





→ 7th ADVANCED TRAINING COURSE ON LAND REMOTE SENSING

4–9 September 2017 | Szent István University | Gödöllő, Hungary

Course Intro

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Science, Applications and Climate Department
ESA – European Space Agency
Frascati, Italy

Why ESA Advanced Training Courses?



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

Objectives:

- Training the next generation of EO scientists
- Explaining theoretical principles, processing algorithms, data products and their use in applications
- Introducing tools and methods for the exploitation of satellite EO data, in particular from the Sentinels
- Stimulating and supporting the exploitation of ESA and non-ESA EO data for land remote sensing science and applications
- Networking among young scientists.

















Previous Editions





Lisbon 2007



Prague 2009



Krakow 2011



Athens 2013



Valencia 2014



Bucharest 2015

Behind The Course



Organising Committee

- European Space Agency (ESA)
 - Zoltan Bartalis
 - Yves-Louis Desnos
 - Andy Zmuda
 - Irene Renis
 - Magdalena Fitrzyk
- Szent István University (SZIU)
 - Zoltán Vekerdy
 - Attila Zsarnovszky
- Hungarian Space Office (HSO)
 - Zoltán Zboray







Field Trip Supporters

- Institute of Water and Environmental Management, University of Debrecen, Hungary
- National Agricultural Research and Innovation Centre, Hungary









Behind The Course



International team of top-notch lecturers

- Dr Ahmad Albitar, CESBIO, France
- Prof Lorenzo Bruzzone, *University of Trento*, Italy
- Prof Costas Cartalis, University of Athens, Greece
- Prof Wouter Dorigo, Vienna University of Technology, Austria
- Dr Grégory Duveiller, Joint Research Centre, Italy
- Prof Laurent Ferro-Famil, University of Rennes 1, France
- Dr Michael Foumelis, BGRM, France
- Prof Andy Hooper, Leeds University, UK
- Dr Sebastian van der Linden, Humboldt-University Berlin, Germany

SZIU students helping with the practicals

János Grósz

- Márton Tolnai
- Ádám Csorba
 Sándor Takács

- Dr Alessandro Marin, Solenis c/o ESA ESRIN, Italy
- Prof José Moreno, Univeristy of Valencia, Spain
- Prof Kostas Papathanassiou, DLR, Germany
- Prof Eric Pottier, *University of Rennes 1*, France
- Dr Fabrizio Ramoino, Serco c/o ESA ESRIN, Italy
- Dr Ana Ruescas, Brockmann Consult GmbH, Germany
- Prof Bob Su, *University of Twente*, Netherlands
- Prof János Tamás, University of Debrecen, Hungary
- Dr Angelica Tarpanelli, CNR, Italy
- Prof Zoltán Vekerdy, Szent István University, Hungary

Course Website





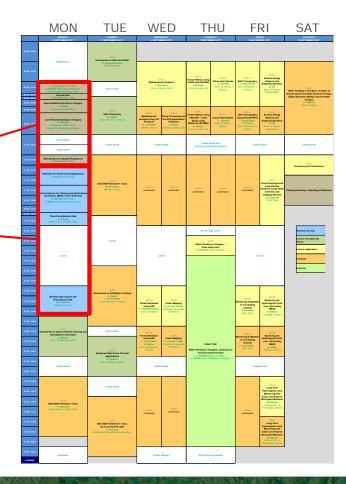


http://eoscience.esa.int/landtraining2017

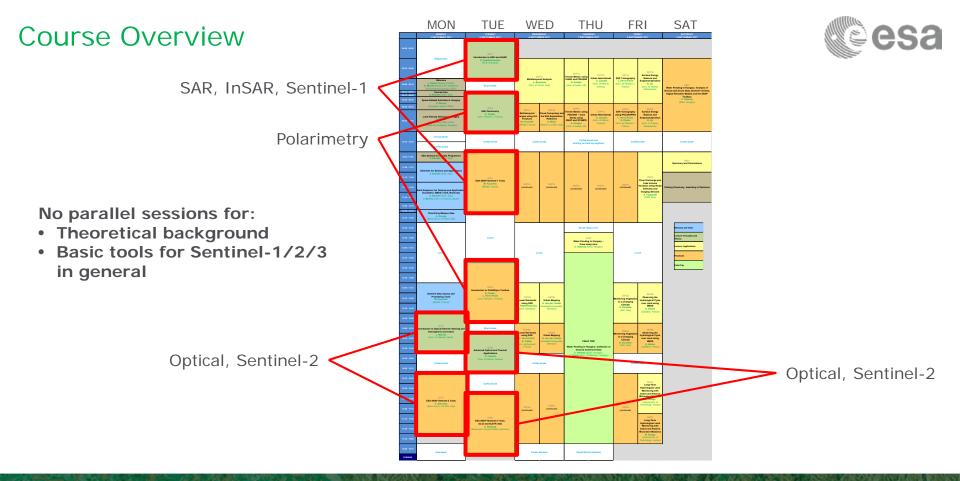


Opening, context

Data, tools and recent results – Copernicus, ESA, national and other third-party missions

