

# ESA 14<sup>th</sup> ADVANCED TRAINING COURSE ON LAND REMOTE SENSING: Agriculture

Espen Volden  
Magdalena Fitrzyk

ESA UNCLASSIFIED - For ESA Official Use Only

1





# 14<sup>th</sup> edition of Land Training Course



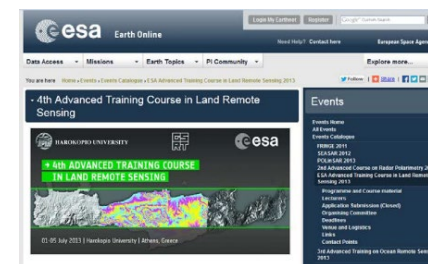
Lisbon 2007



Prague 2009



Krakow 2011



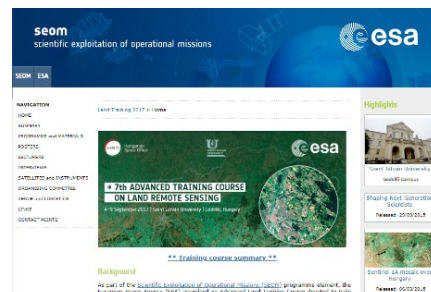
Athens 2013



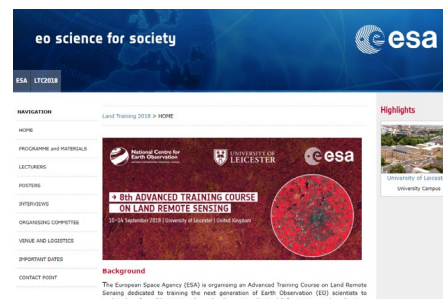
