustainable Development Eberswalde. She recently completed a research internship in the mangrove forests of the Indian Sundarbans with the Department of Environmental Science at the University of Calcutta, where she explored different methods of mangrove restoration.

Ute Sass-Klaassen



Dr. Ute Sass-Klaassen is a Professor of applied sciences for sustainable forest management at Van Hall Larenstein University of Applied Science, Velp, The Netherlands (HVHL). She studied Wood Science and Technology at Hamburg University and holds a PhD on Tree biology and Dendrochronology from Hamburg University, Germany. After working in post-doc positions on (tropical) tree-ring research in Hamburg and Tucson, Arizona, she moved to the Netherlands to work on archaeological applications of wood sciences and tree-ring research. From 2003 to 2023, she worked as associate professor in international projects on forest ecology, tree biology and effects of climate change on European forests. In 2023, she works as professor of applied sciences on sustainable forest management with focus on drought effects on European tree species, forest restoration, forest productivity, wood quality and bio-based building. <https://www.researchgate.net/profile/Ute-Sass-Klaassen>

Andreas Bolte



Dr. Andreas Bolte is head of the German Federal Thuenen Institute for Forest Ecosystems at Eberswalde and Professor for forest ecology at Göttingen University. He is involved in a variety of research projects on drought stress of trees, climate change adaptation of forests, ecology of European beech and Forest Landscape Restoration. He is leading a IUFRO task force on 'Forest Adaptation and Restoration under Global Change' and is currently head of the German association of forest research institutes.

If you have any questions, please feel free to ask me (Peter.Spathelf@hnee.de; 0160 3564003).

We are very much looking forward to meeting you soon.

P. Spathelf, January 20, 2025