



Fakulta životního  
prostředí

# Faculty of Environmental Sciences

## Czech University of Life Sciences Prague

[www.fzp.czu.cz](http://www.fzp.czu.cz)



**>The faculty is housed in two new modern buildings and the completion of Part 3 is being prepared**



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# > **Laboratory of Environmental Geochemistry**

analyses of environmental samples with the emphasis on inorganic pollutants and analyses of novel isotope systems

TIMS (Triton, Thermo Scientific)



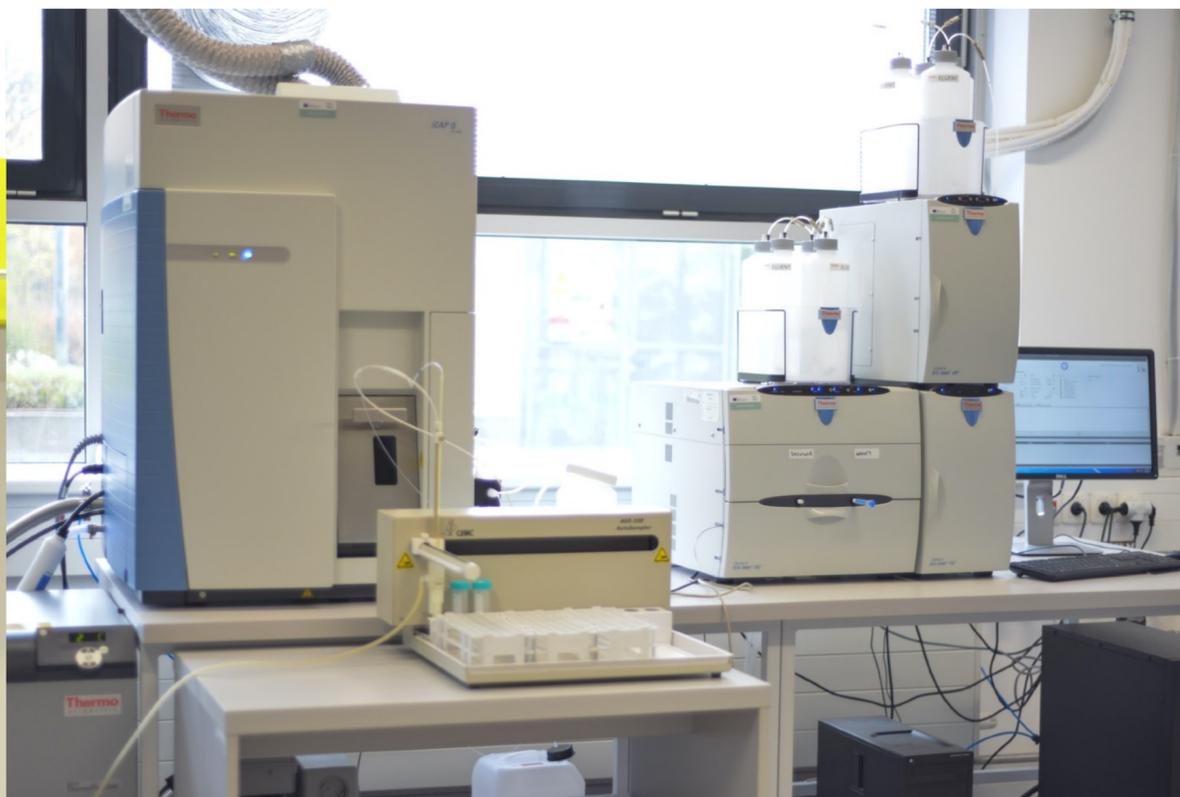
Laser diffraction particle size analyzer



# > Laboratory of Environmental Geochemistry

analyses of environmental samples with the emphasis on inorganic pollutants and analyses of novel isotope systems

