



- Founded in 1906
- Third largest university in Prague
- More than 20 000 students

### **Faculties**

- Faculty of Environmental Sciences
- Faculty of Economics and Management
- Faculty of Agrobiology, Food and Natural Resources
- Faculty of Engineering
- Faculty of Forestry and Wood Sciences
- Faculty of Tropical AgriSciences





# Forest Establishment Kostelec nad Černými lesy

- Nearly 7000 ha of forests72 ha of ponds
- Located in renaissance chateau
- Large Arboretum FFSW
- Wood processing centre







# Mělník-Chloumek Viticultural Centre

- 12 ha of vineyards
- 17<sup>th</sup> century vineyard house
- 30 thousand litres of red and white wines







# Farm Estate at Lány



- 2 900 ha of farmland
- Cattle herds of Holstein, Jersey and Czech Red cows
- A herd of African antelopes





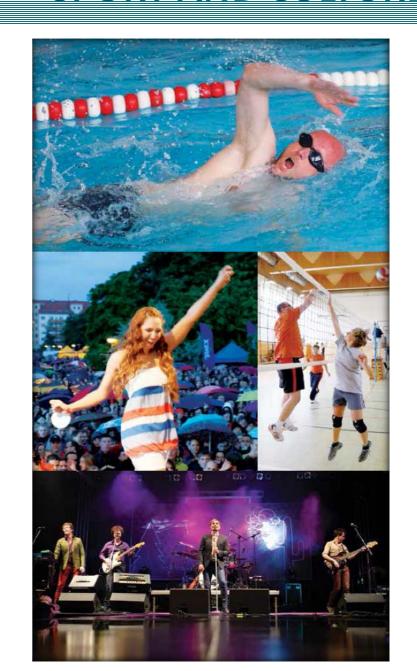
# y zorł **w**atniczeluje lukt

# **On-campus sport facilities**

- Indoor swimming pool and sauna
- Bodybuilding center
- Tennis courts and indoor hall
- Volleyball and beach-volleyball courts
- Athletic tracks
- Football field with grass surface

### **Culture at CULS**

- Miss Agro Festival
- Prague Universities' Ice Hockey Battle
- Fife Sciences Film Festival





# **Mobility and international programmes**

- Currently over 900 international exchange students
- Nearly 2 000 international students study full-time degree
- In recent year 700+ local students have studied abroad

# The Euroleague for Life Sciences (ELLS)



- Full member
- ELLS Scientific Student Conference in November 2015
- ELLS Summer Schools

# **International agreements (Erasmus+)**

- 378 agreements
- 231 universities
- 30 countries





Czech University of Life Sciences Prague

# Faculty of Environmental Sciences

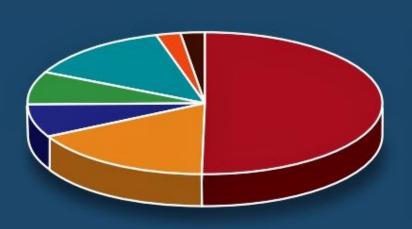




# 

- Established in 2007 as independent faculty of CULS Prague
- 6 departments: Land Use and Improvement, Ecology, Applied Ecology, Applied Geoinformatics and Spatial Planning, Water Resources and Environmental Modelling, Environmental Geosciences
- New building and laboratories November 2015

### Numbers of students at the faculties of CULS



- Faculty of Economics and Management (13459)
- Faculty of Agrobiology, Food and Natural Resources (4549)
- Faculty of Environmenta Sciences (3553)
- ☐ Faculty of Engineering (2029)
  - Faculty of Forestry and Wood Sciences (2030)
- Institute of Tropics and Subtropics (578)
- Institute of Education and Communication (563)



# niemailona kealions

### **Double Degree**

- Cranfield University (UK)
- 11 students



### **Bilateral Agreement with 18 countries (Erasmus+)**

Austria Slovakia Hungary Slovenia Belgium Italy **Fstonia** Spain Lithuania France Sweden **Netherlands** Germany **Switzerland** Poland **Great Britain** Turkey Portugal

The Baltic University – A Regional University Network Coordinated by Uppsala University



# Grantszane projectszat Es

- In 2015: 40 research projects from national and international agencies
- Basic research 12 projects, others applied research
  - cooperation with companies or other final users
- Norway Grants 4 projects (BIOFORK, NGU)2,5 mil. Euro



H2020 BASE-LiNE Earth - Marie Skłodowska-Curie actions





# Grants and projects at FES

# **External Funding**

















INVESTMENTS IN EDUCATION DEVELOPMENT



Operační program Výzkum a vývoj pro inovace

# Priority restearch areas

- Landscape-ecological principles of restoring landscapes damaged by open-cast coalmining
- Conservation of biological diversity in the landscape
- Increasing the retention and accumulation of water in the landscape
- Restoration of non-production functions of the landscape
- Biogeochemistry of metals and metalloids in the environment
- Conservation and management of selected habitats, management of protected areas
- The use and impacts of alternative energy sources



# Study programmes and specializations

### **Bachelor programmes**

- Applied Ecology (CZ)
- Landscape Planning and Design (CZ)
- Territorial Technical and Administrative Services (CZ)
- Water Resource Management (CZ)
- Spatial Planning (CZ)

### **Doctoral programmes**

- Ecology (EN, CZ)
- Applied and Landscape Ecology (EN, CZ)
- Environmental Modelling (EN, CZ)
- Water Regime Improvement in the Landscape (EN, CZ)

### **Master programmes**

- Applied Ecology (CZ)
- Nature Conservation (EN, CZ)
- Landscape Planning (EN, CZ)
- Landscape and Land Improvement (CZ)
- Environmental Modelling (EN, CZ)
- Environmental Geosciences (EN)
- Regional and Environmental Administration (CZ)
- Land and Water Management (EN)
- Water in the Landscape (CZ)

# <u> Lanescape Panning</u>

 Elements of landscape architecture, applied landscape ecology, spatial and regional planning, landscape history and natural sciences

### Core Courses:

- Land Management
- Soil Erosion Control
- Landscape Architecture
- Spatial Planning
- □ Land Register and GIS
- Aquatic Ecosystems Restoration
- New programme, first graduates



# Valure Conservation

- Focusing on theoretical and practical knowledge in biological and ecological areas
- Research oriented
- Core Courses:
  - Conservation Biology
  - Ecosystems Conservation and Management
  - Animals Ecology and Conservation
  - Plants Ecology and Conservation
  - Conservation Policy
- PhD and academia



# <u> Environmenta Moreeling</u>

 Modelling the transport of pollutants and contaminants in different environments, and how to describe the transport processes in the atmosphere, soil, groundwater and surface water

### Core courses:

- Hydraulic and Hydrological Modelling
- Groundwater Modelling
- Transport of Contaminants in Atmosphere
- Applied Hydropedology
- **□** Modelling in Soil Science
- Physical Chemical Aspects of Processes in Environment
- Most technical degree at FES



# invironmenta Georgianges

 Focusing on remediation of contaminated sites and uderstanding of pollutants` behaviour in various environmental compartments

### Core Courses:

- Geology
- Env. Geology and Earth System Sciences
- Env. Geochemistry and Mineralogy
- **□** Env. Hydrogeology
- Paleoecology
- **□** Env. Analytical Chemistry
- **□** Env. Soil Chemistry
- Newly accredited





# Lanc and Water Management

- Focusing mostly on water in landscape and hydrological modelling
- Core Courses:
  - Land Management
  - Water Resources Management
  - GIS
  - Hydrological Modelling
- Oldest programme taught in English at FES







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### **Facebook:**

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