

# Welcome at BOKU

**Daniel Wildt**

SWARM

Training for WB teaching staff

21–25 March 2022

University of Natural Resources and Life Sciences, Vienna

# Health-and-Safety information: COVID-19 regulations at BOKU as of 07/02/2022

- ▶ Access and stay at BOKU only with a valid 2.5G-certificate
- ▶ **2G**-certificate necessary for participation at professional face-to-face meetings
- ▶ **FFP2** masks are mandatory in all shared places (e. g. corridors, etc.) and whenever there is more than one person in the room.
- ▶ A minimum distance of 2 m must be maintained wherever feasible.

<https://boku.ac.at/en/universitaetsleitung/rectorate/staff-units/stabsstelle-oeffentlichkeitsarbeit/covid-19-current-information-on-teaching-in-the-winter-semester>

**Corona-  
Massnahmen:**



# Health-and-Safety information



## Approved health-and-safety concept

- ▶ maintain distances, only use every third seat
- ▶ Attendance lists

### Health-and-Safety information for avoiding further spread of the COVID-19 virus during face-to-face sessions

Training for teaching staff from Western Balkan universities  
21st – 25th March 2022

Daniel Wildt and Michael Tritthart  
version: 2nd March 2022

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# Welcome!

## Health-and-Safety information

## Introduction

## Agenda



# Introduction

Modules and lectures taught Michael Tritthart:

- ▶ Hydraulics and Hydromechanics (2. Semester BSc, approx. 200 students per year)
- ▶ Hydrodynamics (MSc, approx. 70 students per year)
- ▶ Computer based river modelling (elective module, MSc)
- ▶ Working at Deltares until July 2022



# Introduction

Exercises taught by Daniel Wildt:

- ▶ Hydraulics and Hydromechanics (2. Semester, approx. 200 students per year)
- ▶ Hydrodynamics (Master programs, approx. 70 students per year)
- ▶ Automated online exam evaluation system



# Introduction



IWA<sup>+</sup>

Institute of  
Hydraulic Engineering  
and River Research



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## Welcome & Introduction to BOKU

Dr. Michael Tritthart

University of Natural Resources and Life Sciences, Vienna

SWARM Training for WB Teaching Staff / 21<sup>st</sup> – 25<sup>th</sup> March 2022

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# Agenda

Monday, 21 <sup>st</sup> March 2022		
University of Natural resources and Life Sciences, Vienna		
Welcome Session		
10:00-11:00	Health-and-safety concept Welcome speech, presentation of University, Department and Institute	Daniel Wildt
11:00-12:00	Presentation of the program of the Training	Daniel Wildt
Hands-on teaching methods in hydrodynamics		
13:00-14:45	The Sandoz/Rhine accident 1986	Daniel Wildt
15:15-17:00	Heat and mass transport in free- surface water bodies	Daniel Wildt

Tuesday, 22 <sup>nd</sup> March 2022		
University of Natural resources and Life Sciences, Vienna		
E-Learning		
09:00-12:00	E-Learning tools	Daniel Wildt
Afternoon – R/Exams		
14:00-16:00	Automated exam creation and evaluation	Daniel Wildt

Wednesday, 23 <sup>rd</sup> March 2022		
University of Natural resources and Life Sciences, Vienna		
R/Exams: installation		
10:00-12:00	Installation R/Exmas	Daniel Wildt
R/Exams: question definition		
14:00-16:00	Definition of exams questions using R/Exmas	Daniel Wildt

Thursday, 24 <sup>th</sup> March 2022		
University of Natural resources and Life Sciences, Vienna		
R/Exams: exams on paper		
09:00-12:00	Preparation of exams on paper using R/Exmas	Daniel Wildt
R/Exams: online exams		
14:00-16:00	Preparation of online exams using R/Exmas	Daniel Wildt

Friday, 25 <sup>th</sup> March 2022		
University of Natural resources and Life Sciences, Vienna		
Wrap-up		
10:00-13:00	Conclusion, evaluation	Daniel Wildt



# Agenda: Contents

- ▶ Excel Worksheets
- ▶ Python codes
- ▶ Automated exam evaluation
  - ▶ Paper exams
  - ▶ Online exams

**University of Natural Resources and Life Sciences, Vienna**  
**Department of Water, Atmosphere and Environment**  
Institute of Hydraulic Engineering and River Research (IWA)

Daniel Wildt, MSc

Muthgasse 107, A - 1190 Wien  
Tel.: 01-47654-81935  
daniel.wildt@boku.ac.at  
<http://www.wau.boku.ac.at/iwa/>