

# **Course Introduction**

Espen Volden Magdalena Fitrzyk

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# Why ESA Advanced Training Courses?

Action of ESA's Earth Observation Envelope Programme (EOEP)

### Objectives:

- Training the next generation of scientists and professionals on remote sensing for land surfaces, with the focus on water and hazards
- Explaining the theoretical principles, processing algorithms, data products and their use for water applications
- Introducing tools and methods for the exploitation of EO satellite data, in particular the Sentinels
- Stimulating and supporting the exploitation of EO data for waterremote sensing science and operational applications.

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→ POLTNSAR 2017 WORKSHOP

Hangarian Space Office







# **Previous Editions**



Lisbon 2007



Valencia 2014



Louvain 2019

# Addanced Training Cogne Low and Australia Low and Australia

Prague 2009



Bucharest 2015



Ljubljana 2021



#### Krakow 2011



#### Gödöllő 2017



Kőszeg 2022



Athens 2013

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Leicester 2018

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# **Behind The Course**

#### **Organising Committee**

European Space Agency (ESA) Espen Volden Magdalena Fitrzyk Irene Renis

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#### **Partners**





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ICEYE

lGiG

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Wroclaw University of Environmental and Life Sciences

Witold Rohm Wiesław Fiałkiewicz

Grzegorz Jóźków

Kamila Pawłuszek-Filipiak Krzysztof Stasch



WROCŁAW UNIVERSITY OF ENVIRONMENTAL AND LIFE SCIENCES





# **Behind The Course**



TUWien, Austria

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Radoslaw Guzinski DHI Group, Denmark

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Thierry Oppikofer Terranum, Switzerland

Ana B. Ruescas Brockmann Consult GmbH, Germany & University of Valencia, Spain Jedrzej Bojanowski CloudFerro, Poland

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> Maya Ilieva UPWr, Poland

**Tomasz Niedzielski** University of Wrocław, Poland

> Fabrizio Ramoino Serco c/o ESA, Italy

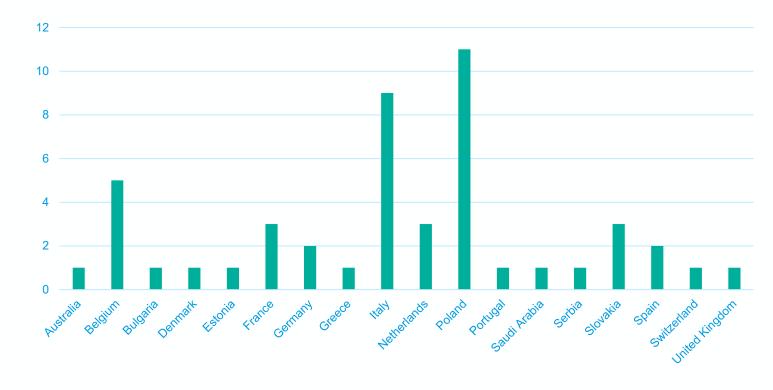
**Pietro Stradiotti** TUWien, Austria

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# Some statistics





Total number – 48

18 countries24 nationalities

# eo4society.esa.int



#### → EUROPEAN SPACE AGENCY

#### eo science for society



#### × Home Opportunities **Invitations to Tender** OBSERVATION IN ACTION Training & education Workshops Platforms Tools Communities EO training & education **Special Initiatives** wide range of activities in the field of Earth Observation (EO) education, training and capacity buildin **Projects and Results** The scope of these activities ranges from high level training in state-of-the-art processing for the next generation of cientists to more general outreach activities and Earth Observation education for schools. About

