

HAWK

HOCHSCHULE

FÜR ANGEWANDTE WISSENSCHAFT UND KUNST

Hildesheim/Holzminden/Göttingen

www.hawk.de

Engagieren Erhalten

Verstehen

Entwerfen

Aktivieren

Bauen Fühlen

Denken Handeln

Managen

Erleben Helfen

Unterstützen

Entwickeln Leben

Kommunizieren

Fördern

Lernen Gestalten

Gründen Betreuen

Prüfen

Designen Erfinden

Entfalten

Erweitern Konservieren

Konstruieren

Erkennen

Verändern Vorangehen

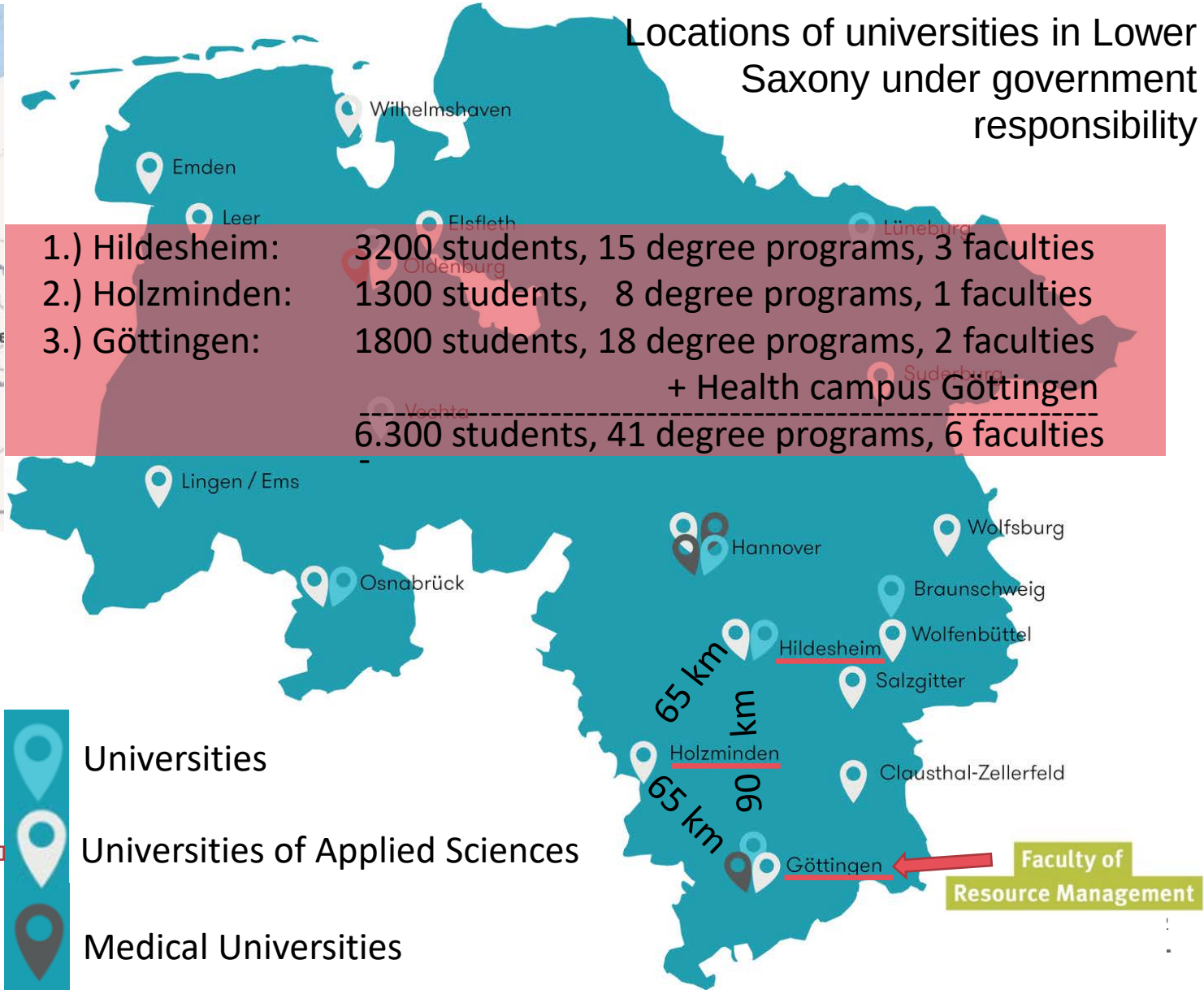
Restaurieren Weiterdenken

Begründen

Prof. Dr. Helge Walentowski, Dean of the Faculty of Resource Management



Three locations in the southern part of Lower Saxony



Academics and teaching

Our courses of study are distinguished by virtue of their orientation towards practice as well as their innovative and multidisciplinary approach.

BRANDING

Our graduates are “mature personalities” with excellent **integrated management skills** in ecology, economics and engineering as well as **people skills**



Their competences and ideas are urgently needed in the **current climate and resource protection debate** as well as for cultural and economic change



**SUSTAINABLE
DEVELOPMENT GOALS**

bachelor programmes

The Faculty of Resource Management offers **four Bachelor courses**, three of them last six semesters, Forestry dual lasts 7 semesters:

