

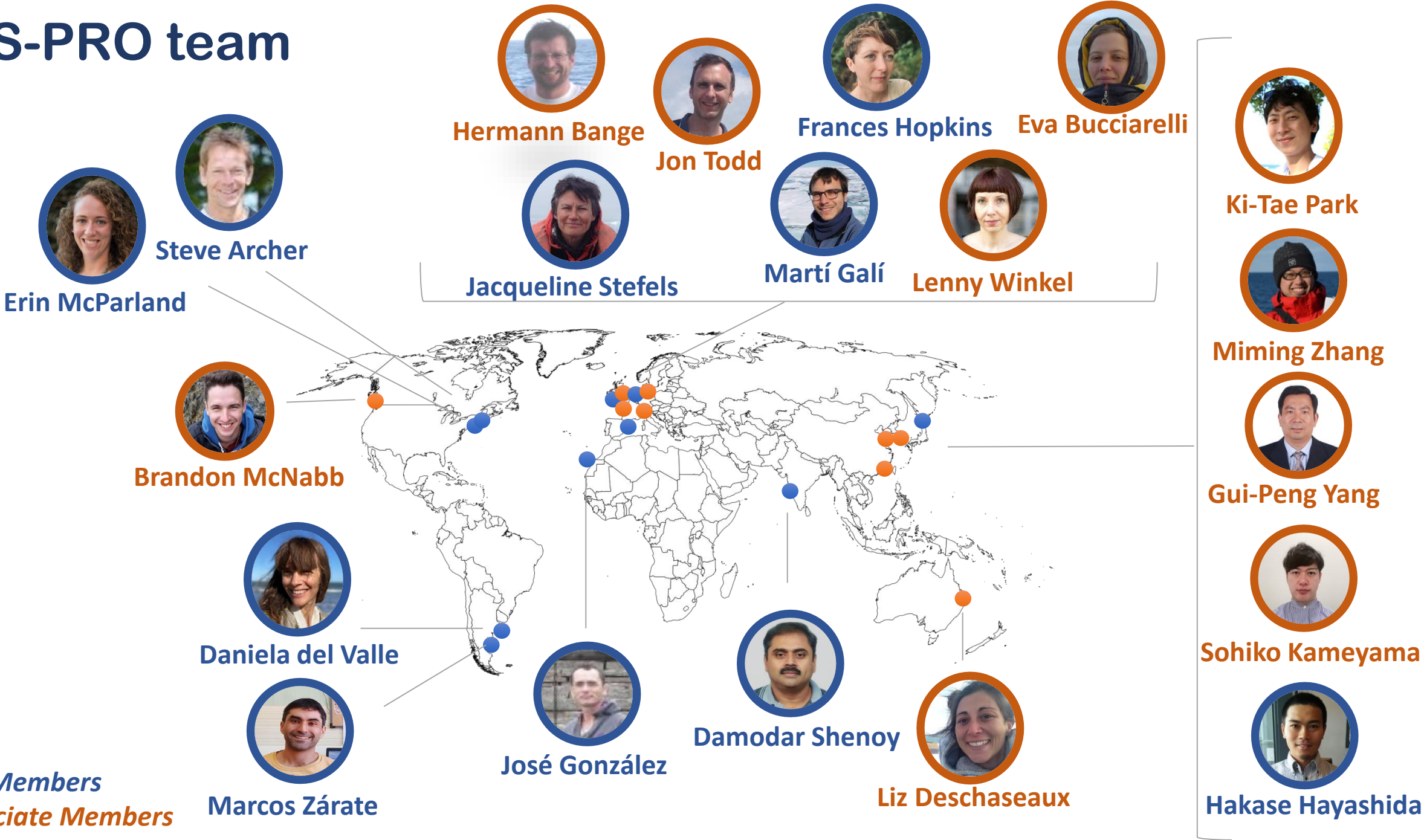
# DMS-PRO

DEVELOPING RESOURCES FOR THE STUDY OF METHYLATED  
SULFUR COMPOUND CYCLING PROCESSES IN THE OCEAN

## WORKING GROUP 166

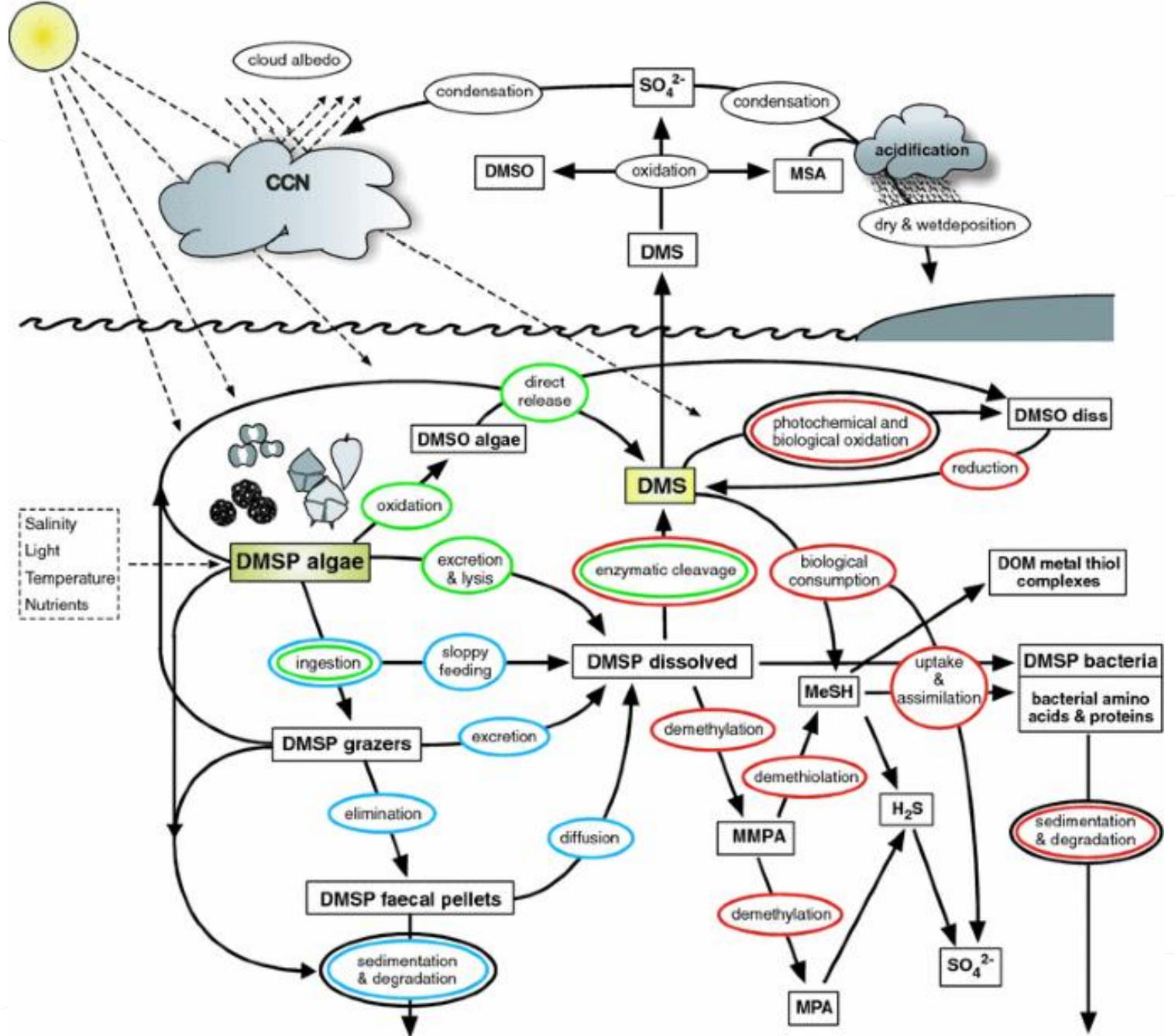


# DMS-PRO team



# Methylated S compounds

## Marine Biogeochemical Cycling



# Why was DMS-PRO born?

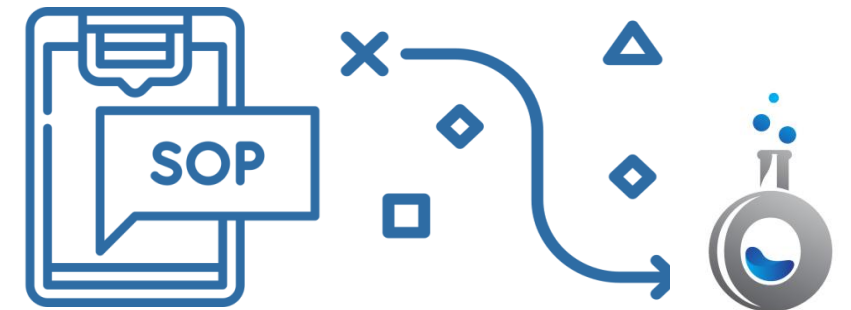
- Need for standardized protocols for the determination of methylated sulfur compound (MSC) cycling rates
- Need to foster coordination and integration between measurements of MSC cycling rates (and stocks) and their biotic and abiotic drivers
- Need to make a better use of scarce rate measurements and enhance MSC cycling representation in numerical models

