WORKING GROUP 166
DMS-PRO team

- Hermann Bange
- Jon Todd
- Frances Hopkins
- Eva Bucciarelli
- Ki-Tae Park
- Miming Zhang
- Gui-Peng Yang
- Sohiko Kameyama
- Hakase Hayashida

- Steve Archer
- Erin McParland
- Brandon McNabb
- Daniela del Valle
- Marcos Zárate
- José González
- Damodar Shenoy
- Liz Deschaseaux
- Martí Galí
- Lenny Winkel
- Jacqueline Stefels

*Full Members* | *Associate Members*
Methylated S compounds

Marine Biogeochemical Cycling

Stefels et al. 2007
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)