

# Master Course „Tropical Forestry“



<http://www.forst.tu-dresden.de/Inter>



Tharandt, Germany

# History

In Tharandt there is one of the oldest schools of forestry in the world.

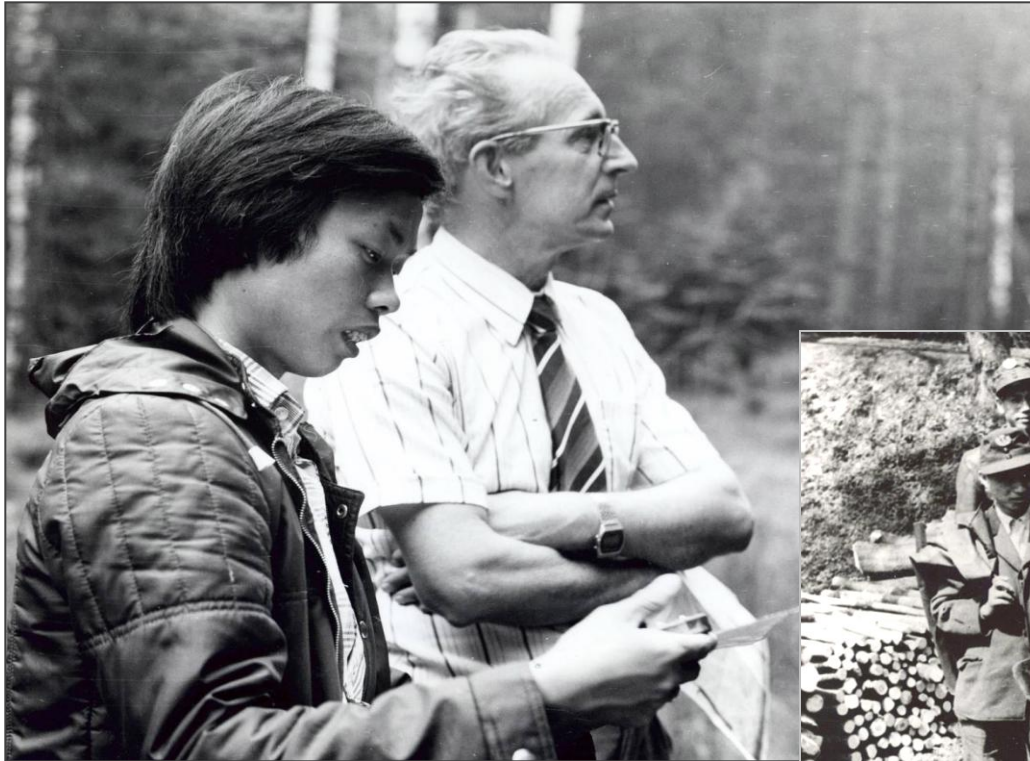
In 1811 Heinrich Cotta initiated forest education at Tharandt.

This private establishment was taken over by the state as Royal Forest Academy of Saxony in 1816.

The affiliation to the Dresden College of Technology was performed in 1929.



Foundation of the "Department of Tropic & Subtropic Forestry and Forest Products" headed by Prof. Löschau in 1963



Prof.Löschau examining a  
Vietnamese student in  
forest inventory

First matriculation of  
Vietnamese students in 1961





Students of the first batch of 1995 established M.Sc. Program  
*Tropical Forestry and Management*





# Presence - Campus Tharandt





# Presence - current students



Batch 2011 - 2013



Batch 2012 - 2014

# Countries of origin of the MSc-students



# Professorship of Tropical Forestry



Chairholder  
Prof. Dr. rer. silv.  
Jürgen Pretzsch

The Professorship is in charge of all forestry topics related to tropical and sub-tropical regions

## Lecturer



Dr. rer. silv.  
Hubertus Pohris



Dr. rer. nat.  
Eckhard Auch





## Research fields and methodological orientation

### ***Socio-economic diagnosis***

- international forest policy/politics: international agreements, development trends and case studies
- land use dynamics and forestry development
- forest based production systems
- assessment of the framework of forest based management systems
- silvicultural treatment of forest- and wood dominated ecosystems
- investigations into stand structure and changes of tropical forest ecosystems
- cultural aspects of forest production, including local knowledge systems, religion and gender





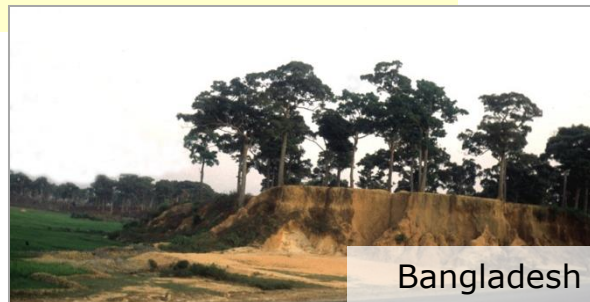
## Research fields and methodological orientation

