

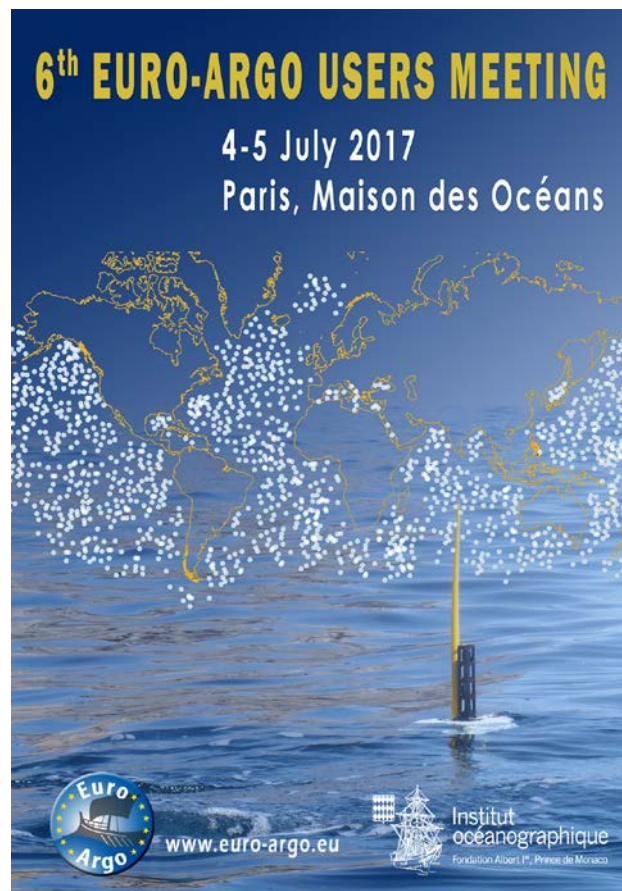


# 6th Euro-Argo Users Meeting

4-5 July 2017

## Agenda

Location: Maison des Océans, Paris, France





## Aims of the workshop

- To bring together the users of Argo data and other complementary observations, for operational oceanography and studies of the circulation and physical and biogeochemical properties of the oceans.
- To stimulate research using Argo data, especially in combination with other data types and models.
- To allow users to widen their experience of the Euro-Argo community, welcome young scientists into that community and encourage their use of Argo data.
- To further increase the visibility of the Argo Program beyond its core uses in physical oceanography and climate research.
- To provide an opportunity for users of Argo data to participate in discussions of how Argo should evolve within Europe and globally.

## Organizing Committee

### Conveners

The **workshop conveners** include the following people:

*M. Balmaseda ECMWF, UK,*  
*H. Claustre LOV, France,*  
*J. Johannessen NERSC, Norway,*  
*B. King NOC, UK*  
*B. Klein BSH, Germany,*  
*A. Kortzinger GEOMAR, Germany,*  
*P.Y. Le Traon Ifremer, France,*  
*G. Maze Ifremer, France,*  
*P.M. Poulain OGS, Italy,*  
*G. Nolan EuroGOOS, Belgium*  
*G. Obolensky Euro Argo ERIC*  
*D. O'Conchubhair MI, Ireland*  
*S. Pouliquen Euro Argo ERIC*  
*J. Turton Met Office, UK,*  
*S. Wijffels CSIRO, Australia.*  
*P. Velez Belchi IEO, Spain.*



### Practical organization – local arrangements

For practical information please contact Francine LOUBRIEU at [euroargo@ifremer.fr](mailto:euroargo@ifremer.fr).

