



APPLICATION DEADLINES AND FEES

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| Application submission | 15 December 2017 |
| Notification of acceptance | February 2018 |

Application is made via the training course website and number of participants is subject to selection as there is a maximum of 60 places. No participation fees will be charged for the course. Participants are expected to finance their own travel and accommodation expenses. The official language of the course is English.

ORGANISING COMMITTEE

Yves-Louis Desnos (ESA)
 Sara Aparício (ESA), Ulla Vayrynen (Serco c/o ESA)
 Stein Sandven, Adrian Luckman, Frank Nilsen, Ane Bjørsvik (UNIS)
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Apply at/Get further information: <http://eoscience4society.esa.int/CTC18>



→ ESA CRYOSPHERE REMOTE SENSING TRAINING COURSE 2018

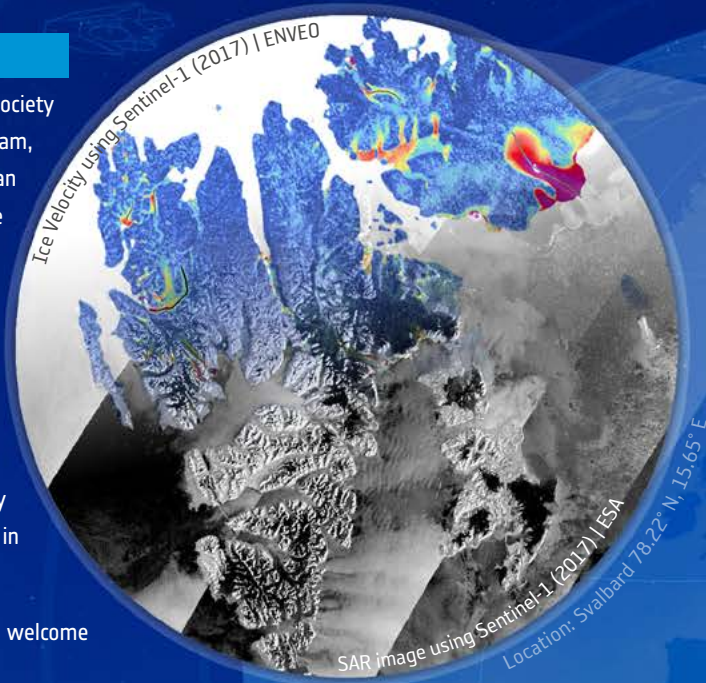
11–16 June 2018
 UNIS, University Centre in Svalbard | Longyearbyen, Svalbard

BACKGROUND

As part of the Earth Observation (EO) Science for Society – Scientific Exploitation element of EOEP-5 program, the European Space Agency (ESA) is organizing an advanced training course on remote sensing of the Cryosphere, devoted to train the next generation of scientists and specialists to exploit EO data for science and applications.

Postgraduate-level, PhD students, post-doctoral research scientists and users from Europe and Canada interested in applications of remote sensing of the Cryosphere are welcome to apply to the 6-day course, held at University Centre in Svalbard (UNIS) in Longyearbyen, Svalbard, from 11 to 16 June 2018.

Participants from all other countries are also welcome to apply, subject to availability of places.

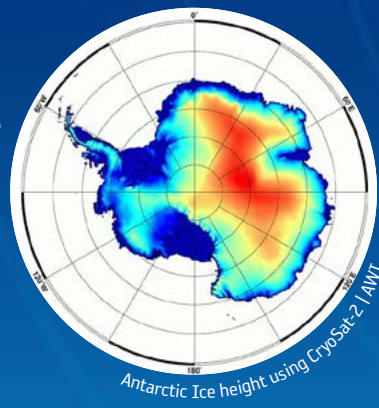


CONTENTS

The course will provide advanced scientific knowledge on theory and applications for Cryosphere remote sensing.

It will be organised around 5 main topics:

- State of art of EO of the Cryosphere and presentation of the Sentinel ESA/National and Third Party Cryosphere missions and Svalbard geographical importance within EO data system;
- Theoretical fundamentals of spaceborne optical, thermal and SAR remote sensing;
- Lectures on EO Cryosphere applications;
- Practicals using toolboxes for data exploitation, processing and product demonstrations;
- Fieldwork for in-situ data collection.



The formal lectures will be given by leading scientists and professors and computing exercises will take place on a virtual machine. The half-day fieldwork will be held during the week for posterior integration with satellite data. Participants are expected to give a lightning talk on their current relevant research.

OBJECTIVES

- To train the next generation of scientists on Remote Sensing of the Cryosphere;
- To provide an advanced understanding of theoretical principles, processing algorithms, data products and their use in applications;
- To give hands-on practice with tools and methods for satellite data exploitation as well as fieldwork experience for in-situ cryosphere-related data collection;
- To provide insights of EO challenges/opportunities within the polar context for further studies.



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↓ Nordenskiöld Glacier, Svalbard



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TRAINING COURSE 2018**

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