### ***Projection and modelling***

- studies of the guiding principles of forestry in the context of a dynamic environment
- forest sector analysis in tropical countries, contribution of forestry to rural development, non-conventional forestry, land use planning
- stability models for forest management
- methodological aspects of regional/project planning, social transition, intervention theories, extension



China



Bangladesh



Mexico

## Research fields and methodological orientation

### ***Orientation towards action***

- forest and agroforestry innovation such as planned social and technological change
- extension methods
- certification, quality control and monitoring/ impact analysis as a learning process
- integrative landscape planning
- participatory planning and decision structures
- strategic planning, monitoring and impact analysis in forest projects
- implementing urban forestry



Africa



# International cooperation

Relations to partners institutions in developing countries are cultivated (Ethiopia, Bangladesh, Brazil, Chile, Honduras, India, Cambodia, Laos, Myanmar, Paraguay, Sudan, Thailand, Venezuela, Vietnam, ...)

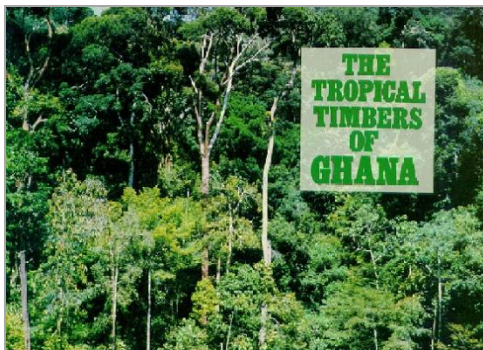




# International cooperation



**Ethiopien woodlot**



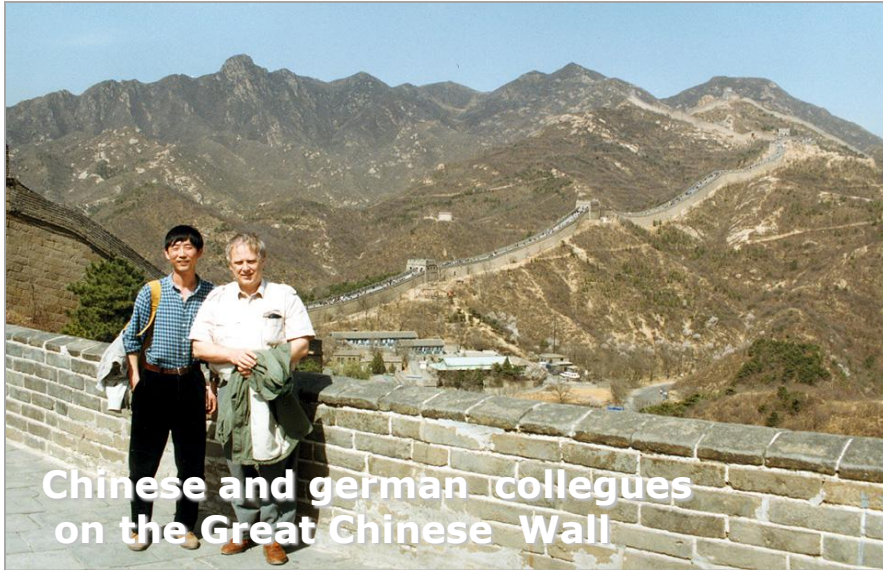
TU Dresden



**Laos: local wooden houses**



# International cooperation



# University partnerships in Asia, Africa and Latin America





# International cooperation

Cooperation agreement with the Forest University near Hanoi/Vietnam



# International cooperation





# Alumni Network

Alumni are welcome for guest lecturing



# Alumni Network



## Working with senior alumni in Vietnam







# Overview of modules

Curriculum Master's Course "Tropical Forestry"					
Profile: Tropical Forestry and Management					
1. Semester					
FOMT 1.1 Tropical Climate and Ecology  7 ECTS	FOMT 1.2 Forest related Development Policy and Culture  9 ECTS	FOMT 1.3 Urban Forestry in the Tropics  8 ECTS	FOMT 1.4 A Forest Utilization and Product Chains  7 ECTS	FOMT 1.4 B Forest Resources Assessment  7 ECTS	
2. Semester					
FOMT 1.5 Economics and Management of Forest Resources  7 ECTS	FOMT 1.6 Organization and Management Systems  8 ECTS	FOMT 1.7 Management of vegetation and soil in watersheds  7 ECTS	FOMT 1.8 A Natural Forest Silviculture and Biodiversity Conservation in the Tropics 7 ECTS	FOMT 1.8 B Forest Plantation Silviculture and Agroforestry in the Tropics 7 ECTS	
3. Semester					
FOMT 2.1 Design and Planning of Research  10 ECTS	FOMT 2.2 Planning at Project and Landscape Scales  8 ECTS	FOMT 2.3A Modelling  5 ECTS	FOMT 2.3B Communication and Conflict Management  5 ECTS	FOMT 2.4 A Natural Forest Management and Restoration in the Tropics 7 ECTS	FOMT 2.4 B Forest Plantation Management and Landscape Rehabilitation in the Tropics 7 ECTS
4. Semester					
Master thesis and Colloquium  30 ECTS					
Profile: Sustainable Tropical Forestry (SUTROFOR)					
1. Semester					