### WebSite

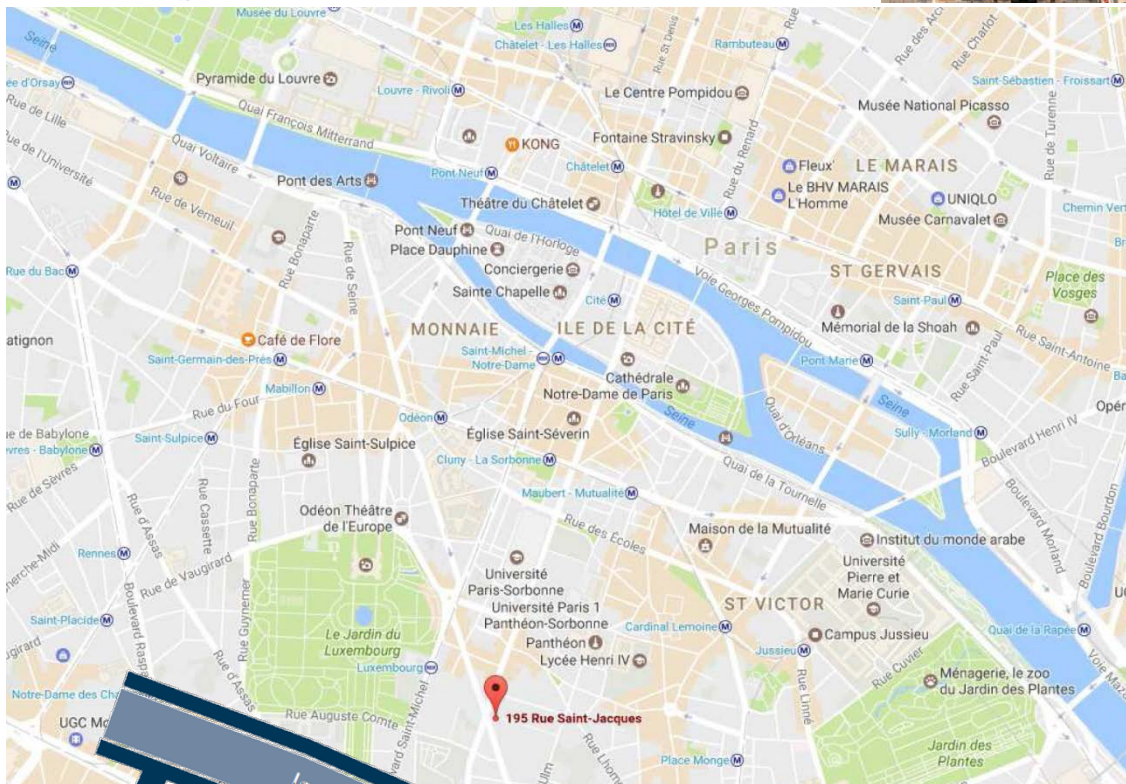
<http://www.euro-argo.eu/News-Meetings/Meetings/Users-Meetings/6th-Users-Meeting-July-2017>

The Euro-Argo users meeting will take place at the Maison des Océans in the Paris's 5<sup>th</sup> arrondissement.



# Maison des Océans

195, rue Saint-Jacques, 75005 Paris  
Tél. : +33 1 44 32 10 80  
Fax : +33 1 44 32 10 91  
Mél. : [l.pecou@oceano.org](mailto:l.pecou@oceano.org)  
[www.oceano.org](http://www.oceano.org)



