

5th EGO Meeting and Glider School

Meeting Program

2011 March 14th-18th
Gran Canaria /// SPAIN
ego2011.plocan.eu



Wednesday 16th

08:00:00 AM	REGISTRATION
08:30:00 AM	WELCOME
09:00:00 AM	Paraskevi Bourma
09:15:00 AM	Edison Hudson
09:30:00 AM	Madeleine Goutx
09:45:00 AM	Karen Heywood
10:00:00 AM	Neil Trenaman 1
10:15:00 AM	Neil Trenaman 2
10:30:00 AM	COFFE BREAK
11:00:00 AM	Yann Le Page
11:15:00 AM	Pietro Zanasca
11:30:00 AM	Oswaldo López
11:45:00 PM	Miquel Moll
12:00:00 PM	Clayton Jones
12:15:00 AM	Tino Flores
12:30:00 AM	Florent Besson
12:45:00 PM	Damien Malarde
01:00:00 PM	LUNCH
02:00:00 PM	Alain Maguer
02:15:00 PM	Joshua Elvander
02:30:00 PM	Laurent Beguery
02:45:00 PM	Dario Sosa-Cabrerá
03:00:00 PM	Peer Fietzek
03:15:00 PM	Daura Vega Moreno
03:30:00 PM	COFFE BREAK
04:00:00 PM	Johannes Karstensen
04:15:00 PM	Christine Hanson
04:30:00 PM	DISCUSSION TOPIC2
05:00:00 PM	MC MEETING
07:30:00 PM	END

Thursday 17th

09:00:00 AM	Chris Hughes
09:15:00 AM	Kenneth Grembowicz
09:30:00 AM	Josh Kohut 2
09:45:00 AM	Antonio Ramos 2
10:00:00 AM	Anne Molcard
10:15:00 AM	DISCUSSION TOPIC4
10:45:00 AM	COFFE BREAK
11:15:00 AM	Toby Sherwin
11:30:00 AM	Chris Brown
11:45:00 PM	Alice Pietri
12:00:00 PM	Emma Heslop
12:15:00 AM	Daniel Hayes
12:30:00 AM	Josh Kohut 3
12:45:00 PM	Francisco De la Granda
01:00:00 PM	LUNCH
02:00:00 PM	Gerd Krahmann
02:15:00 PM	Riccardo Gerin
02:30:00 PM	Bastien Queste
02:45:00 PM	Simón Ruiz
03:00:00 PM	Jan Kaiser
03:15:00 PM	Phil Knight
03:30:00 PM	COFFE BREAK
04:00:00 PM	Kiell Orvik
04:15:00 PM	Armando Trasyña
04:30:00 PM	Raquel Somavilla
04:45:00 PM	Craig Lee
05:15:00 PM	DISCUSSION TOPICS
05:30:00 PM	END
08:30:00 PM	GALA DINNER

Friday 18th

09:00:00 AM	Alberto Álvarez 1
09:15:00 AM	Josh Kohut 1
09:30:00 AM	Lucas Merkelbach
09:45:00 AM	Víctor Moreno
10:00:00 AM	Alberto Álvarez 2
10:15:00 AM	Antonio Ramos 1
10:30:00 AM	Craig Lee
10:45:00 AM	COFFE BREAK
11:00:00 AM	Josep Isern-González
11:15:00 AM	Karim Bernardet
11:30:00 AM	Álvaro Lorenzo-López
11:45:00 PM	François Lekien
12:00:00 PM	DISCUSSION TOPIC3
12:30:00 AM	Ben Hollings
12:45:00 PM	Agnieszka Beszcynska
01:00:00 PM	LUNCH
02:00:00 PM	Sylvie Pouliquen 1
02:15:00 PM	Sylvie Pouliquen 2
02:30:00 PM	Mark Hebdon
02:45:00 PM	Yann Bernard
03:00:00 PM	Craig Lee
03:05:00 PM	Joaquín Tintoré
03:10:00 PM	Dan Hayes
03:15:00 PM	Johannes Karstensen
03:20:00 PM	Peter Haugan
03:25:00 PM	COFFE BREAK
03:55:00 PM	Laurent Mortier
04:00:00 PM	Pierre Testor
04:05:00 PM	DISCUSSION TOPIC1
04:35:00 PM	WRAP UP SESSION
05:00:00 PM	END

Topic1

Glider networks, links with observing systems and data dissemination (synergies with satellites, and with Lagrangian and Eulerian platforms)
CHAIR: Laurent Mortier

Ben Hollings Sustained oceanographic observations around Australia using autonomous ocean gliders

Agnieszka Bieszczynska Fram Strait Observatory – recent glider activities and future plans

Sylvie Pouliquen 1 Integrating Glider data for facilitating their Use

Sylvie Pouliquen 2 Coordination of Marine contribution to GISC project for EEA

Mark Hebden A suggested approach to the management of UK glider data

Yann Bernard Satellite Communications for Gliders

Craig Lee invited speaker

Joaquín Timoré SOCIB sustained glider lines in the Balearic Channels: first results

Dan Hayes Sustained glider lines YPOKINOVODA

Johannes Karstensen Tropical Atlantic

Peter Haugan NACO: Sustained gliders in the Atlantic approach to the Arctic

Laurent Mortier GROOM project: research infrastructure, roadmap

Pierre Testor MOOSE/SNOCO: Ocean Observing Systems in NW Med and Gulf of Biscaye

Topic2

Developments on glider vehicles, sensors, and “gliderports” infrastructures (on-board capacities, ground-segment)
CHAIR: Lucas Mercelbach and Carlos Barrera