TIMS



IC-ICP MS



C/N analyzer



# > Laboratory of Molecular Genetics

core DNA analysis facility

8-capillary 3500 Genetic Analyzer



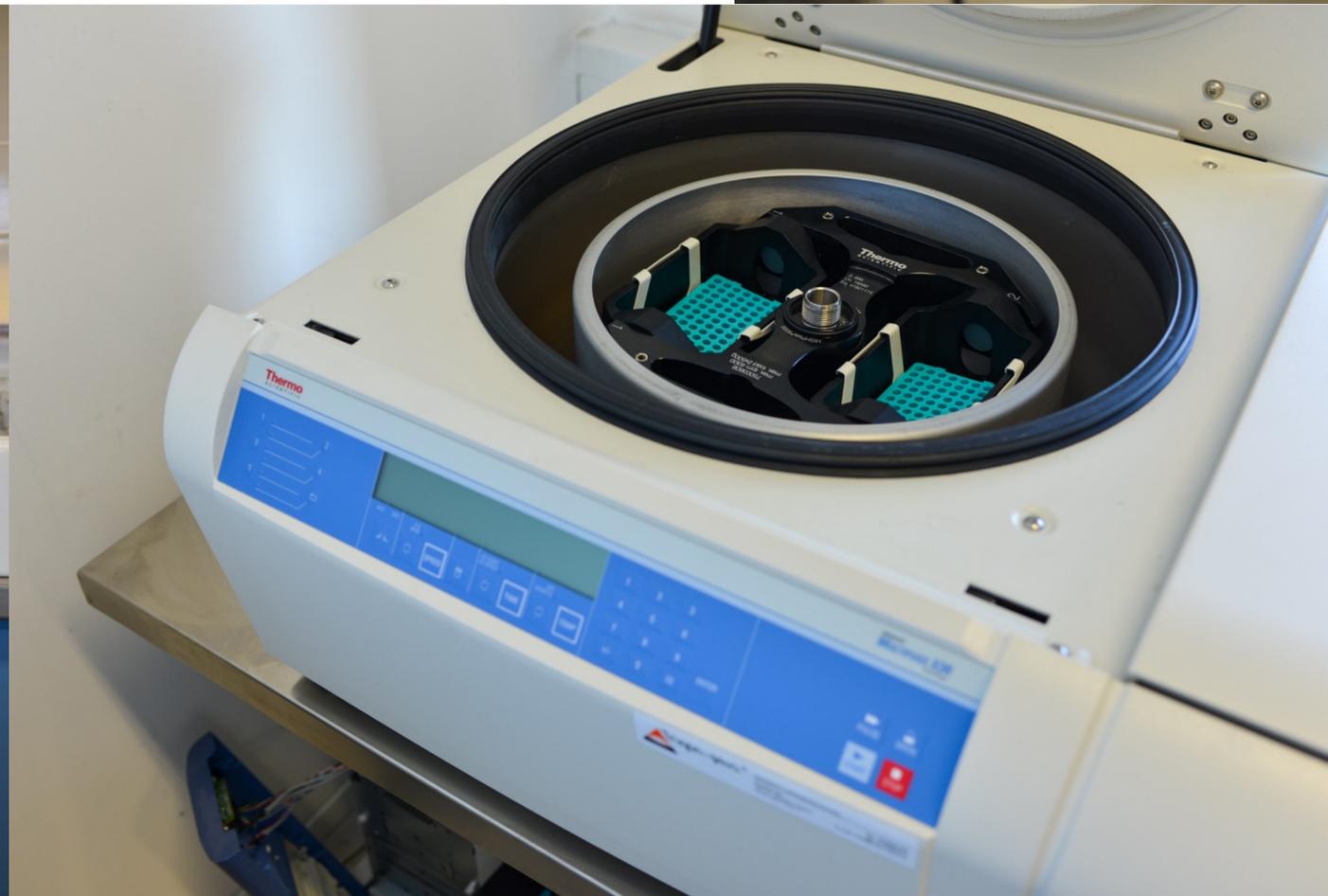