1.) BSc Forestry (3Y Pr) our beginnings and our flagship product *„updated traditional“*
land use and resource conservation, business management,
forest assessment, forest education, tourism, forest
surveys and **climate change management**



2.) BSc Forestry dual (3.5Y Pr) *„new cooperation model“*
specifics: framework contract; the students are **salaried employees** of an approved
company during the whole period of the degree course



bachelor programmes

3.) BSc Arboriculture (3Y Pr)



focuses on urban grove and habitat evaluation, maintenance, planning, and development of urban green space, as well as **tree risk assessment**

4.) BEng Business Administration and Engineering (3.5Y Pr)



merger between engineering (manufacturing or power engineering) and business administration (logistics or marketing or quality management), new corporate strategies (**change management, sustainable development**)



master programmes

Cutting-edge portfolio Solutions for Culture and Economic transformation

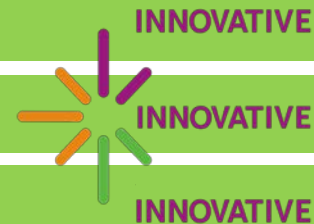


1.) MA Regional Management and Business Development (2Y Pr)

2.) MEng Renewable Resources and Regenerative Energies (2Y Pr)

3.) MEng Business Administration and Engineering (1.5Y Pr)