Paraskevi Bourma Glider design process: starting from the beginning

Edison Hudson Crossing the Chasm – Underwater Gliders versus Alternative

Madeleine Goux Development of a miniaturized UV fluorometer for monitoring anthropogenic inputs in the coastal oceanic waters

Karen Heywood New acoustic sensors on Seagiders

Neil Trenaman 1 Oceanographic Results from Wave Gliders J

Neil Trenaman 2 Monitoring Currents with Wave Gliders

Yann Le Page SeaExplorer hydrodynamic parameters characterization using a GIB portable tracking system

Pietro Zanasca Glider CTD – Sea Test and Sensor Corrections

Oswaldo Lopez Doppler profilers for gliders: capabilities and limitations

Miguel Moll Sea-Bird GPCTD and Wetlabs PUCK: new sensors for gliders, sources of errors and integration

Clayton Jones Slocum Glider Advancing our Understanding of the Oceans

Tino Flores Optodes and smart sensors suitable for gliders and floats: experiences and new development

Florent Besson Development and integration of new sensors on underwater vehicles: Nitrate and Jellyfish

Damien Malarde Integration of in situ biochemical sensor for nitrate determination on an ARGO profiling float and a STERNE glider

Alain Maguer On-board Underwater glider Real-time detection/classification of marine mammals

Joshua Elvander The Bluefin Spray Glider – Recent Activity

Laurent Beguery Infrastructure for gliders in French research

Dario Sosa-Cabrera PLOCAN: Infrastructure for gliders in the Canary Islands

Pier Fietzek Integrating sensors for dissolved gas concentrations (CO₂ and CH₄) into modern measuring platforms

Daura Vega Moreno Optical Phytoplankton Discriminator (OPD) developed for a glider

Johannes Karstensen In-situ calibration of oxygen optodes on gliders and floats: An example from the Southeast Pacific oxygen minimum zone

Christine Hanson GLIDERSCOPE: Ocean glider data visualisation software

Topic3

Piloting and artificial intelligence (automated procedures for single gliders or “fleets”)
CHAIR: François Lekien and Michel Rixen

Alberto Álvarez 1 Optimum and adaptive mission planning of gliders

Josh Kohut 1 U.S. Integrated Ocean Observing System Response to the Gulf Oil Spill: Coordinating a Multi-Institutional Mixed-Glider Fleet in the Gulf of Mexico

Lucas Mercelbach Gliders, ships and the probability of collision

Victor Moreno A biologically inspired Neural Controller based on a Self Organization Direction Mapping Network for UVs on Oceanographic Missions

Alberto Álvarez 2 Operational glider adaptive sampling during REP10 experiment in the Ligurian Sea

Antonio Ramos 1 Pinzon path planning for the transoceanic glider Scarlet Knight RU-27 from the ESEO Regional Ocean Model forecast of the NE Atlantic

Invited Speaker: **Craig Lee** Extended Operations Under Arctic Ice– Seagiders and the Arctic Observing Network

Josep Isern-González An Optimization-Based Path Planner for Underwater Gliders

Karim Bernadet Framework for glider piloting

Álvaro Lorenzo-López Underwater Gliders Unified System Interface

François Lekien Automated cooperative control and adaptive navigation during the Eye of Levantine EGO glider experiment

Topic4

Operational oceanography and OSSEs (sampling strategies and data assimilation).
CHAIR: Johannes Karstensen and Joaquín Brito

Chris Hughes Adaptive sampling and optimal path planning for underwater gliders

Kenneth Grembowicz NAVOCEANO Glider Operations - An Update for 2011

Josh Kohut 2 The U.S. National Science Foundation Ocean Observing Initiative’s First Observing System Simulation Experiment: Experimental Design and Results from the Nor-Ida Storm

Antonio Ramos 2 Cook Crossing 2010: An international platform of research, cooperation and formation for future transoceanic glider missions

Toby Sherwin How good is a (Seaglider at measuring mean currents?

Anne Molcard Toward an european Med HF-radar coastal monitoring

Chris Brown Biogeochemistry of an Iberian upwelling season

Topic5

High resolution 4D oceanic measurements by gliders and process studies (physical and biogeochemical coupling, sub-mesoscale features, air-sea interactions,...)
CHAIR: Simón Ruiz and Dan Hayes

Chris Brown Biogeochemistry of an Iberian upwelling season

Alice Pietri Meso and submeso scale processes in the upwelling system off Southern Peru as observed from glider data

Emma Heslop Variability in upper layer transports in the Balearic Sea, using new data from glider missions

Daniel Hayes Glider Transects in the Levantine Sea: Characteristics of the Warm Core Cyprus Eddy

Josh Kohut 3 Southern Glider Operations: Recent results from a fleet of gliders deployed in the Amundsen Sea, Ross Sea and along the Western Antarctic Peninsula

Francisco De la Granda Diving into the North Iberian Upwelling: Solving the Spatial and Temporal Variability

Gerd Krahlmann Results from a Glider Swarm Experiment near Cape Verde

Ricardo Gerin The Ligurian Dispersion Experiment 2010 (LIDEX10): drifter and glider preliminary results

Bastien Queste Seaglider deployment in the Ross Sea: advantages of glider platforms and preliminary results

Simón Ruiz Glider observations and modelling of an abrupt mixing event in the upper ocean

Jan Kaiser Dynamics of an Iberian upwelling season

Phil Knight Experiences with TWR Gliders in the Irish Sea

Kjell Ørvik Experience with Seaglider in the Norwegian Atlantic Current

Armando Trasuña Preliminary results from a glider survey of the western Gulf of Mexico

Raquel Somavilla High frequency subsurface and air-sea interface experiment in the southern Bay of Biscay

Invited Speaker: **Craig Lee** Results from Recent Seaglider Missions - Phytoplankton Blooms to Typhoons