FOMT 1.2 Forest related Development Policy and Culture  9 ECTS	FOMS 1.1 Preparing Field Work in the Tropics <i>e-learning</i> 8 ECTS	FOMS 1.2 Summer School 7 ECTS	FOMT 1.4 A Forest Utilization and Product Chains 7 ECTS	FOMT 1.4 B Forest Resources Assessment 7 ECTS	
2. Semester					
FOMS 1.3 Climate Change and Tropical Forestry <i>e-learning</i> 7 ECTS	FOMT 1.6 Organization and Management Systems 8 ECTS	FOMT 1.5 Economics and Management of Forest Resources 7 ECTS	FOMT 1.7 Management of Vegetation and soil in watersheds 7 ECTS	FOMT 1.8 A Natural Forest Silviculture and Biodiversity Conservation in the Tropics 7 ECTS	FOMT 1.8 B Forest Plantation Silviculture and Agroforestry in the Tropics 7 ECTS
3. Semester					
FOMS 2.1 Research Planning <i>e-learning</i> 10 ECTS	FOMT 1.3 Urban Forestry in the Tropics 8 ECTS	FOMT 2.3 A Modelling 5 ECTS	FOMT 2.3B Communication and Conflict Management 5 ECTS	FOMT 2.4 A Natural Forest Management and Restoration in the Tropics 7 ECTS	FOMT 2.4 B Forest Plantation Management and Landscape Rehabilitation in the Tropics 7 ECTS
4. Semester					
Master thesis and Colloquium  30 ECTS					

 Compulsory
  Compulsory 'Tropical Forestry and Management' only

 Compulsory SUTROFOR only
  Optional compulsory SUTROFOR only

In the master course "Tropical Forestry" the profile areas *Tropical Forestry and Management* and *Sustainable Tropical Forestry* are offered. For the students when commencing their studies it is obligatory to choose one of the two profiles. When choosing the profile area *Sustainable Tropical Forestry* study achievements have to be rendered abroad for one year, as a rule at one of the a partner universities of the TU Dresden. In this way the international study program SUTROFOR is integrated via the second profile area.



# Field trip







# Field trip



# Field trip







After successful study.....



....you will be awarded a  
**MASTER CERTIFICATE**



# Expenses for living in Dresden

Expenses for	Cost per Month
	in EURO (EUR)
<b>Tuition fees*</b>	—
<b>Accommodation or Rent</b>	<b>ca. 200</b>
<b>Cost of living</b>	<b>ca. 200</b>
<b>Cost for transportation**</b>	<b>ca. 35</b>
<b>Health insurance</b>	<b>ca. 60</b>
<b>Additional expenses (for excursions, books etc.)</b>	<b>ca. 40</b>
<b>Misc</b>	<b>ca. 50</b>
<b>Total</b>	<b>ca. 585</b>
<p>* There are no fees because education is still free in Germany.</p> <p>** Your ID card is a free ride ticket for the public transport of the region (Semester ticket: 242 EURO per Semester)</p>	

# First impressions - sightseeing



Saxon Switzerland



Semperoper



Castle Moritzburg



Meißen



Tharandt



Frauenkirche Dresden



Königstein Fortress



Dresden



Brandenburger Tor



# First impressions – group dynamic





# All professors in Tharandt




TU Dresden

Presentation Masters Course "Tropical Forestry"



Informations about the MSc Course you can find on our homepage [www.forst.tu-dresden.de/Inter](http://www.forst.tu-dresden.de/Inter) (especially category education)

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**Student's  
Handbook**



Email:  
[pretzsch@forst.tu-dresden.de](mailto:pretzsch@forst.tu-dresden.de)  
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