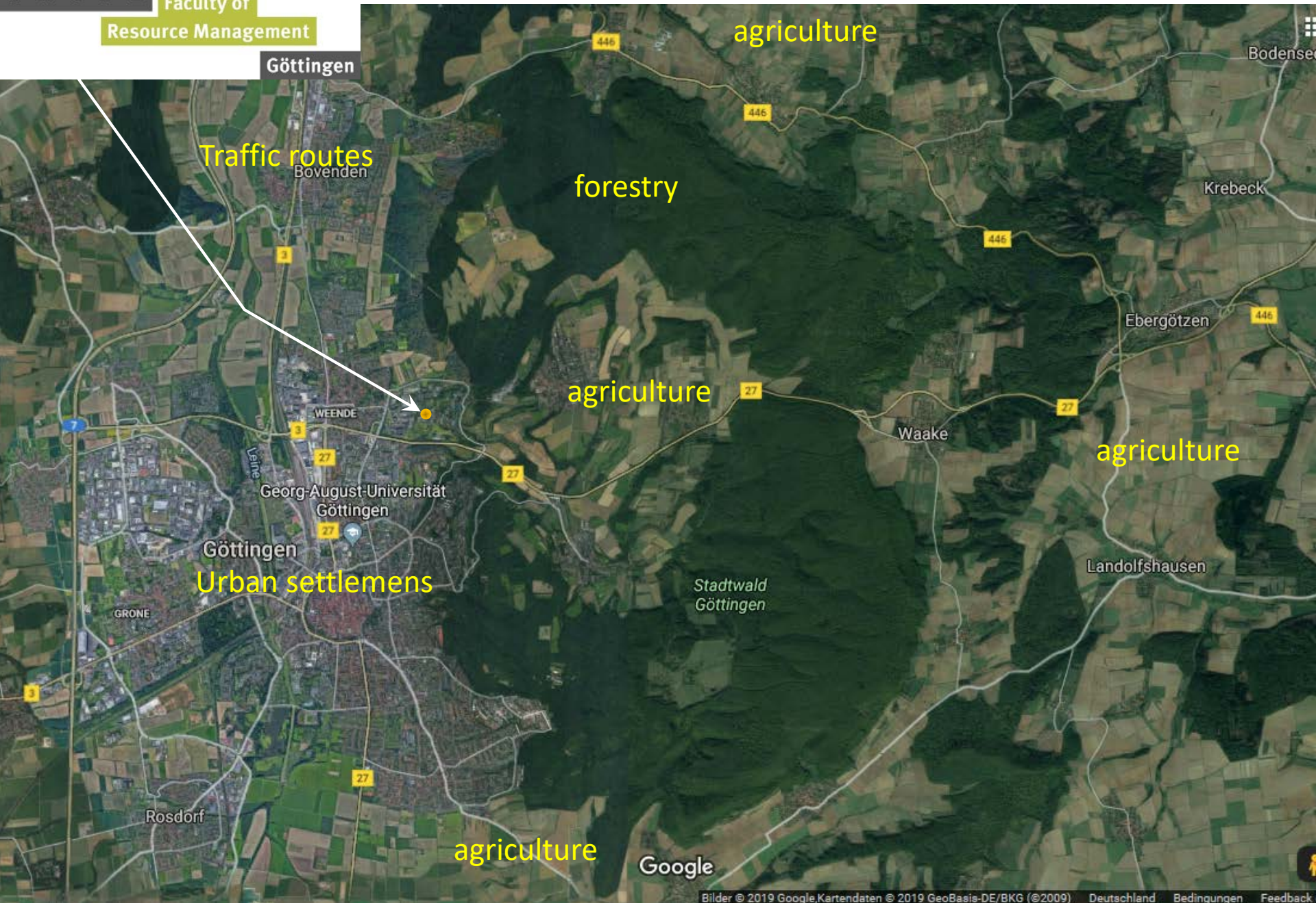
4.) MSc Urban Tree and Forest Management (2Y Pr)



an additional Master of Forestry (2Y Pr) is currently under development



perfectly located at the interface of urban and rural landscapes



outdoor facilities

Botanical gardens (in property of the Georg-August-Universität Göttingen)

1.) Forest Botanical Garden (40 ha, established in 1970)

Around 2000 species of trees and shrubs are growing in the Garden.

2.) Experimental Botanical Garden (36 ha, established in 1967)



Hunter Training Areas (practice ranges)

1.) Bovenden (183 ha); 2.) Hann-Münden (308 ha); 3.) Göttingen City Forest (130 ha)

Indoor facilities

State-of-the-Art Laboratories

- 1.) Laboratory for fuel, biomass, soil & environmental analysis
- 2.) Laboratory of Botany
- 3.) Plant Pathology & Mycology Lab
- 4.) Lab of Remote Sensing and GIS
- 5.) **NEW – currently in preparation:** Innovation Lab for Factory and Business Process Management (IFP)



Venison Processing Facilities



doctoral study course

With the **HAWK doctoral research program**, the HAWK promotes and qualifies its doctoral candidates, who cooperate with national and foreign universities to prepare their dissertations or to do their cumulative doctoral studies.

