

Universität für Bodenkultur Wien

University of Natural Resources and Life Sciences Vienna (BOKU)

Who we are

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www.boku.ac.at



BOKU Mission

BOKU Vienna is taking on the challenge to play a role in securing and conscientiously using our natural life resources.

Teaching, research, and services concentrate around managing natural resources, around shaping biospheres and around the applied life sciences.



BOKU Facts

- More than 13.000 students (20 % from abroad)
- Appr. 2.550 staff members (including tutors & external lecturers)
- Appr. 20 sites
- Departments: 15
- Institutes: 70
- Founded in 1872
- 8 Bachelor courses
- 25 Master programs (11 in English language)
- 3 LLL-Courses (> 60 ETCS)



BOKU – Fields of Competences in Teaching & Research

- Soil, plants & animals
- Space, landscape & infrastructure
- Water, climate & environment
- Forests & timber
- Alternative biomaterials & bio energy
- Agricultural sciences
- Food sciences
- Biotechnology



Teaching Approach

- From teaching to learning
- From timed and on-site lectures to time and site independent education
- From self-contained studies to life-long-learning



Enhancing Surveying Education through e-Learning



A publication of FIG Commission 2 - Professional Education



How to be achieved ...

- Modern teaching and learning methods
- Quality Management
- Continuous Personal Development
- Life Long Learning Programs



Institute of Hydraulics and Rural Water Management



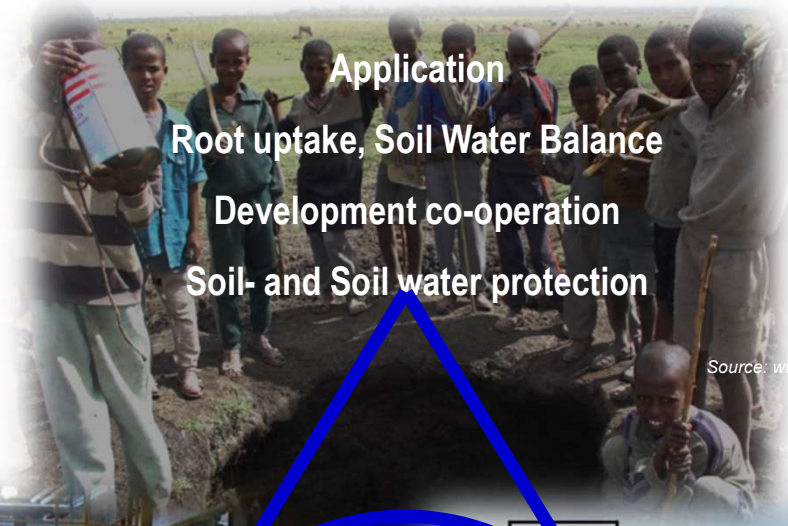
The Institute of Hydraulics and Rural Water Management is focusing specifically on the part of the water cycle where the water gets in contact with the soil.

Since water is fundamental to all life, it is our mission to maintain its various functions in an optimum and sustainable manner and to safeguard its use and protection.



Source BOKU-IVFL

Institute of Hydraulics and Rural Water Management



Application
 Root uptake, Soil Water Balance
 Development co-operation
 Soil- and Soil water protection

- Agriculture
- Organic Agriculture
- Waste disposal sites
- Flood plains
- land slides
- etc.

Source: www



Theoretical base
 Soil physics
 Hydraulics

Source BOKU-IVFL

Lifelong Learning and Continuing Education Team and Tasks



- **Continuing Education**

Development and Implementation of Continuing Education Courses

- **Lifelong Learning**

National and international projects

- **Consulting**

For authorities, companies etc.