Valencia 2014



Bucharest 2015



Gödöllő 2017



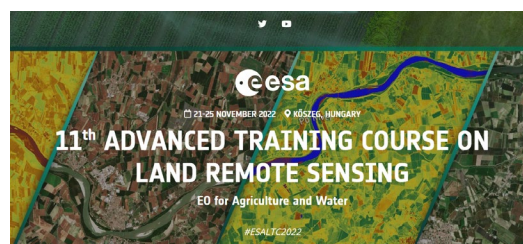
Leicester 2018



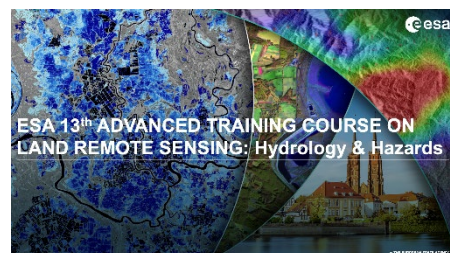
Louvain 2019



Ljubljana 2021



Kőszeg 2022



Wroclaw 2023



Innsbruck 2024

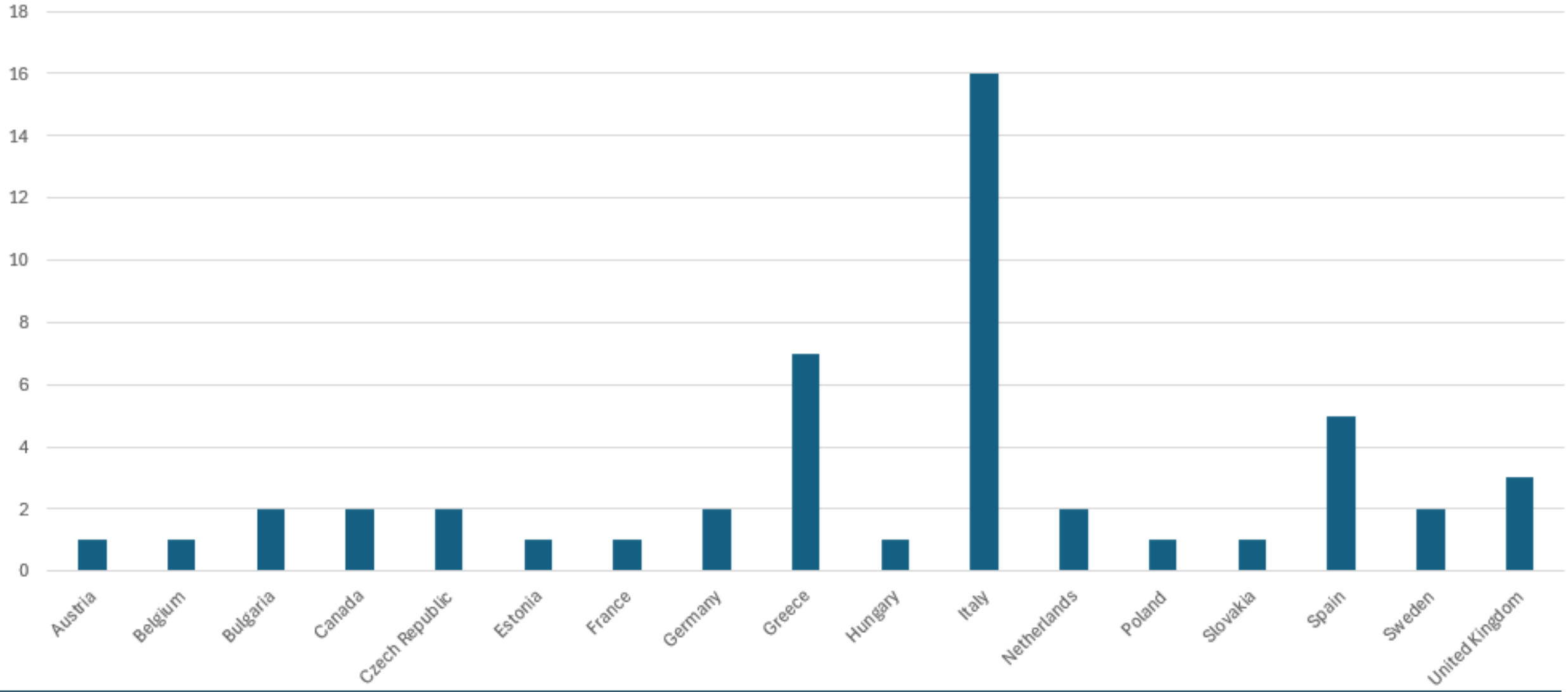


Thessaloniki 2025



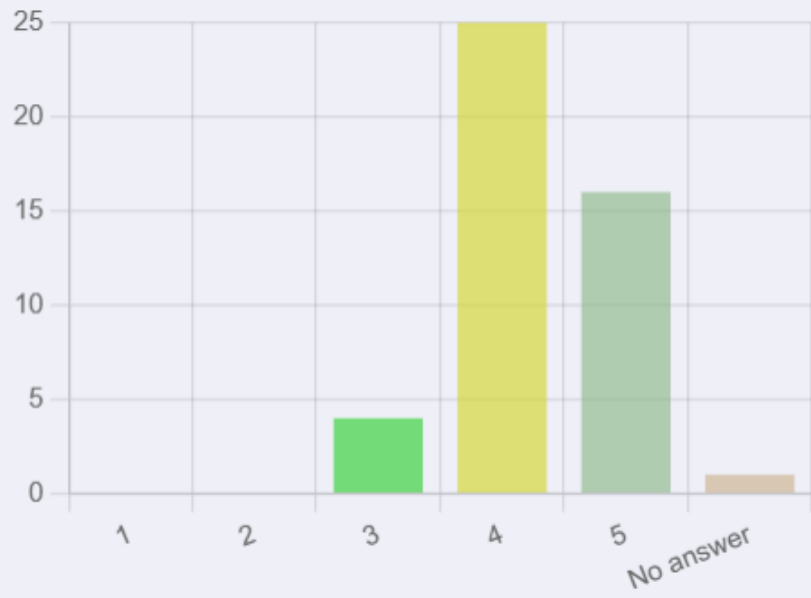