Contacts

 Training/Education
 U-TEP webinars | Bring your own processors to the platform

Advanced training course on Land

remote sensing with the focus on

Straining/Education



SEP

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Upcoming events

Agriculture

IV ESA EARSEL CNR School: Remote Sensing for Forest Fires

Straining/Education



Advanced Ocean Synergy training course 2019

Straining/Education

More events

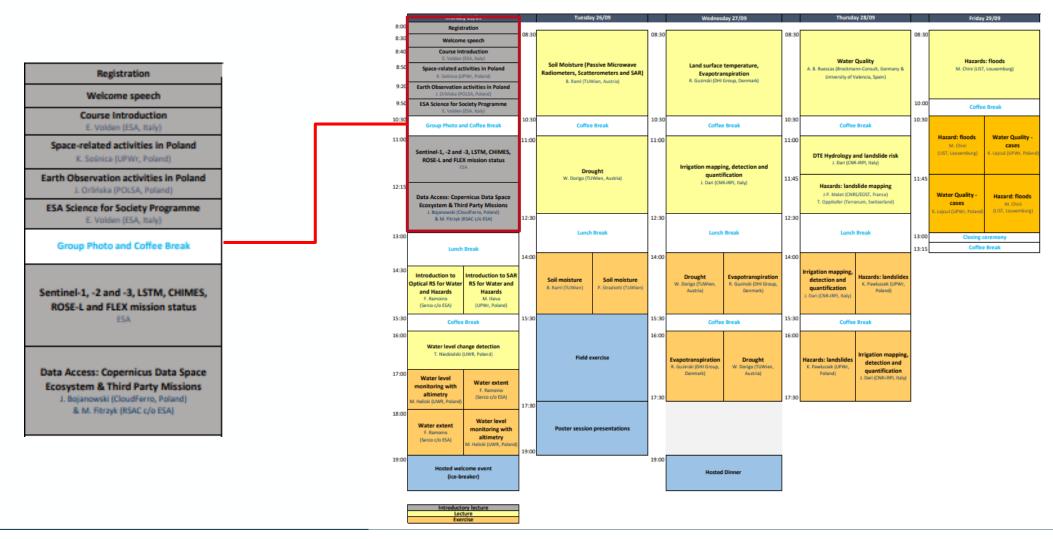
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25-29 SEPTEMBER 2023 WROCŁAW, POLAND 12th ADVANCED TRAINING COURSE ON LAND REMOTE SENSING Hydrology and Hazards



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> THE EUROPEAN SPACE AGENCY

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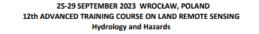
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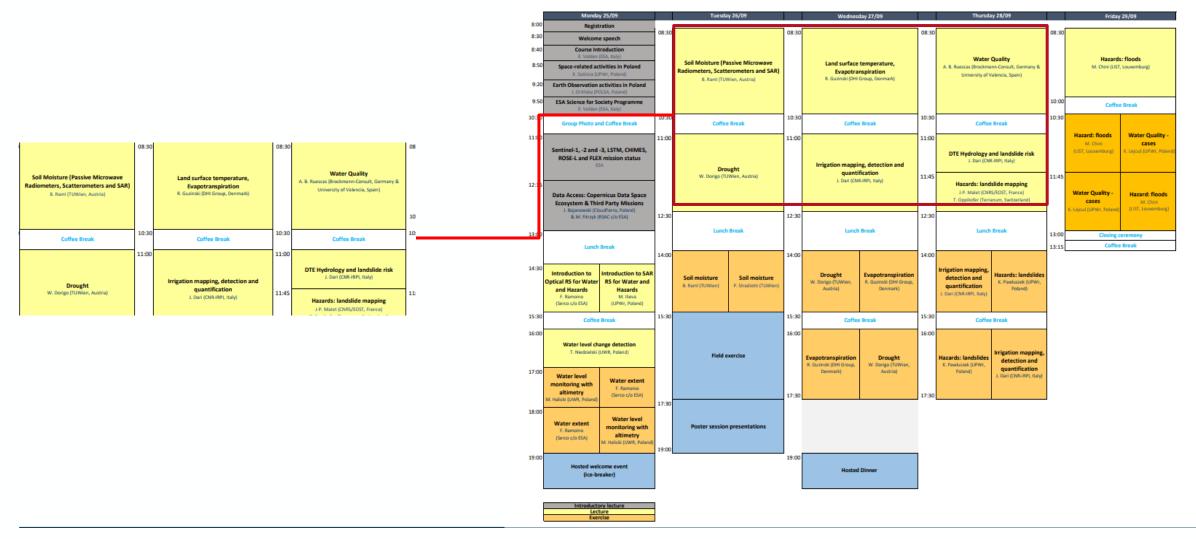


