

SPECTRUM B

International Ocean Colour Science | Meeting 2013

Advancing Global Ocean Colour Observations



TUESDAY 7 MAY (14:45 - 17:15)

SPLINTER SESSION 10		Phytoplankton Community Structure from Ocean Colour: Methods, Validation, Intercomparisons and Applications		
Co-CHAIRS	Astrid Bracher (A	lfred-Wegener-Institute, Germany) and Takafumi Hirata (Hokkaido University, Japan)		
14:45-14:50		Icome, program and goal of the session SYNOPSIS Phytoplankton play a fundamental role i Diogeochemical cycling. The remote idel rid Bracher, AWI and Taka Hirata, Hokkaido University biogeochemical cycling. The remote idel phytoplankton groups is of interest to Example. phytoplankton groups is of interest to Example.		
14:50-15:00	-	G PFT working group dranath, PML, UK	due to the specific impacts of these groups (Phytoplankton Functional Types, PFT) on marine biogeochemistry and food web dynamics. Increasing efforts have been internationally	
15:00-15:20	Overview of PFT satellite products using satellite data, providing an opportuni Astrid Bracher, AWI and Nick Hardman-Mountford, CSIRO, Australia operational satellite product. The aim of the		invested to develop ocean colour algorithms to retrieve PFTs using satellite data, providing an opportunity to yield a new operational satellite product. The aim of the proposed session is to bring relevant sciences and scientists together to develop	
15:20-15:40		ry classification of phytoplankton types – data base: efforts/goals on, CSIRO, Australia	and foster a larger community effort in PFT research, in order for the PFT community to contribute to interdisciplinary sciences using ocean colour. The session focuses in the first	
15:40-16:00	Validation/Inter Taka Hirata, Hok	comparison of PFT satellite products kaido University	part on the presentation of new algorithms to identify specific phytoplankton groups globally or regionally. Also, welcomed contributions for this session include: in situ/laboratory	
16:00-16:15	Application of Pl Cecile Rousseaux	FT satellite products in ecosystem modeling «-NASA GSFC	classification of phytoplankton types; validation of satellite PFT products with in situ data; intercomparison of various PFT satellite products; and application of PFT satellite products in ecosystem modeling.	
16:15-17:15	future efforts to • What are the a • Can we group t • What are the a • How can the di • Can different p modelers? • What effort is p	 Discussion In this part of the session, participating scientists will discuss current PFT products, their suitability for various applications, and future efforts to meet user requirements. This session will specifically address the following questions: What are the applications of PFT products in the context of large-scale biogeochemical and ecological research? Can we group the different PFT satellite products into common categories? What are the advantages and disadvantages of these different categories or the individual approaches? How can the different products be used in the context of large-scale biogeochemical modelling? Can different phytoplankton products be combined to retrieve unique information for biogeochemical or ecosystem 		
17:00-17:15				

Produce a draft report summarizing the discussion with recommendations for future studies and product development