# > Laboratory of Molecular Genetics

core DNA analysis facility



Autoclave

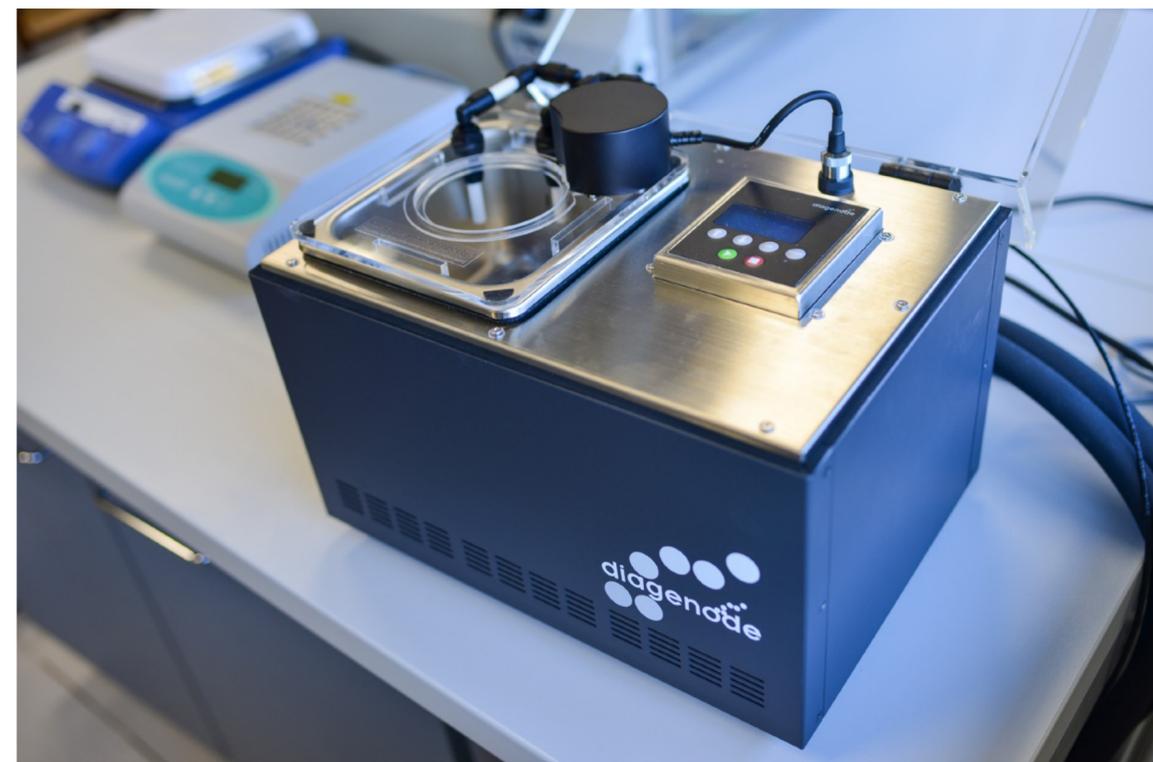
Centrifuge Heraeus X3



