

**Jerico** WP4 workshop: Thursday 9<sup>th</sup> February, 2012 in Helsinki

Topic: *"Calibration and bio fouling prevention of optical sensors & sharing of calibration facilities. "*

Participants (20 confirmed, 15 for dinner)

Participant	confirmed	Dinner	institute	email
Seppo Kaitala	x	x	PP2: SYKE	seppo.kaitala@environment.fi
Jukka Seppälä	x	x	PP2: SYKE	jukka.seppala@environment.fi
Petri Maunula	x	x	PP2: SYKE	petri.maunula@environment.fi
Pasi Ylöstalo	x	-	PP2: SYKE	pasi.ylostalo@environment.fi
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John Olsson	x	x	PP2: SYKE	john.olsson@environment.fi
Kai Sörensen	x	x	PP 5: NIVA	kai.sorensen@niva.no
Marit Norli	x	x	PP5: NIVA	Marit.Norli@niva.no
Rajesh Nair	x	x	PP8: OGS	rnair@ogs.trieste.it
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George Petihakis	x	x	PP11:HCMR	gpetihakis@hcmr.gr
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Panos Drakopoulos	x	x	PP11:HCMR	
Athanasios Gkritzalis-Papadopoulos	x	x	PP12: NERC	thgritz@noc.ac.uk
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Location: Dynamicum, Marine Research Center, Finnish Environment Institute SYKE  
 Address: Erik Palménin aukio 1, Helsinki  
 (en.ilmatieteenlaitos.fi/how-to-find-dynamicum)  
 Meeting room Terra



Timetable:

- 9:00-12:00 Scientific session: ***Principles of calibration and bio fouling prevention of optical instruments, especially fluorometers***
- 9:00-9:10 Welcome (Petihakis / Kaitala)
- 9:10-9:40 Seppälä: *Challenges in matching up concentration and fluorescence data*
- 9:40 – 10:10 Karlson: *Diversity of phytoplankton and implications for the use of fluorescence of photosynthetic pigments as biomass proxies*
- 10:10-10:30 Coffee
- 10:30-10:50 Sörensen: *Calibration of Chla-Flu*
- 10:50-11:10 Petersen: *Bio-fouling prevention and experiences with the solid-standard in HZG*
- 11:10-11:30 Gkritzalis-Papadopoulos: *Experience on chlorophyll sensors - calibrations, applications and data - and on bio-fouling of various sensors*
- 11:30-11:50 Petihakis: *Fluorescence sensor metrology : Main issues and Ifremer's actions & Biofouling protection for in situ oceanographic sensors by local chlorination*
- 11:50-12:20 Kaitala: *Calibration, validation and bio fouling prevention of optical sensors in Alg@line project*
- 12:20-13:30 Lunch (at your own cost in cafeteria next to the meeting room)
- 13:30-15:00 ***Demonstration of Alg@line-project calibration activities at SYKE***
- Chl-a & turbidity (Maunula, Kaitala)*  
*Phycocyanin & CDOM (Seppälä)*  
*Recent developments in optical measurements at SYKE (Simis, Ylöstalo, Olsson) with coffee*
- 15:00-18:00 ***Discussions: harmonization of calibration activities, current practices and way forward***
- 18:00 – Evening buffet and sauna

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