**Situation and access:**  
Near the Luxembourg garden and the Panthéon.  
RER line B: Luxembourg station



## Session Overview and Detailed Agenda

Tuesday 4 <sup>th</sup> July 2017 – Grand Amphithéâtre		
8:30	Registration in the Hall of the Conference Room	
<b>Opening session</b>		
09:00	Welcome, Euro-Argo achievements and future plans	Sylvie POULIQUEN <i>Euro-Argo ERIC</i>
09:30	Sustaining and Enhancing Argo for Observing the Global Ocean	Dean ROEMMICH <i>Scripps Institution of Oceanography UCSD</i>
09:50	Fostering European cooperation for observing systems	Glenn NOLAN <i>EuroGOOS</i>
10:10	AtlantOS	Michaël OTT <i>IOC/UNESCO</i>
10:30	Integrated Arctic Observation System (INTAROS) and the need for multipurpose acoustic networks.	Hanne SAGEN <i>NERSC</i>
10:50	<b>Coffee Break in the Hall of the Conference Room</b> <b>Poster session</b>	<b>20mn</b>
<b>Session 1: Extension of Argo to Biogeochemistry</b>		
<b>Chair: Henry Bittig LOV</b>		
11:10	Challenges of and needs for monitoring the size of small particles by Argo-derived optical proxies	Emanuele ORGANELLI <i>PML- UK</i>
11:30	Latitudinal contrasted annual phytoplankton cycles in phenology and biomass in the Southern Ocean: Mechanisms behind bloom initiation, magnitude and export	Mathieu ARDYNA <i>LOV CNRS/UPMC - France</i>
11:50	Biogeochemical Argo data suggest that disaggregation is a major driver of flux attenuation during large phytoplankton blooms	Nathan BRIGGS <i>LOV CNRS/UPMC- France</i>
12:10	Plankton assemblage estimated with BGC-Argo floats in the Southern Ocean	Mathieu REMBAUVILLE <i>Univ. Pierre et Marie Curie France</i>
12:30	What Biogeochemical-Argo can learn from GO-SHIP and vice versa.	Henry BITTIG <i>LOV CNRS/UPMC- France</i>
12:50	A multi-data assimilation scheme of Biogeochemical-Argo data for the CMEMS Mediterranean Biogeochemical model ( <i>REMOTE CONNECTION</i> )	Laura MARIOTTI <i>OGS- Italie</i>
13:10	<b>Lunch break at Maison des Océans</b>	<b>80 mn</b>



<b>Session 2: Model based studies</b>		
<b>Chair: Glenn Nolan EuroGOOS</b>		
14:30	Use of Argo observations at Mercator Ocean	Elisabeth REMY <i>Mercator-Ocean - France</i>
14:50	Impacts of Argo floats on the global monitoring and forecasting systems at Mercator-ocean	Florent GASPARIN <i>Mercator-Ocean - France</i>
15:10	On the mesoscale monitoring capability of Argo floats in the Mediterranean Sea	Antonio SÁNCHEZ ROMÁN <i>IMEDEA (CSIC-UIB)- Spain</i>
15:30	Global hydrographic variability patterns from CMEMS global products	Nathalie VERBRUGGE <i>CLS - France</i>
<b>15:50</b>	<b>Coffee Break in the Hall of the Conference Room poster session</b>	<b>20mn</b>
<b>Session 3: Regional seas</b>		
<b>Chair: Dimitris Kassis HCMR</b>		
16:10	Thermohaline variability of the Ionian and South Adriatic seas in 2013-2017	Zoi KOKKINI <i>OGS - Italie</i>
16:30	Water intrusions and particle signatures in the Black Sea: a Biogeochemical-Argo float investigation	Emil STANEV <i>HZG - Germany</i>
16:50	Applying area-locked Argo floats in the Baltic Sea monitoring	Simo-Matti SIIRIA <i>FMI - Finland</i>
17:10	Seasonal and inter-annual variability of heat and freshwater content in the Norwegian Sea	Kjell Arne MORK <i>IMR - Norway</i>
17:30	Investigations of Atlantic water inflow into the Arctic Ocean - role of Argo floats measurements	Waldemar WALCZOWSKI <i>Institute of Oceanology PAN- Poland</i>
<b>18:00</b>	<b>Cocktail in the Hall of the Conference Room Poster session</b>	