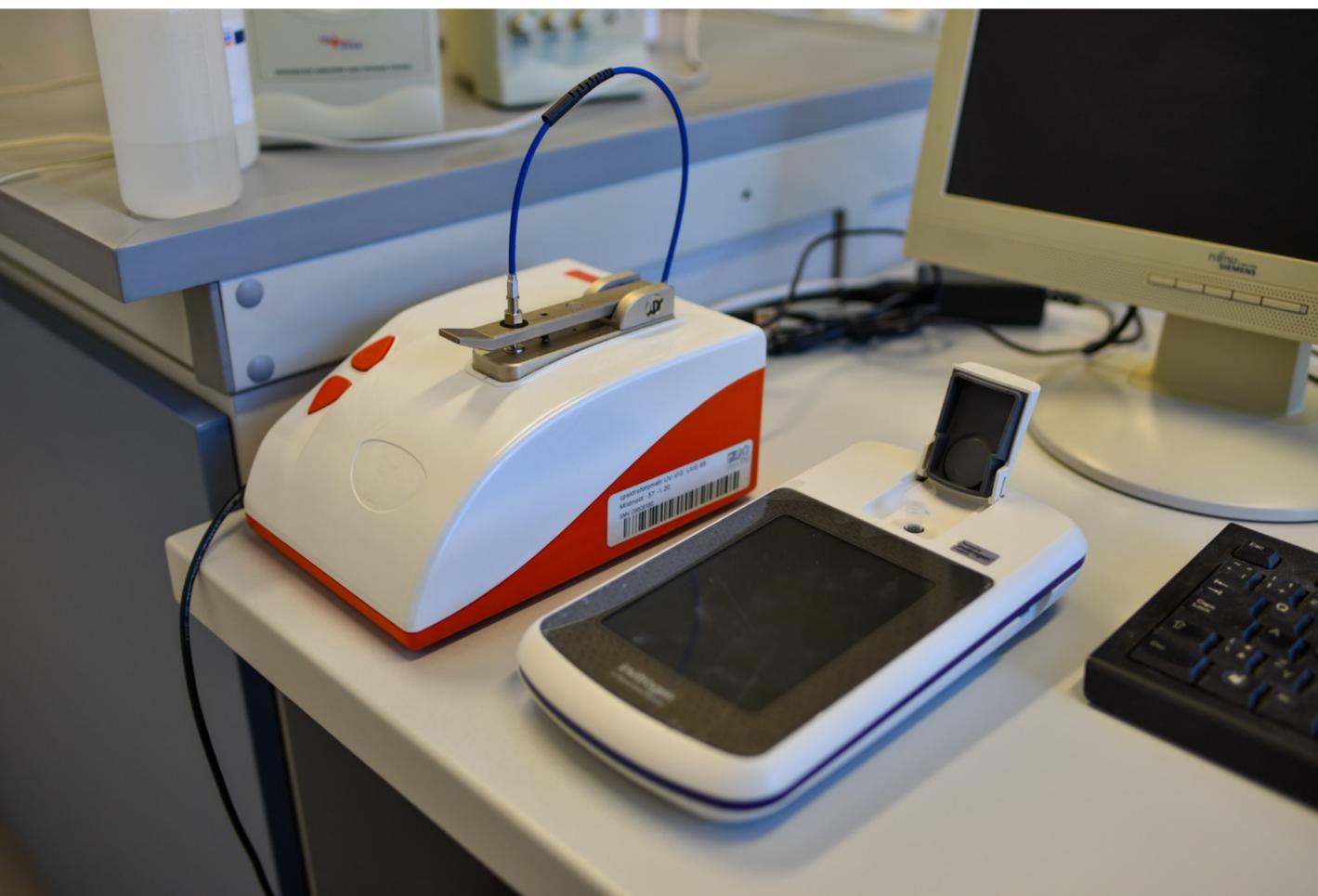
# > Laboratory of Molecular Genetics

core DNA analysis facility

Bioruptor Pico NGS sonication device



Nanodrop and Qubit



