International Ocean Colour Science Meeting 2013 | Advancing Global Ocean Colour Observations

PLATINUM 2 | **TUESDAY 7 MAY (9:45 - 12:15)**

SPLINTER SESSION 8 System Vicarious Calibration

Co-CHAIRS Giuseppe Zibordi (JRC, EU) and Jeremy Werdell (NASA GSFC)

09:45-09:55 **Introduction by session chairs**

09:55-10:10 **General overview of the method currently applied by NASA-OPBG with a focus on constrains for in situ reference data**
Jeremy Werdell, NASA GSFC

10:10-10:25 **General overview of the method currently applied for MERIS with focus on the dual source of in situ reference data**
Constant Mazeran, ACRI-ST

10:25-10:40 **Requirements for system vicarious calibration of future ocean color sensors with reference to sources of in situ data**
Carlos Del Castillo, Johns Hopkins University

10:40-12:00 **Discussion supported by seed questions linked to above talks**

12:00-12:15 **Wrap-up to recap any action(s) requiring community consideration**

SYNOPSIS

The splinter session aims at summarizing the state-of-art on satellite ocean color vicarious calibration and at discussing the need for advances in support of future missions. The session will be structured in three parts: i) introduction (terminology, rationale and achievements); ii) targeted talks (current implementations, envisaged developments and in situ data requirements); and, iii) open discussion driven by seed questions. Regarding the latter, identified topics for discussion may include: the revision of current VIS and NIR methods; environmental characteristics of measurement site(s); requirements for field instrument(s)/method(s); traceability, uncertainty, geographical representivity, temporal continuity, and data rate of in situ reference data; standardization of system vicarious calibration across the various space missions; and, relaxation of requirements for regional applications.