# Participants by country of affiliation



# The level of the course was appropriate.

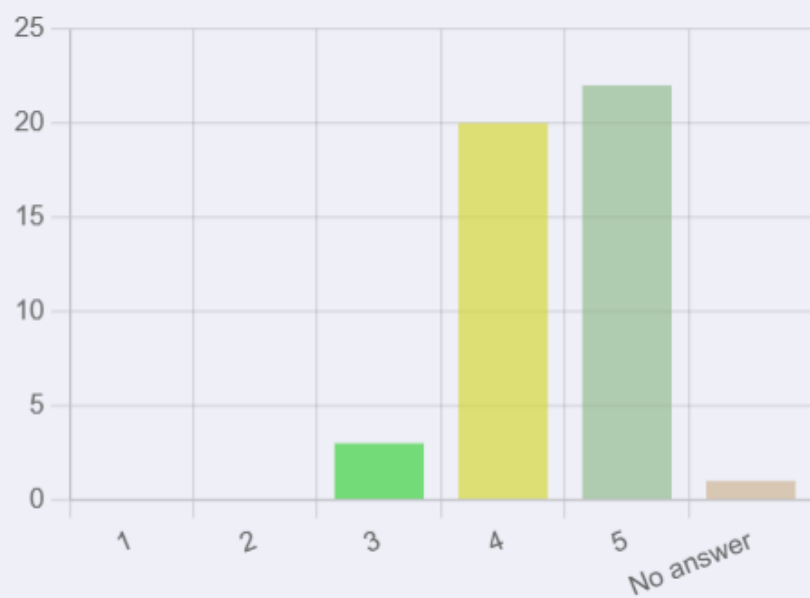
Arithmetic mean 4.27 Standard deviation 0.62



- 1
- 2
- 3
- 4
- 5
- No answer

# The course extended my knowledge of land remote sensing for agriculture.

Arithmetic mean 4.42 Standard deviation 0.62



- 1
- 2
- 3
- 4
- 5
- No answer

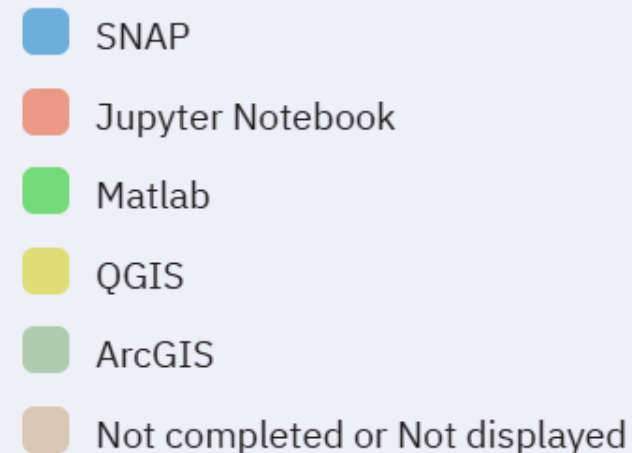
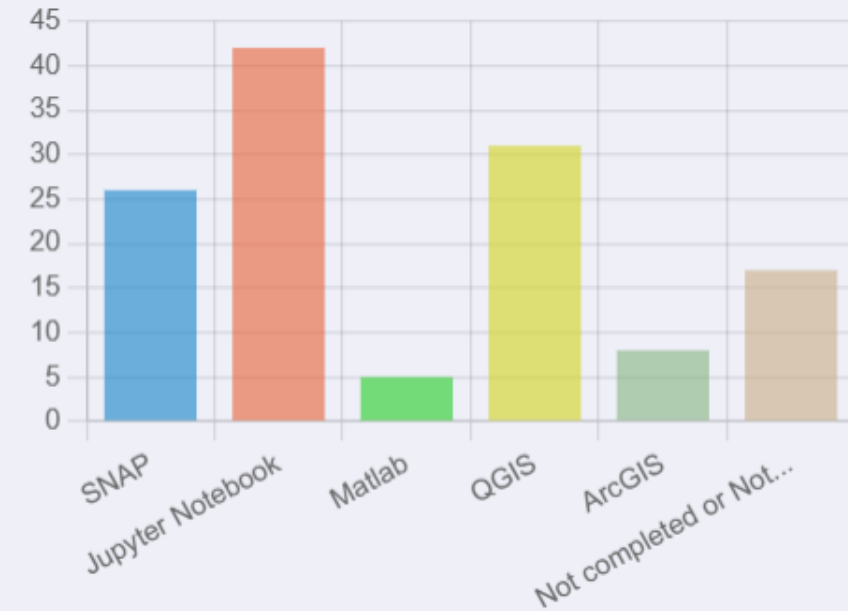


