



KEPLER



KEPLER online workshop for early career scientists

17-18th February 2021

This online workshop will be held through the video platform Zoom

<https://met-no.zoom.us/j/9982678094>



Co-funded by the Horizon 2020 programme of the European Union

[KEPLER online workshop for early-career scientists](#)
[17-18th February 2021](#)



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[Introduction](#)

The Horizon 2020 funded project KEPLER (Key Environmental monitoring for Polar Latitudes and European Readiness) is planning to host an online workshop 17-18th February for students and Early Career Scientists. The workshop and training sessions are free of charge.

This online workshop is open for students and early career scientists within Earth Observation and who use data from Polar Regions. We will have social networking sessions, student presentations, and training sessions. The sessions are not just “sit and listening”, several of them are interactive with breakout rooms to create fruitful discussions. They are not longer than an hour and are mixed up with QA from the audience and case studies to keep people engaged.

KEPLER (Key Environmental monitoring for Polar Latitudes and European Readiness) is a multi-partner initiative, built around the operational European Ice Services and Copernicus information providers, to prepare a road map for Copernicus to deliver an improved European capacity for monitoring and forecasting the Polar Regions. Read more about the project here: <https://kepler-polar.eu>

[Video Conferencing etiquette](#)

- Make use of the joining period time to test your connection before the meeting begins.
- Please have your name including and your organization in the NAME TAG
- Please ensure your microphone is muted during presentations to avoid unnecessary background noise.
- Please avoid interrupting presenters- if you have a question before the allocated question slots, please write it in the message box and we will address it after the presentation.
- Follow the agenda, and endeavor to minimize running overtime. If you have an off topic question, we have provided an opportunity to raise this at the end of the video conference.
- Be aware that some of the sessions will be recorded, this will be announced prior to start



Programme

Wednesday 17th February

Time (UTC +1)	Title	Presenter
0900	Morning coffee, networking event	Ole Jakob Hegelund (MET Norway)
0930	Welcome and introduction	Ole Jakob Hegelund (MET Norway)
0945	General overview of the KEPLER Project	PI Nick Hughes (MET Norway)
1015	Break	
1030	Introduction to Copernicus and its services	PI Nick Hughes (MET Norway)
1045	ESA - Cryosphere Virtual Laboratory	Eirik Malnes (NORCE), Mikhail Itkin (NPI)
1100	Lunch break	
1200	Panel discussion - with KEPLER WPL's, QA	Chair: Richard Hall (Equinor), Co-chair: Shridhar Jawak (SIOS)
1310	Break/networking	
1325	ECS/student - Arctic Case studies related to Copernicus	Chair: Shridhar Jawak (SIOS)
1325	Using SAR satellite imagery to understand the effects of sea ice deformation on ice thickness	Luisa von Albedyll (AWI)
1335	The use of a Convolutional Neural Network (CNN) for sea/ice separation	Joakim L. Pedersen (MET Norway)
1350	Case study using differential InSAR technique from Zackenberg valley, Greenland	Lotte Wendt (ULUND)
1405	Ice-edge prediction forecast modelling	Bimochan Niraula (AWI)
1420	Break	
1435	Training session: Geospatial training session in Python (part 1)	Nick Hughes (MET Norway)
1545	Closing remarks day 1	Ole Jakob Hegelund (MET Norway)



Thursday 18th February

Time (UTC +1)	Title	Presenter
0900	Coffee, networking event	Ole Jakob Hegelund (MET Norway)
0930	Introduction	Ole Jakob Hegelund (MET Norway)
0935	Training session: Geospatial processing in Python (part 2)	Alistair Everett (MET Norway)
1035	Break	
1100	Breakout rooms: How is your data applicable to your research?	Moderators: Shridhar Jawak (SIOS), Penny Wagner (MET Norway), Ole Jakob Hegelund (MET Norway)
1130	ECS/student - Polar Case studies related to Copernicus	Chair: Shridhar Jawak (SIOS)
1130	Investigations of ice-caps on islands in Antarctica	Anatolii Chernov (National Antarctic Scientific Center of Ukraine)
1145	Case study from an Himalyan glacier	Shanta Kumar (CUHP)
1200	Model-Data Fusion for improving quantification of CH ₄ fluxes from Arctic wetlands with LPJ-GUESS	Jalisha Tk (ULUND)
1215	Free time slot	TBD
1230	Free time slot	TBD
1245	Closing remarks day 2	Ole Jakob Hegelund (MET Norway)