- Land Surveying
- GNSS (Global Navigation and Satellite System)
- Land Administration (Cadastral & Land Register)
- Remote Sensing (incl. Photogrammetry)
- Image Processing
- Geo-Informatics



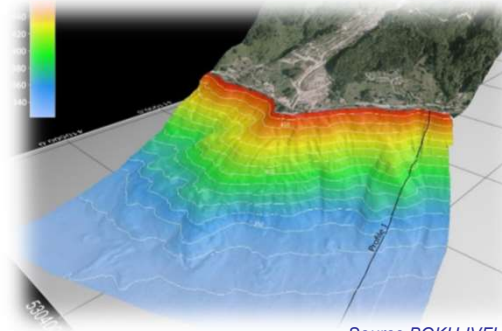
Lectures, Exercises, Field Works, Projects, Seminars ...

Institute of Surveying, Remote Sensing and Land Information

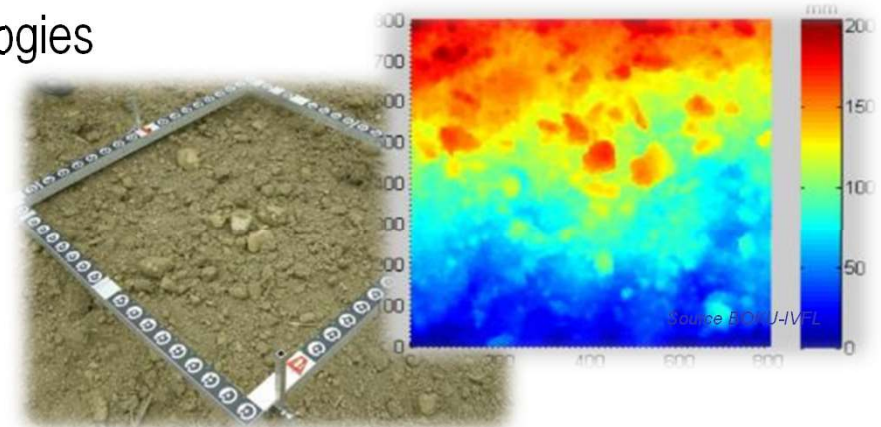
Fields of Research



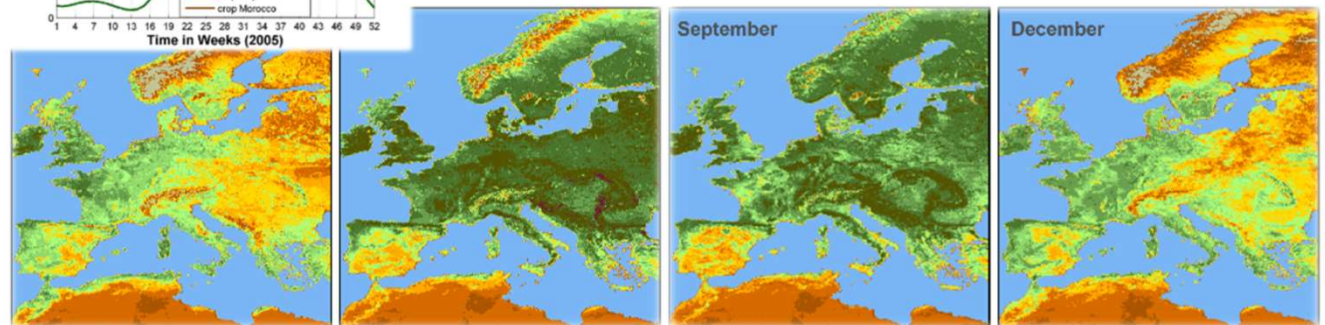
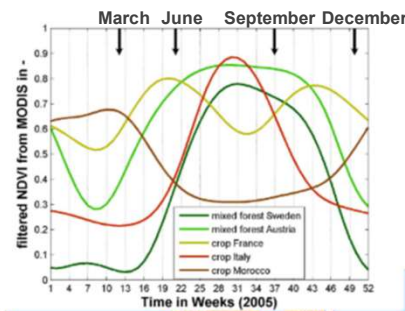
- Analysis of satellite images
- Imaging spectroscopy & radiative transfer modeling
- Analysis of digital aerial photos
- Environmental monitoring using remote sensing technologies
- Time series analysis
- GIS & Modeling
- Hydrographical surveying
- Land-administration systems



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More information: www.boku.ac.at

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