

# Spatial Data Infrastructure and Earth Observation Education and Training for North Africa



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## SEED4NA Virtual Summer School

18-27th May 2021

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Spatial Data Infrastructure and Earth Observation Education and Training for North Africa

# Session 2: EO basics and education

May, 20th 2021

## Session agenda:

- **Lucas de Oto**, University Twente: Introduction to Earth Observation - An Overview
- **Lucas de Oto**, University Twente: Earth observation and its role for application domains beyond “geo” - A food security case
- **Andrija Krtalić**, University of Zagreb: From images to maps and objects (classification and object detection basics)
- **Ansgar Griewe**, University of Applied Sciences Bochum: Earth Observation in academic education – a sample case



## WHO IS LUCAS?

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**Lucas De Oto**

[l.h.deoto@utwente.nl](mailto:l.h.deoto@utwente.nl)

- Born in Buenos Aires, Argentina
- Geographer, Lecturer in geography for higher education, Specialist in GI for natural resources management.
- Over 15 years experience as GIS/RS consultant for governmental organizations, researcher, university teacher and capacity development trainer.
- Since 2017, lecturer/researcher at the University of Twente, Faculty ITC, Department of Geo-information Processing (GIP)



## WHO IS ANDRIJA

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**Andrija Krtalić**

[kandrija@geof.unizg.hr](mailto:kandrija@geof.unizg.hr)

- Assistant Professor for Remote Sensing topics at the Faculty of Geodesy, University of Zagreb. His research interests are use of remote sensing methods in the field of humanitarian demining and vegetation monitoring.
- Andrija designs lectures for bachelor and master courses in a way that develops students to use remote sensing methods for application purposes.
- Experiences made within 9 foreign and domestic projects.
- He published the results of his research in 58 scientific papers.



DENKEN,  
FÜHLEN,  
MACHEN.  
SEIN.

## WHO IS ANSGAR



50 Jahre  
unsere  
Hochschule  
Bochum



**Ansgar Griewe**

[Ansgar.Greiwe@hs-bochum.de](mailto:Ansgar.Greiwe@hs-bochum.de)

- Full Professor for Remote Sensing at Frankfurt University of Applied Sciences (2009-2018)
- Full Professor for Photogrammetry and Remote Sensing at the Faculty of Geodesy at Hochschule Bochum (since 2018)
- Research interests
  - Low altitude photogrammetry with UAV
  - Object based image analysis
- During the last 10 years, Ansgar designs lectures for bachelor and master courses with a strong link to practical use cases in the laboratory courses.
- Experiences made with this open source approach in laboratory courses are shown in the following talk.

## Next Tuesday – May 25th – 15:30-18:00 CET

*Session 3 „Curriculum design - From concepts to detailed descriptions“*

- *EO4GEO Today of Knowledge - concept, establishment of BoK & other tools (Danny Vandenbrouke, KU Leuven)*
- *CDTool - How to create a curriculum? (Marijan Grgić, UNIZG)*



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# Thank you for your attention!



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