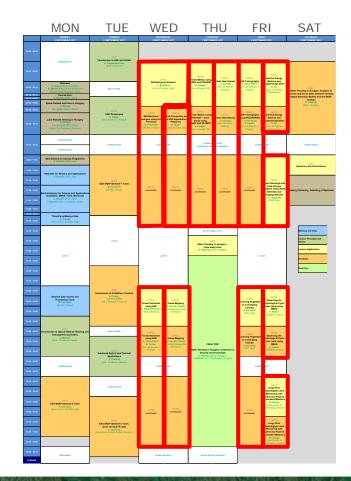




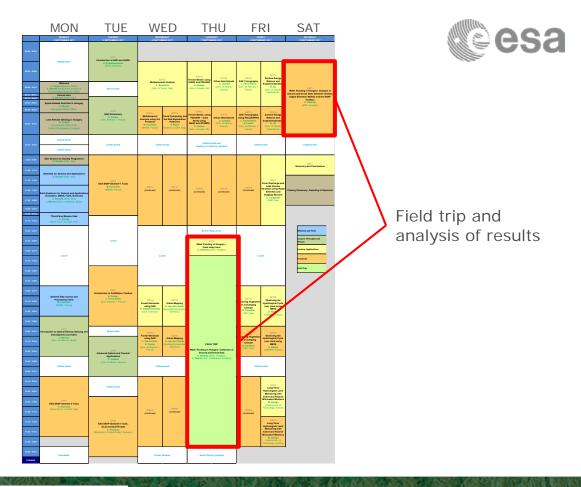


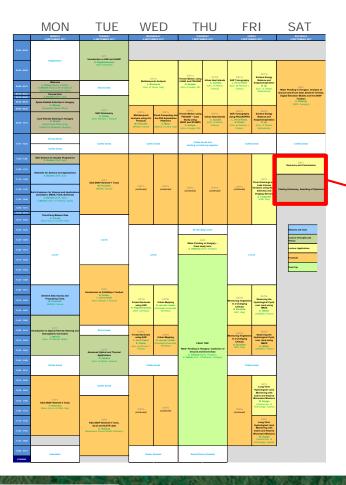
EO Applications in-depth (theory and practice):

- Multitemporal analysis
- EO processing in the cloud
- Forestry products
- Urban mapping
- Terrain motion
- Urban thermography
- SAR tomography
- Full-day water cycle theme (Friday)





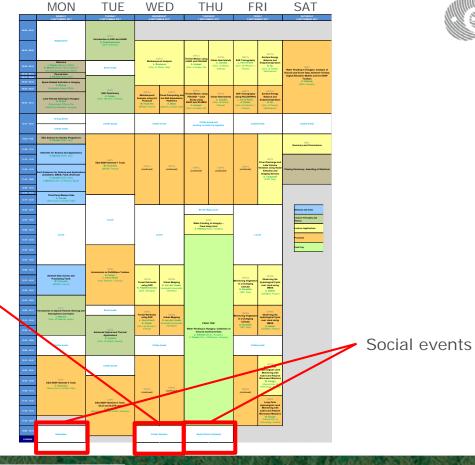






Conclusions,
Delivery of the
Certificate of
Attendance,
Best Poster Award,
Closing





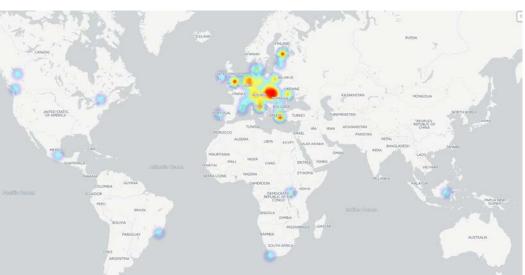
Poster session

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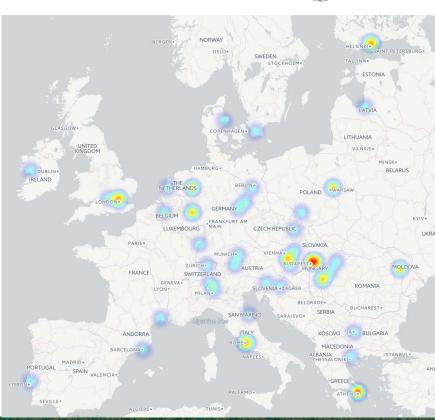
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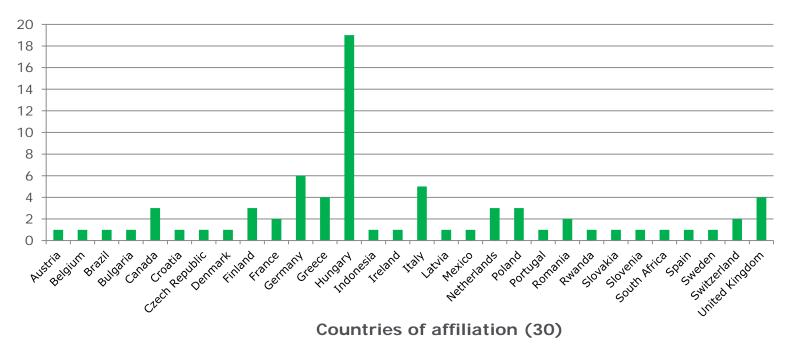
Location of affiliations of accepted participants