Thermal cyclers



# > Laboratory of GIS and Remote Sensing

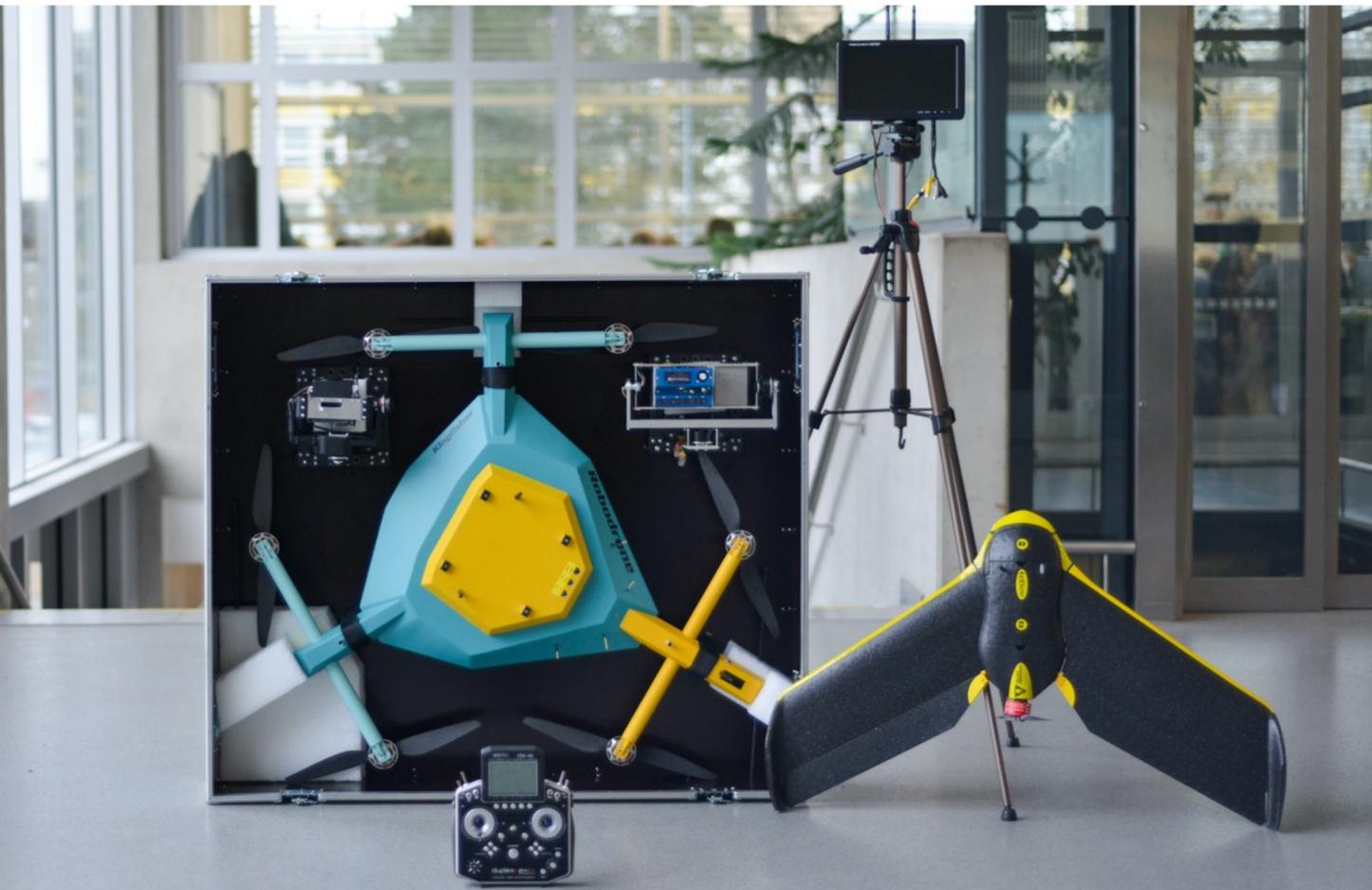
hardware, software and spatial data support for environmental research