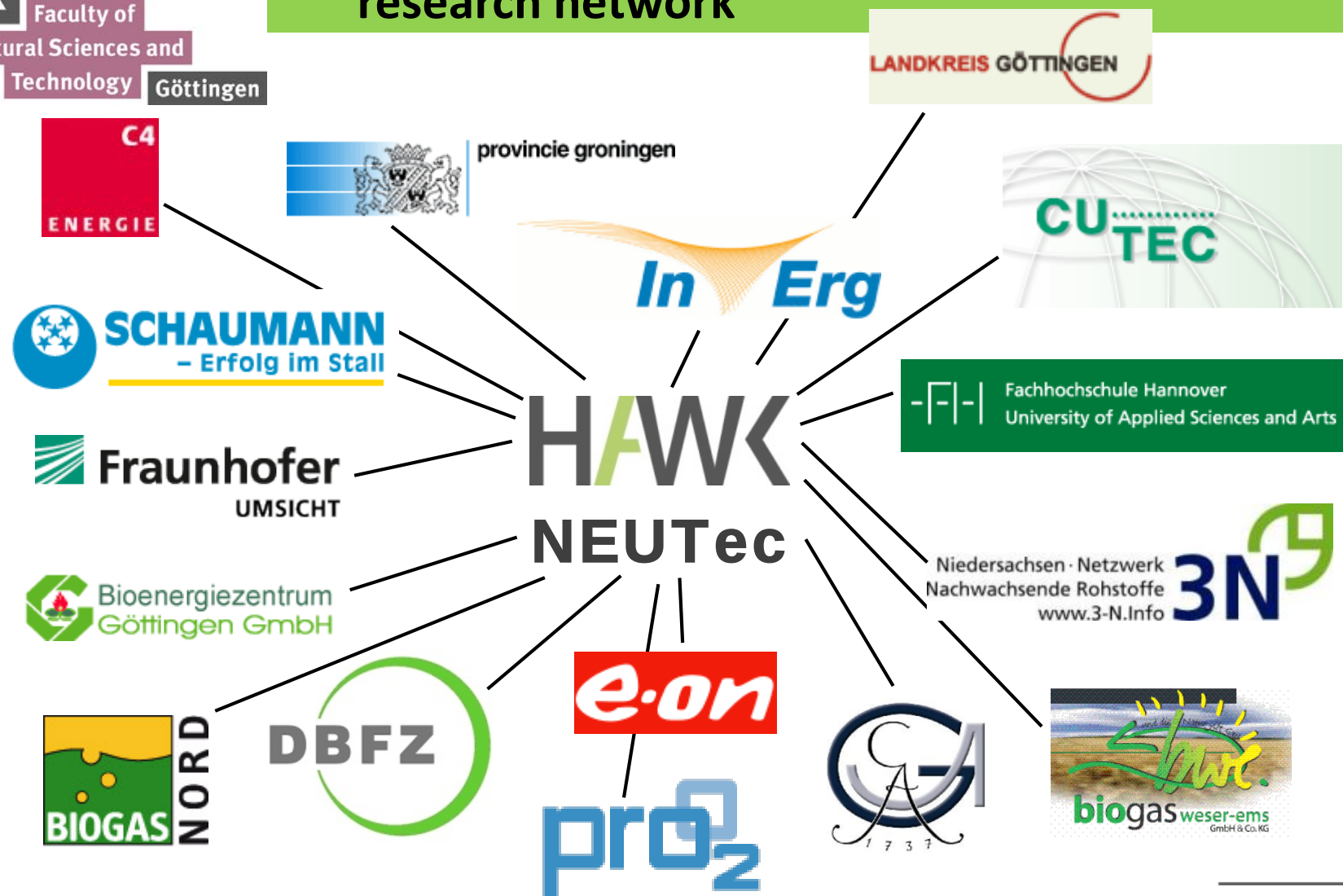
(currently 59 HAWK doctoral candidates,
8 of them at our faculty)



Research

Department of Sustainable
Energy and Environmental
Technologies NEUTec

research network





- broadly positioned and outstandingly well networked ✓
- several research-active professors ✓
- several doctoral candidates ✓
- successful in acquiring third party funded projects ✓
- successful research output (peer reviewed open access publications) ✓
- successful research transfer ✓

Faculty Research Priorities focus on two areas

1. social and economic processes of integrated urban and regional development (in the face of demographic change)
2. sustainable production and use of biogenic raw materials (-> example 2.1 and 2.2)

example 2.1



Ansicht Chronik Lesezeichen Extras Hilfe

nemorale Wälder x NEMKLIM – Projektblog der Fakultät x +



blogs.hawk-hhg.de/nemklim/en/nemklim-nemoral-forests-under-climate-extremes-2/



NEMKLIM: Nemoral Forests under Climate Extremes

project duration: 2017-12-31 – 2020-12-31

**Issue at stake:**

Ecosystem adaptations and land use consequences, in particular for the energy wood potentials along climatic gradients in Romania and Germany.