*"I have found it sometimes bit difficult to grasp (...) but I think I have understood most of it and it was really usefull"*

*"I already know well the argument"*

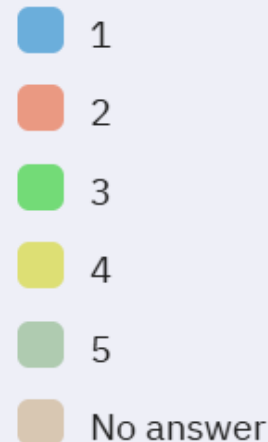
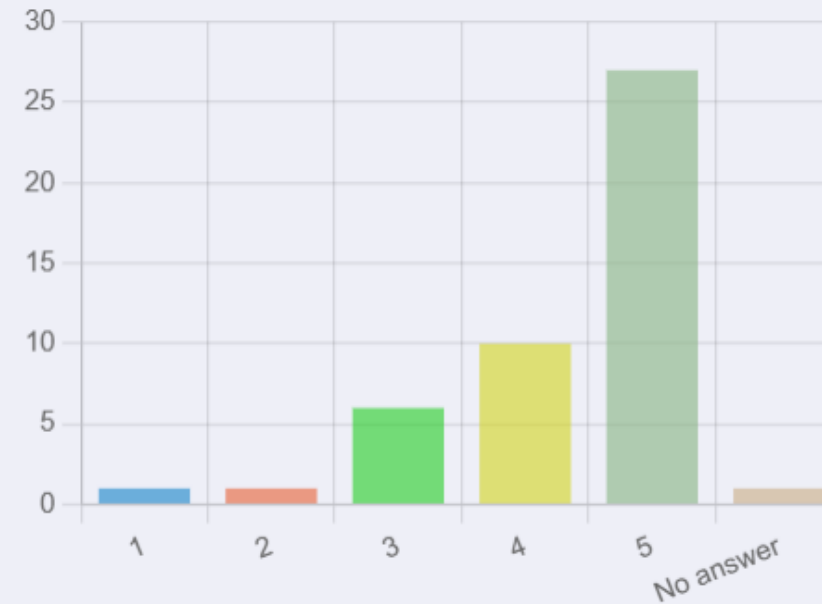
*"I want to learn about all aspects, I am happy to fill the gaps I have in each of them (...)"*

# Which tools/software would you recommend to be used for the practicals during ESA training courses?



# The lighting talk session was useful.

Arithmetic mean 4.36 Standard deviation 0.96



*"I would like to see the use of openEO or generally more cloud based and fast product fetching tools"*

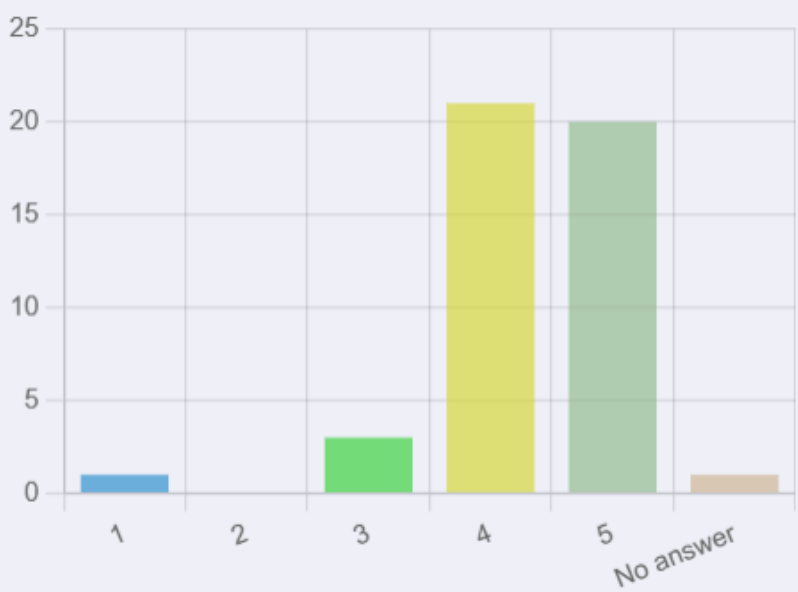
*"All lecturers could agree to make exercises in the same environment - i.e. Jupyter notebook, Collab, ..."*

*"Include only open source software"*

*"Send out all files and software needed one week prior to the course (...)"*

The course was well-organised.  
I have received appropriate  
support during the course.