DJI Matrice 600 Pro



Robodrone Kingfisher

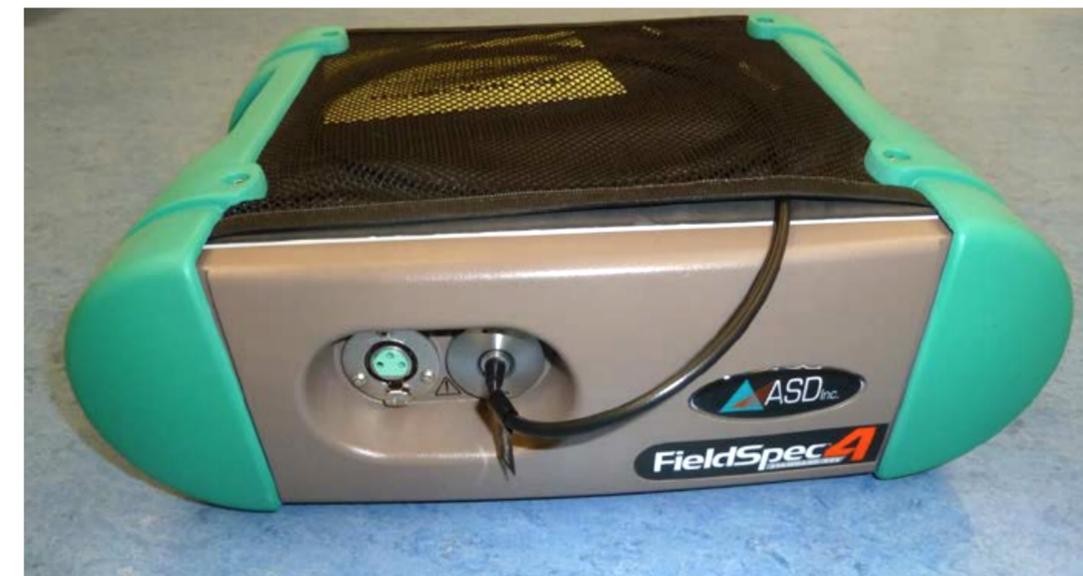
SenseFly eBeeX



DJI Phantom 4

# > Laboratory of GIS and Remote Sensing

hardware, software and spatial data support for environmental research



GNSS geodetic apertures

SenseFly sensor



# > **Laboratory of Water and Soil Chemistry**

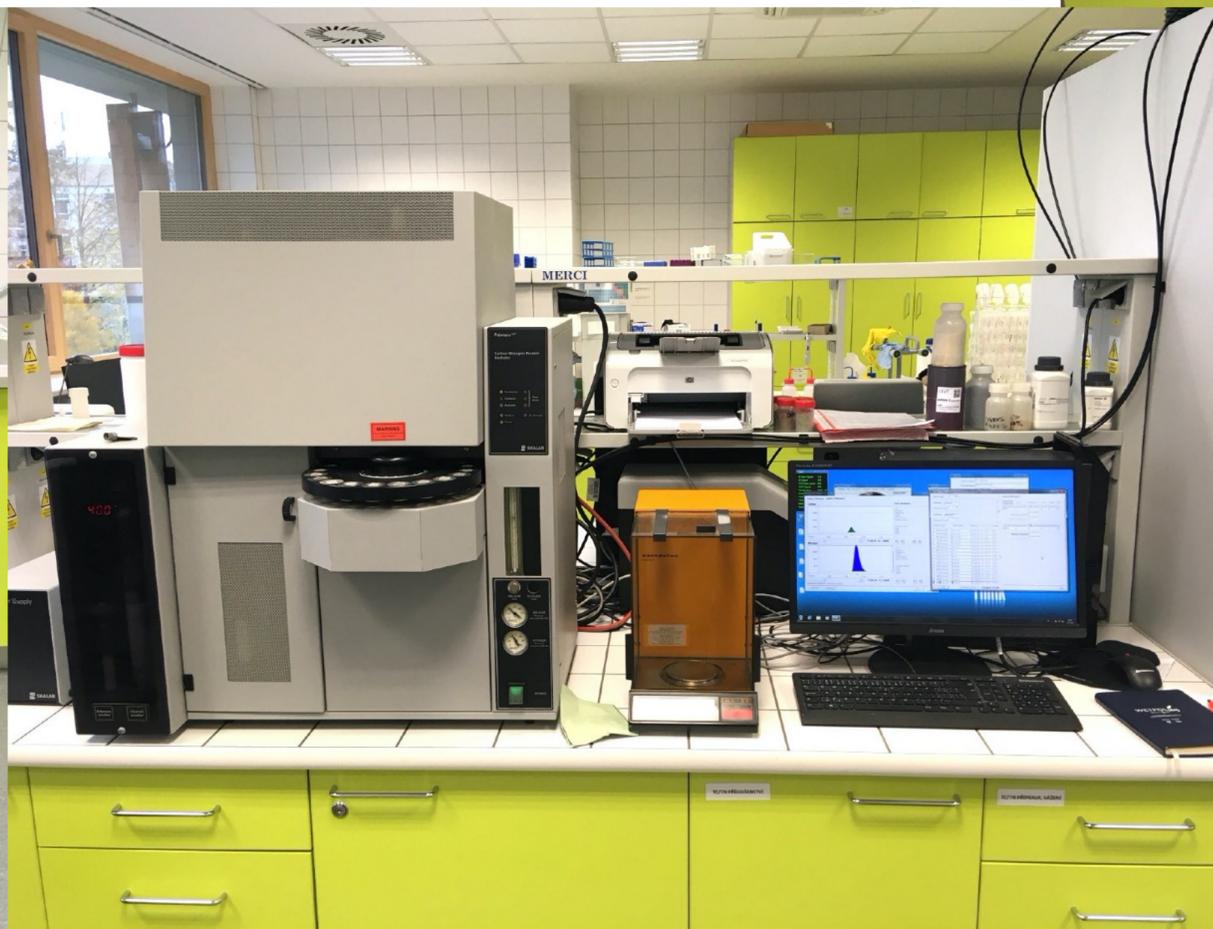
analyses of surface and waste waters, sediments and soils, and plant biomass