To develop community consensus on the measurement  
of MSC cycling rates

### DMS-PRO Deliverable

- Standard operating procedures (SOPs) - **ONGOING**
- Recommendations on the suitability of each method

- Discuss the different methodological approaches





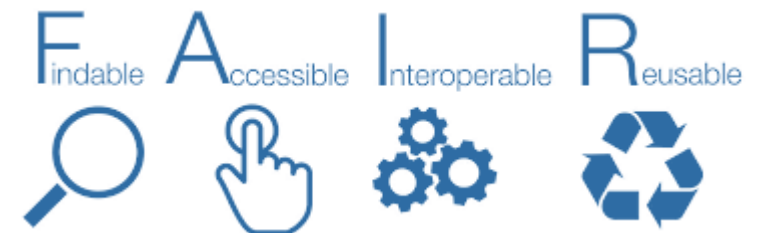
To compile a comprehensive database of MSC cycling rates

## DMS-PRO Deliverable

### Database and webportal - **ONGOING**

- Open access
- Follows FAIR principles
- Distributed through ERDDAP data server (NOAA)

- Agree on:
  - processes and pools
  - drivers and ancillary information



To develop a transparent framework

### DMS-PRO Deliverable

- Software repository
- Well-documented software package

- Quality assessment and control
- Standardization and curation of MSC cycling datasets



# Other deliverables from DMS-PRO



**Database  
description  
paper**

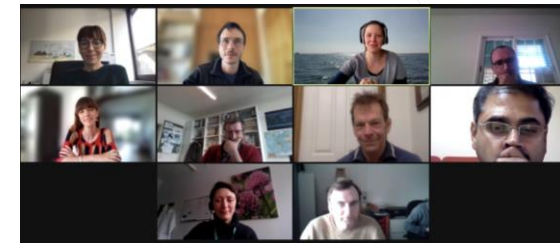
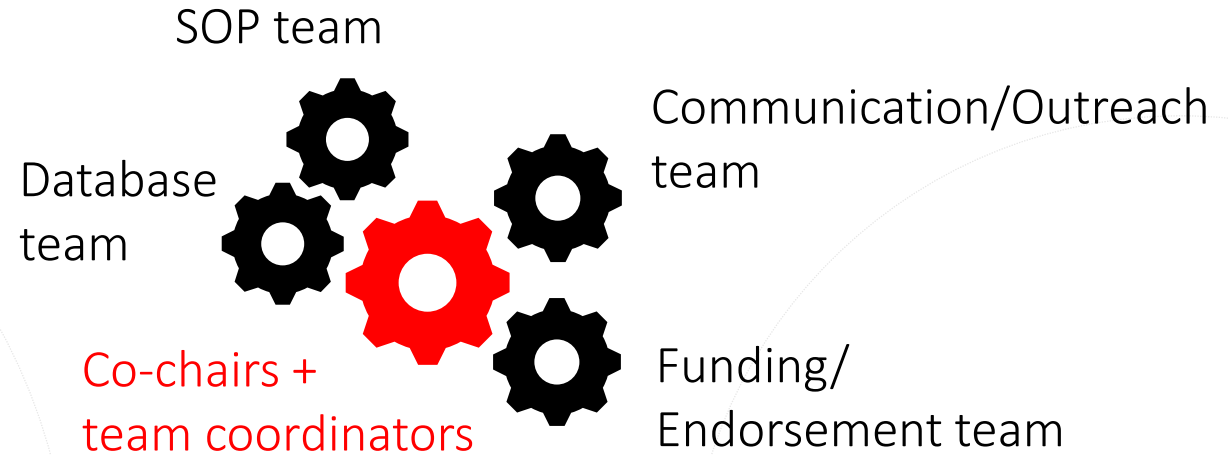
**Modeling  
guidelines  
paper**

**Perspective  
paper**



# First year highlights

- Internal organization
- Setup of collaboration platforms and monthly team meetings
- Dissemination and networking: BEPSII (March), ASLO-ASM (June), AOGS (August), endorsement requests...



# Things to come...

- Website and Forum
- Online tutorials
- Online and Hybrid training events
- Open workshops
- 7th DMS(P) Symposium (spring 2025)





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