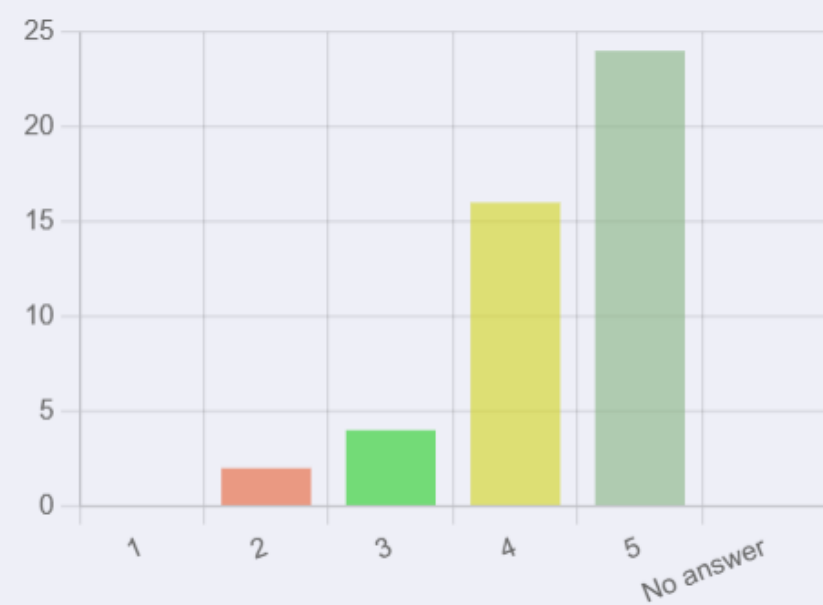
Arithmetic mean 4.31 Standard deviation 0.79



- 1
- 2
- 3
- 4
- 5
- No answer

Prior to the course, the  
communication with the  
organisers was good.

Arithmetic mean 4.35 Standard deviation 0.82



- 1
- 2
- 3
- 4
- 5
- No answer



*"Overall the course has been  
a pleasant experience and  
will be remembered well"*

*"Just to say huge thanks for  
all your effort, professionalism  
and kindness, it has been  
extremely usefull and I am  
sure I will implement the new  
knowledge and skills into my  
research and teaching"*

# Some points mentioned by participants

- Location could be less remote.... However, NOESIS was still quite accessible even by bus 66
- It was very nice to have shuttle bus
- Social events were very well organised
- Data and SW requirements could be distributed more in advance

AND AS USUALLY (the most popular comments in all our courses):

- Days could be shorter, less material
- More practice, going deeper into advanced applications



## Organising Committee

### European Space Agency (ESA)

Espen Volden

Magdalena Fitrzyk

Irene Renis

### Aristotle University of Thessaloniki



### CIRI-AUTH Center for Interdisciplinary Research and Innovation



Prof. Antonios Mouratidis



**Mariana Belgiu**

UT-ITC

**Elise Colin**

ONERA

**Gohar Ghazaryan**

ZALF

**Egor Prikaziuk**

UT-ITC

**Piet Emanuel Büechi**

TU Wien

**Jadu Dash**

Univ. Southampton

**Tian Hu**

LIST

**Kristof Van Tricht**

VITO

**Marco Celesti**

ESA

**Magdalena Fitrzyk**

RSAC c/o ESA

**Luintel Nirajan**

TU Wien

**Jochem Verrelst**

Univ. Valencia

Course material will be made available on [eo4society.esa.int](https://eo4society.esa.int)

ECTS certificates will be sent by email

Ευχαριστώ!  
THANK YOU