<b>Wednesday 5th July 2017 – Grand Amphithéâtre</b>		
<b>Session 4: Large scale circulation</b>		
<b>Chair: Diarmuid O’Conchubhair Marine Research Institute</b>		
09:00	Decadal variability in the Eastern North Atlantic	Manuela KOELLNER <i>BSH - Germany</i>
09:20	Sub-thermocline and Intermediate Zonal Currents in the Tropical Pacific Ocean: paths and vertical structure inferred from Argo and SADCP data	Sophie CRAVATTE <i>IRD - France</i>
09:40	South Atlantic Intermediate Waters Circulation Patterns and Time estimation	Ignasi VALLES CASANOVA <i>Marine Science Institute of Barcelona - Spain</i>
10:00	Tracking mesoscale eddies from combined use of satellite altimetry and Argo profiling floats	Johnny A. JOHANNESSEN <i>NERSC - Norway</i>
<b>10:20</b>	<b>Coffee Break in the Hall of the Conference Room Poster session</b>	<b>30 mn</b>
10:50	Transport efficiency of an Agulhas ring from combined satellite altimetry and Argo profiles	Francesco NENCIOLI <i>PML - UK</i>
11:10	On South Atlantic intermediate waters and Agulhas Rings	Sabrina SPEICH <i>LMD-IPSL, ENS, Dept. Geosciences France</i>
11:30	Influence of the NAC on the lower limb of the MOC? A combined analysis Deep-Argo/Altimetry	Virginie RACAPE <i>IFREMER (LOPS) - France</i>
11:50	Deep Argo	Brian KING <i>NOC - UK</i>
<b>Session 5: Data quality and technology improvements</b>		
<b>Chair: Alejana Sanchez-Franks NOC</b>		
12:10	Status of BGC-Argo data management	Catherine SCHMECHTIG <i>CNRS-LOCEA-UPMC - France</i>
12:30	Improved statistical method for automatic quality control of T/S observations	Jérôme GOURRION <i>CNRS/CORIOLIS - France</i>
<b>12:50</b>	<b>Lunch at Maison des Océans</b>	<b>70 mn</b>
14:00	NKE floats recent evolutions	Jérôme SAGOT <i>NKE Instrumentation - France</i>
14:20	Teledyne floats evolutions	Peter FURZE <i>Teledyne Webb Research- USA</i>



14:40	NOSS Sensor, 1st in situ density sensor for seawater	Damien MALARDE <i>NKE Instrumentation - France</i>
15:00	An autonomous imaging system for Argo-Floats	Simone MARINI <i>ISMAR-CNR - Italy</i>
15:20	Accuracy and sampling scheme for the Deep Arvor: Extending Argo to 4000 dbar.	Alberto GONZALEZ SANTANA <i>IEO - Spain</i>
15:40	RBRargo CTD sensor updates	Jean-Michel LECONTE <i>RBR-global - Canada</i>
<b>Round Tables session</b> <b>Chair: Glenn Nolan EuroGOOS, Grigor Obolensky EURO-ARGO</b>		
16:00	How can Argo contribute to an integrated observing system: European Ocean Observing System (EOOS)	
16:20	How the Euro-Argo Office can better support the development of Argo in Europe	
16:40	<b>Meeting Wrap-Up</b> <b>Pierre-Yves Le Traon MERCATOR</b>	
17:00	<b>END OF THE MEETING</b>	