Total applications: 189 Accepted participants: 74

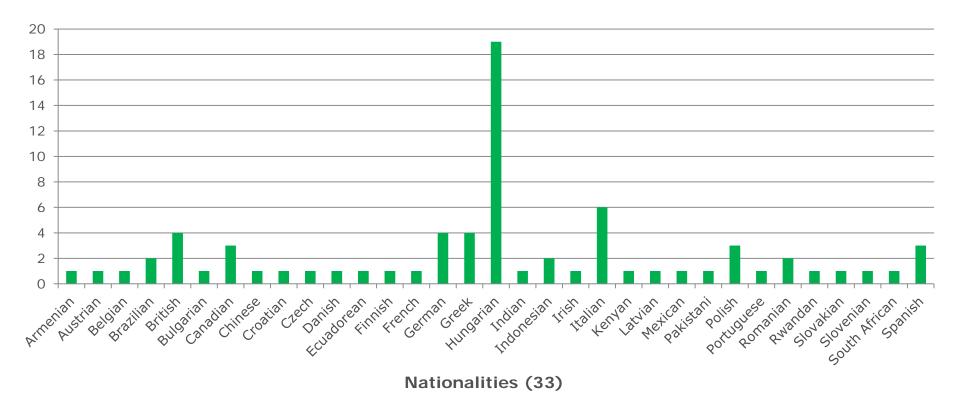




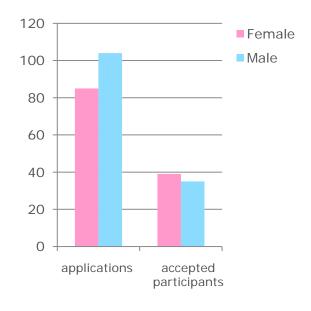


of which: ESA member/cooperating/associated states (21), other European (4), other non-European (5)

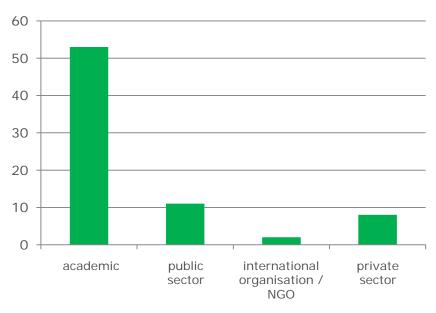








Gender



Affiliation type

Good to Know



Certificate of Attendance

- To get a certificate, attendance is mandatory 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 Saturday

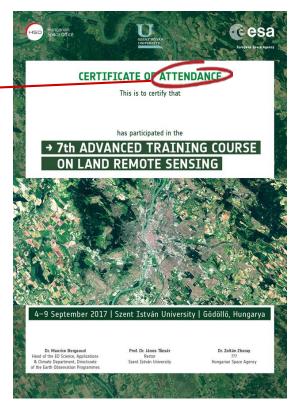
ECTS Credits

- Will be awarded by SZIU on request
- Forms will be circulated during the week

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

Course material including videos will be made available on course website by end-September 2017



Poster Session



- Poster Exhibition open at the ground floor corridors near the Rector's Hall on Wednesday
- Mounting of posters from Wednesday morning, during coffee breaks and lunch
- Please check to find your poster board number on the list in the poster area
- Boards are labelled, please mount on the correct board
- Please take time to view the posters during the session but also make yourself available for discussion about your own poster with colleagues and lecturers
- Posters in PDF form will be shared on the course website by end-September (unless you do not want that)



Corridor of the main poster area

Logistics



If you haven't yet received the small **Welcome Package** please see one of the organisers

Classrooms, training rooms, poster exhibition space, coffee breaks, meals, etc. see:

- Info Note distributed via e-mail and available on course website
- Campus map on back of your badge
- Daily programme in welcome package (light version) and available on course webpage (more detailed)

Information point: available just outside the Rector's Hall during the week.



Logistics



Badges

- Colour-coded:
 - Lectures Blue
 - Students Green
 - Guests Red
 - Organisers –Light brown
- Please wear at all times while on site
 - Helps us to recognise each other
 - Easily recognised by guards and university staff
- Participant list: provided in welcome package

In case of any need please ask the organisers or call the numbers on the back of your badge









Logistics



Wifi access and logins to the computers:

- user_ID and password was provided in welcome package. Use these to login into the computers in the computer rooms
- Wifi: login to **eduroam** network using **[user_ID]@szie.hu** as user name and the provided password

In case of any need please ask the organisers or call the numbers on the back of your badge.

Spreading the Word





#ESALTC17