TC/TOC/TIC/TN analyser



Atomic Absorption Spectrometer

Analyser of TN/TC



# > Laboratory of Water and Soil Chemistry

analyses of surface and waste waters, sediments and soils, and plant biomass

Vertical-flow mesocosms



Liquid chromatography



Microwave digestion system



Ionic chromatography



# > Laboratory of Water Flow in Porous Media

measurements of hydraulic and related physical properties of soils and porous media

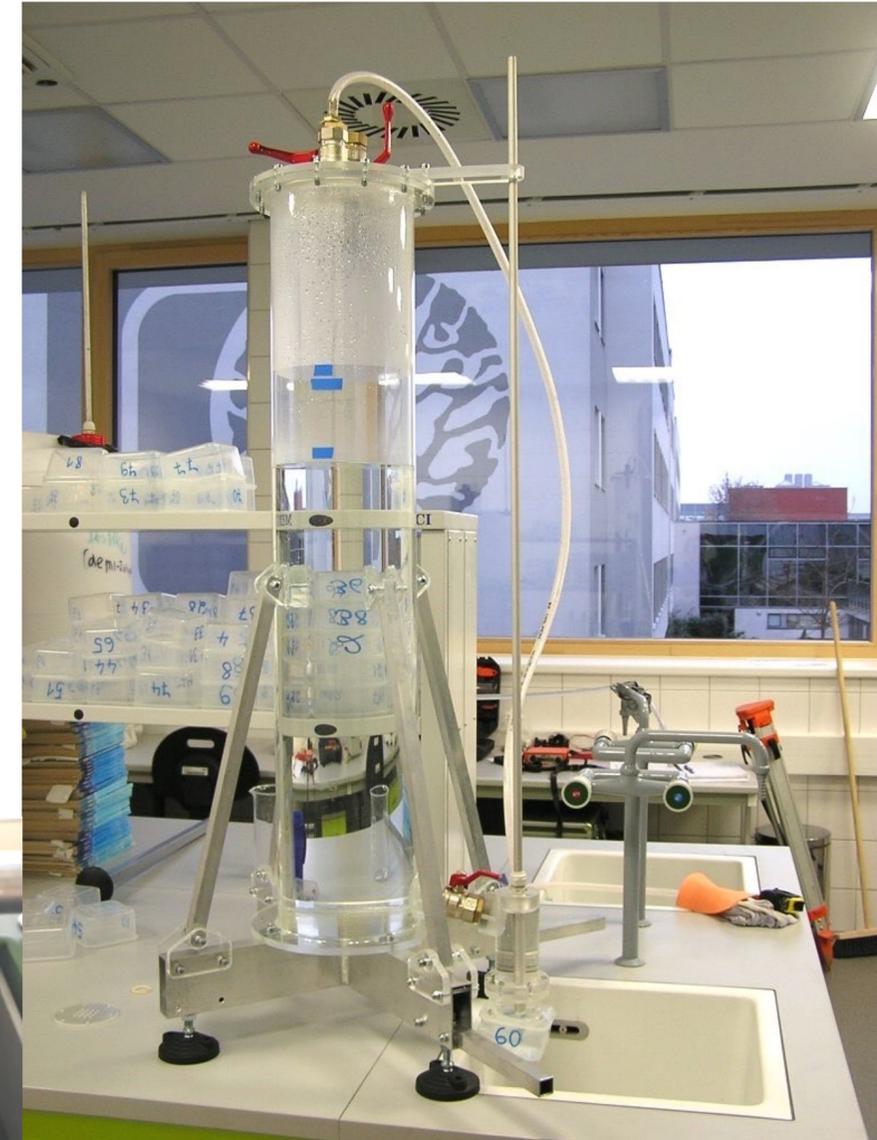
Pressure plate apparatus



Laboratory permeameter



Infiltrometer



# > Laboratory of Sensors and Monitoring

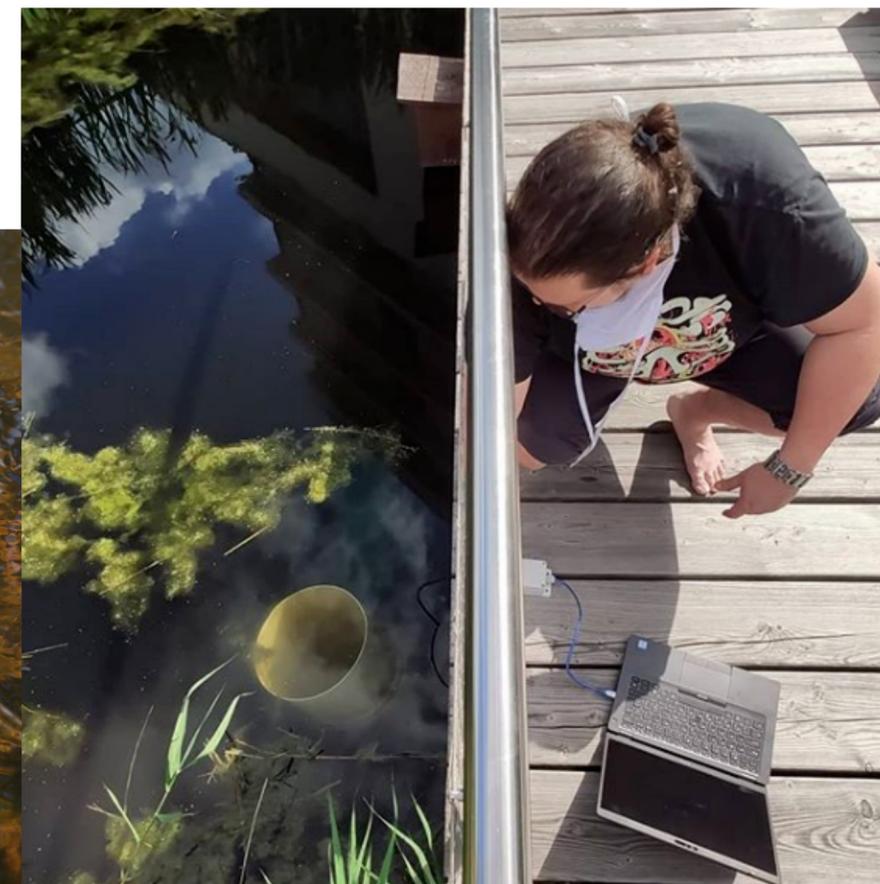
## Devices

state-of-the-art measurement of hydrological processes

River Surveyor M9



Flowtracker



Hydroboard

# > Field equipment - Amálie

development, demonstration and validation of "Smart landscape concept"

Eddy covariance

Dendrometer



Scintillometer



Scintillometer



Groundwater monitor



# > Field equipment - Trhové Dušníky

measurements and apparatus usable for continuous sampling and measuring of porewater, soil and atmosphere

Weather station (pyronometer, barometer, rain gauge)



Porewater sampler



# > Field equipment - Department of Ecology

Bluetooth chip

Radio telemetry



RFID chip reader



Camera trap



RTG spectrometer