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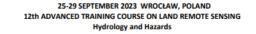
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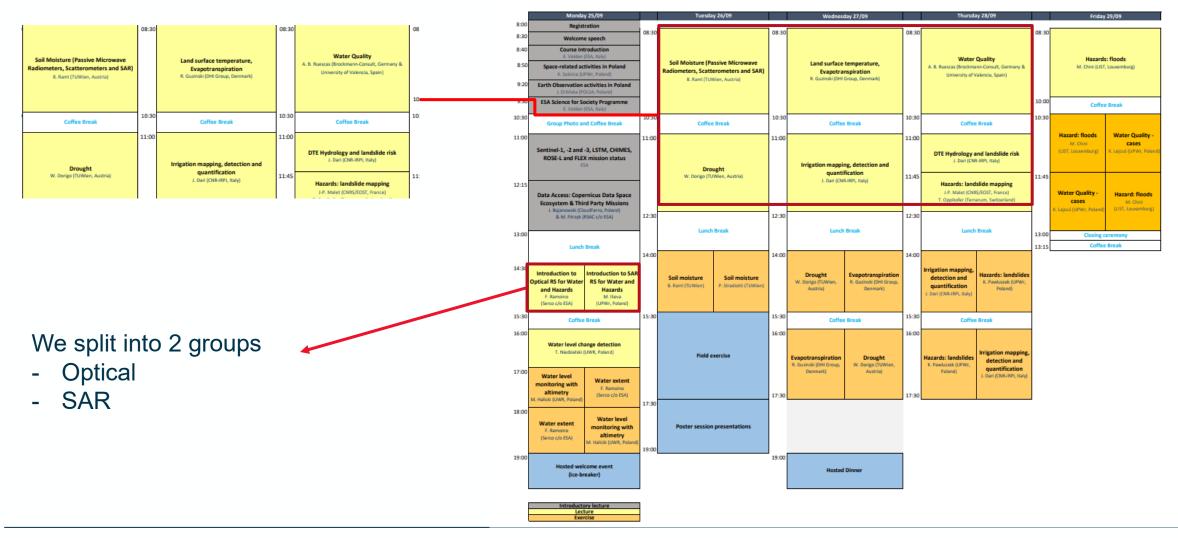
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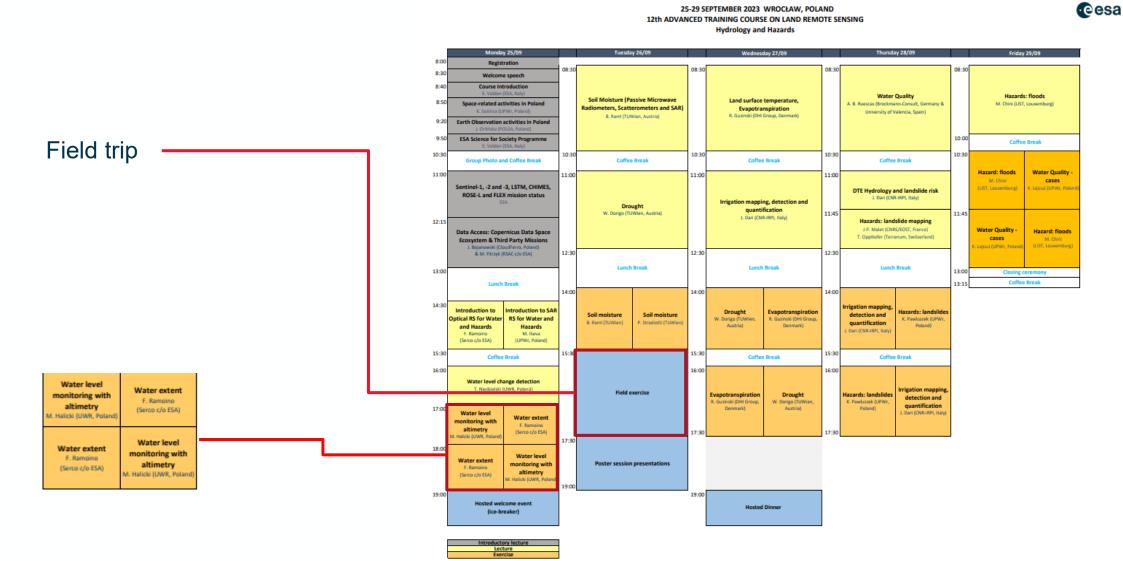


