

## **Forum on “Network of oceanic lidars for the validation of Ocean Color satellite missions” – May 20-22, 2025**

### **Draft agenda**

**Convenors:** Kelsey Bisson, Davide Dionisi, Cédric Jamet, Iwona Stachlewska and Yudi Zhou.

#### **Tuesday 20 May 2025**

- 10:00-10:30:  
10:30 - 11:00: Arrival of the participants  
11:00 - 11:15: Welcome remarks (Cédric Jamet, Davide Dionisi)  
11:15 – 11:30: Welcome remarks from ISSI (Raphael Marschall, Michael Rast)  
11:30 – 12:30: Round table  
14:00 - 14:15: Presentation of the goal of the ISSI FORUM (C. Jamet, D. Dionisi)  
14:15 – 14:35: What is ocean color and why we need lidar? (Cédric Jamet)  
14:35 – 14:55: Lidar applications for ocean color (Davide Dionisi)  
14:55 – 15:15: Satellite oceanic lidar (Kelsey Bisson)  
15:15 – 15:35: Arctic applications (Siqi Zhang)  
15:35 – 16:05: LUCE space mission (Paolo Di Girolamo)  
16:05 – 16:30: Break  
16:30 – 18:00: Discussions

#### **Wednesday 21 May 2025**

##### **09:00 - 12:30: *In situ oceanic lidar instrumental characteristics I***

- 08:30 - 09:00: Arrival of the participants  
09:00 – 09:15: Welcome remarks and introduction to the session (Cédric Jamet, Davide Dionisi)  
09:15 – 09:35: Airborne oceanic lidar in China (Peng Chen)  
09:35 – 09:55: Airborne oceanic lidar in US (Chris Hostetler)  
09:55 – 10:15: Shipborne oceanic lidar in China (Yudi Zhou)  
10:15 – 10:35: Shipborne oceanic lidar in Europe (Federico Angelini)  
10:35 – 10:55: Shipborne oceanic lidar in China (Mingjia Shang guan)  
10:55 – 11:15: Coffee break

11:15 – 12:30: Discussion on characteristics needed for an oceanic profiling lidar (which wavelengths, which vertical resolution, which energy, ..)

12:30 – 14:00: Lunch break

14:00 - 18:00: In situ oceanic lidar instrumental characteristics I

14:00 -- 14:15: Introduction to the session (Cédric Jamet, Davide Dionisi)

14:15 – 14:35: Lidar solutions at CIMEL (Stéphane Victori)

14:35 – 14:55: Lidar solutions at Raymetrics (George Georgoussis)

14:55 – 15:15: Lidar solutions at BEAM-Sea (Fraser Dalgleish)

15:15 – 15:35: Lidar solutions at LifeLidar (Vadim Pelevin)

15:35 - 16:00: Coffee break

16:00 - 18:00: Discussions on requirements for oceanic profiling lidar and to build commercial lidars

19:30: Group dinner at XXXX

**Thursday 22 May 2025**

09:00 - 12:30: oceanic lidar algorithms

08:30 - 09:00: Arrival of the participants

09:00 – 09:15: Welcome remarks and introduction to the session (Cédric Jamet, Davide Dionisi)

09:15 - 09:35: Oceanic lidar algorithms (Cédric Jamet)

09:35 – 09:55: Multiple-scattering correction in the ocean (Yudi Zhou)

09:55 – 10:15: Oceanic lidar algorithms for current space-borne lidar (Kelsey Bisson/Xiaomei Lu)

10:15 – 10:35: Coffee break

10:35 – 12:30: Discussion on algorithms requirements (ocean variables to be measured through lidars, uncertainties levels of data products ...)

12:30 - 14:00: Lunch (outside, not organized)

14:00 - 18:00: oceanic lidar networks

14:00 – 14:15: Introduction to the session (Cédric Jamet, Davide Dionisi)

14:00 - 14:20: ACTRIS/EARLINET (N. Siomos)

14:20 - 14:40: AERONET – OC (M. Talone)

14:40 – 15:00: Example of a monitoring station (Iwona Stachlewska)

14:40 - 16:00: Discussion on in-situ oceanic lidar network (geographical location, observation regularity, standardization of measurements, data products)

16:00 - 16:30: Coffee break

16:30 - 17:30: Final discussion and recommendations

17:30 - 18:00: Wrap-up and conclusions