In focus:

Temperate Deciduous Forests in Europe under Climate Change – and the main question: what can we learn from Romanian beech and oak forests for the future of German forests?

The nemoral (temperate) deciduous forests cover large parts of Central Europe and have important functions for landscape ecology (climate, water, soil, carbon storage) and nature conservation (biodiversity). They supply us with timber, a highly versatile raw material that can be used for anything from building to energy production. Moreover, these forests provide many more goods such as mushrooms, truffles and game meat and are the perfect place to relax, to enjoy nature and to practice recreational activities. [Continue reading](#)



Contact

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www.hawk-hhg.de

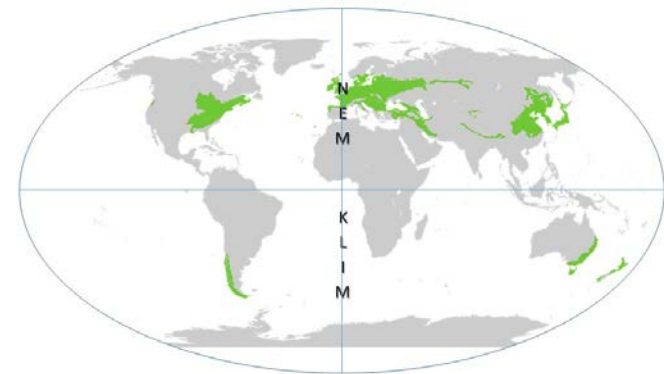
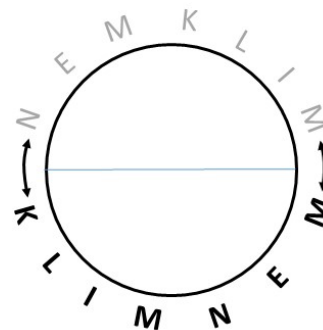
Projekt Head:

Prof. Dr. Helge Walentowski
Phone: +49 551 5032 245

KLIMNEM

Sustainable Forest Management of Temperate Deciduous Forests (Northern Hemispherical *Fagus*- and Southern Hemispherical *Nothofagus*-Forests)

project outline submitted at April 24th 2020



Research network

example 2.2 (continued from slide 14)

Sustainable Resource Management in Latin America

Research network and cooperations



El Manso valley - Summer School



CIEFAP - Summer School

further links

Latin American Research

CIEFAP, Argentinien

www.globalforestwatch.org

publications – peer reviewed open access, impact factor



Mini Review

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Article Accelerating Capoeira Regeneration on Degraded Pastures in the Northeastern Amazon by the Use of Pigs or Cattle

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Article Vegetation Succession on Degraded Sites in the Pomacochas Basin (Amazonas, N Peru)—Ecological Options for Forest Restoration

Helge Walentowski ^{1,*} , Steffi Heinrichs ^{1,2}, Stefan Hohnwald ³, Alexander Wiegand ¹, Henry Heinen ¹, Martin Thren ¹, Oscar A. Gamarra Torres ⁴, Ana B. Sabogal ⁵ and Stefan Zerbe ⁶

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³ Centre of Biodiversity and Sustainable Land Use—CBL, Platz der Göttinger Sieben 5, 37073 Göttingen,

Exemplary Knowledge Transfer Between Germany and Patagonia as Contribution to the Regional Achievement of the UN Sustainable Development Goals 2030

Walentowski H^{1,*}, Hohnwald S¹, Thren M¹, Kappas M¹, Leuschner C¹, Lencinas JD¹, Bava JO⁴, Loguericio G¹, Urretavizcaya F¹, Barroetaeña C¹, Martínez Pastor GJ¹ and Zerbe S⁵

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Thank you

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