



# The 4<sup>th</sup> Global Ocean Acidification Observing Network (GOA-ON) International Workshop

14-17 April 2019 • Hangzhou, China

## SPECIAL EVENT 2: OCEAN CARBON FROM SPACE (SATCO2): JOINT SCIENCE TRAINING WORKSHOP

14 April 2019 Hangzhou, China

Ocean acidification and its effects on the ocean carbon cycle have resulted in increasing concern from the scientific community and the public. To quantify, understand and predict changes in the ocean carbon system, especially in the highly dynamic marginal seas, observations with various spatial-temporal scales are required. With unique advantages in large area and long time series observation, satellite remote sensing is an important data source for ocean carbon cycle monitoring and analysis, and its application potential has yet to be further explored. To promote multi-discipline application of marine satellite data, the State Key Laboratory of Satellite Ocean Environment Dynamics (SIO/MNR) and the Zhejiang Provincial Key Laboratory of Geographic Information System (ZJU) have jointly developed the SatCO2, a marine satellite data online analysis platform. This Training Workshop serves as an inter-disciplinary platform to facilitate and promote interaction and cooperation among scientists who aim to integrate satellite remote sensing data and biogeochemical studies for a better understanding of the ocean carbon system.

### CONVENER:

**Dr. Yan Bai**, State Key Laboratory of Satellite Ocean Environment Dynamics (SOED/SIO/MNR), China

**Dr. Feng Zhang**, Zhejiang Provincial Key Laboratory of Geographic Information System (ZJU), China

**Prof. Chen-Tung Arthur Chen**, National Sun Yat-Sen University, Taiwan, China

**DATE & TIME:** 14:30 – 17:30, 14 April 2019 (Sunday)

**VENUE:** Zhejiang Hotel, Hangzhou, China

### WHAT FEATURES SatCO2-PRO?

- 3D Earth visualization of multi-source remote sensing data
- Online analysis of long time-series satellite data
- User-defined algorithms and interactive analysis among multiple data sources (satellite, in-situ and model-simulation)
- Capacity of integrating specific application modules (e.g. marine carbon flux estimation, HAB detection, water quality monitoring, etc.)

### WHO SHOULD ATTEND?

- Scientists and researchers who are expert in marine biogeochemistry;
  - Satellite remote sensing users;
  - Stakeholders of ocean observation and management.
- All interested parties are encouraged to attend.

### NOTES:

- Participants should bring along their own computer/working station for the training practice. You are encouraged to visit [www.SatCO2.com](http://www.SatCO2.com) to download the SatCO2 software and user manual for reference.
- The attendance of this special event is free of charge. However, online registration is required.
- The working language for this training workshop is English.
- The GOA-ON Workshop will neither charge registration fee nor covers the travel and accommodations of participants who are ONLY attending this special event. If special event participants are interested to join the GOA-ON Workshop, they are welcome to register on-site.
- The GOA-ON Workshop will offer the conference room and coffee breaks to support this special event.

### CONTACTS:

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### Organizers & Sponsors



State Key Laboratory of Satellite Ocean Environment Dynamics (SOED)



Second Institute of Oceanography (SIO), Ministry of Natural Resources, China



Zhejiang University



Zhejiang Provincial Key Laboratory of Geographic Information System



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