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Fiducial Reference Measurements for Satellite Ocean Colour (FRM4SOC) Phase 2 – introduction

7th Sentinel-3 Validation Team Meeting 2022

18-20 October 2022 | ESA-ESRIN | Frascati (Rm), Italy

Juan Ignacio Gossn EUMETSAT 7th Sentinel 3 Validation Team Meeting 2022 18-20 October 2022 | ESA-ESRIN | Frascati (Rm), Italy

FRM4SOC-2: Goals



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FRM4SOC-2 is to **build on achievements of the first FRM4SOC study** managed by ESA

FRM4SOC

- Identification of gaps in traceability, •
- calibration, •
- characterization,
- **Uncertainty estimation** •

FRM4SOC-2

Consolidate FRM4SOC-1 focusing on

- **Operational** OCR cal/char guidelines.
- **Operational** (prescriptive) FRM protocols.
- **Engagement** of the **global** community. •



Procedures to be followed by users to obtain FRMs have to be

rely the least as possible on user's expertise

as straightforward as possible, and

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FRM4SOC-2: The Consortium



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fiducial reference measurements for satellite ocean colour









- Ocean Colour Database OCDB Evolution within the FRM4SOC Project Carsten Brockmann, Brockmann Consult GmbH
- Fiducial Reference Measurements for Satellite Ocean Colour (FRM4SOC) Phase 2 an update *Riho Vendt, University of Tartu*
- Complete characterisation and calibration of Ocean Colour Radiometers for Ocean Colour Validation
 Viktor Vabson, University Of Tartu
- Uncertainty evaluation for FRM in-situ Ocean Colour measurements Agnieszka Białek, National Physical Laboratory
- HyperInSPACE: A Community Processor for Above-Water Radiometry with FRM standards
 Alexis Deru, ACRI-ST