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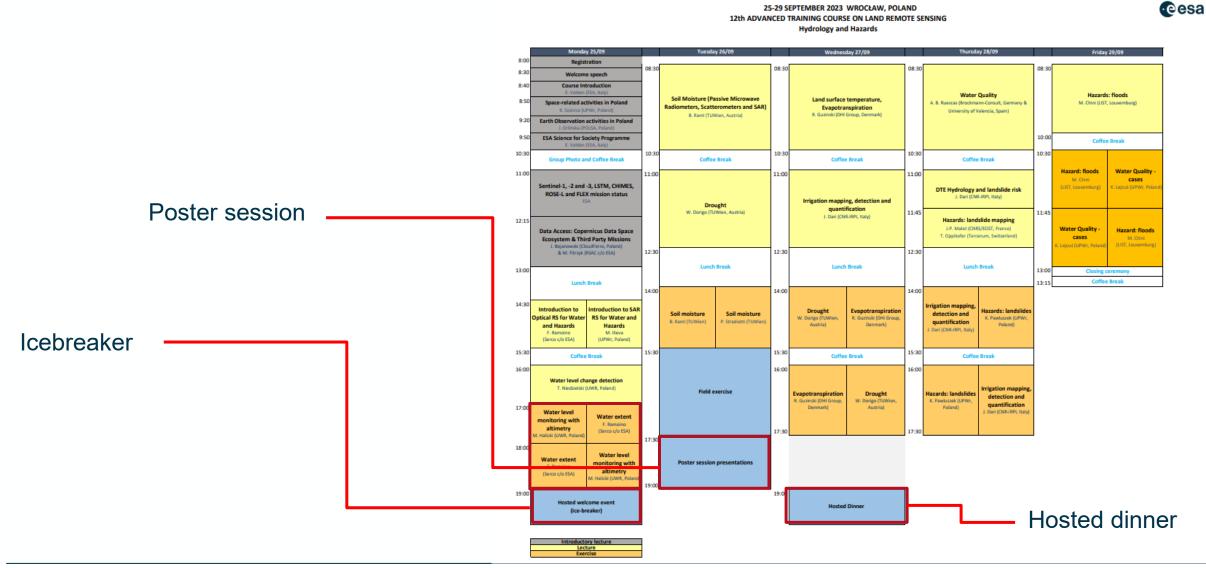
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#### **Certificate of Attendance**

To get a certificate, attendance is <u>mandatory</u> for all lectures and practical classes Not enough to attend one or two lectures or to pick and choose from the programme Attendance lists will be in circulation during the week Certificates will be awarded during the closing ceremony on Friday

### **ECTS Credits**

Will be awarded on request Please contact organisers if interested

### **Online Course Evaluation**

To provide feedback to improve for future courses 10 minutes to complete

The questionnaire is anonymous

Link to website will be provided by email (by the end of the course)

Course material will be made available on eo4society.esa.int