## Posters

TITLE	AUTHORS
Delayed Mode Salinity Correction of Deep-Arvor floats.	Cécile CABANES <i>CNRS - France</i>
Observing and studying the Southern Ocean variability with surface drifters and Argo floats.	Yuri COTRONEO <i>Università di Napoli "Parthenope" - Italy</i>
Optimal design of the BGC-Argo network in the North Atlantic: an ensemble-based probability score approach to compare deployment scenarios.	Cyril GERMINEAUD <i>Institut des Geosciences de l'Environnement (IGE) - France</i>
Assessment of the Greek-Argo RI operation, major achievements and future planning.	Dimitris KASSIS <i>Institute of Oceanography/HCMR - Greece</i>
Vertical structures of Mesoscale Eddies in the Southwest Pacific from a combination of altimetry and Argo profiles.	Lydia KEPPLER <i>Max-Planck-Institute for Meteorology Germany</i>
French operational instrumentation support to the global Argo network.	Nathanaële LEBRETON <i>COA - France</i>
Atmospherically-forced versus chaotic low-frequency variability of the Ocean Heat Content: a global probabilistic study.	Stéphanie LEROUX <i>Institut des Géosciences de l'Environnement (IGE) - France</i>
Estimation of BGC-Argo chlorophyll fluorescence and nitrate observational errors.	Alexandre MIGNOT <i>LOV CNRS/UPMC - France</i>
Tracking of the Levantine Intermediate Water based on seventeen years of Argo float data in the Mediterranean Sea.	Giulio NOTARSTEFANO <i>OGS - Italy</i>
Seasonal dynamics of the particles in the oxygen minimum zones of the tropical Atlantic.	Rafael RASSE <i>Plymouth Marine Laboratory - UK</i>
NOSS Sensor, 1st in situ density sensor for seawater	Jérôme SAGOT <i>NKE Instrumentation - France</i>
Salinity intrusions in the Bay of Bengal from a highly resolved Argo float array.	Alejana SANCHEZ-FRANKS <i>National Oceanography Centre - UK</i>
Disturbance of phytoplankton biomass seasonal dynamics in a South Pacific island wake: A biogeochemical Argo floats based study.	Raphaëlle SAUZÈDE <i>IRD - French Polynesia</i>
Eddy induced variability of water masses in the southern section of the Rockall Trough - a wintertime case study.	Angelina SMILENOVA <i>NUI Galway - Ireland</i>
Float Deployments During Regional Cruises.	Ignasi VALLÈS <i>Marine Science Institute of Barcelona Spain</i>
Ocean State representation in the Western Tropical Pacific Warm Pool with ARMOR3D: contribution to the TPOS2020 project	Nathalie VERBRUGGE <i>CLS - France</i>
Argo float measurements at the Southern Baltic Sea.	Waldemar WALCZOWSKI <i>Institute of Oceanology PAN - Poland</i>





## Instructions to speakers and participants

[Access to la Maison des Océans](#) is restricted to people pre-registered using the online workshop registration system, and presenting an original valid form of ID at the security Gate.

**Registration:** The registration desk will be open at 08:00 am on Tuesday 4th July 2017. You will be issued with [the official workshop badge](#) valid for the duration of the event [which should be worn at all times](#).

**Our meeting room** is the Grand Amphithéâtre.

**POSTERS:** Posters will be displayed in the Hall.

ORIENTATION: PORTRAIT AO format max

Height: 150cm

Width: 80cm

**ORAL PRESENTATIONS:** Bring your visual supports on a USB key and make sure that your presentation will be uploaded ahead of your session.

**Coffee breaks:** will take place in the Hall.

**Lunch offered every day** in the Exposition Room.

### Phone point during the meeting

Urgent messages can be sent to participants at the Euro-Argo ERIC secretary  
+33 06 73 54 72 76 - euroargo@ifremer.fr



## Participant List

Family Name	First Name	Institute	Country	Email
ARDYNA	Mathieu	Villefranche Oceanographic Laboratory	France	Mathieu.Ardyna@obs-vlfr.fr
AUDIC	Annie	Director of projects "continuing education, research and innovation"	France	annie.audic@bretagne.bzh
BEJARANO	Monserathe	AgroParisTech	France	monserathe.bejarano@gmail.com
BITTIG	Henry	Villefranche Oceanographic Laboratory	France	bittig@obs-vlfr.fr
BLANKE	Bruno	CNRS	France	bruno.blanke@cnrs-dir.fr
BRIGGS	Nathan	Villefranche Oceanographic Laboratory	France	natebriggs@gmail.com
BRIGGS	Nathan	Villefranche Oceanographic Laboratory	France	natebriggs@gmail.com
BUDILLON	Giorgio	University of Naples "Parthenope"	Italy	giorgio.budillon@uniparthenope.it
CABANES	Cécile	CNRS	France	cecile.cabanes@ifremer.fr
CANCOUET	Romain	Euro-Argo ERIC	France	romain.cancouet@euro-argo.eu
CARSE	Fiona	Met Office	U.K.	fiona.carse@metoffice.gov.uk
COTRONEO	Yuri	University of Naples "Parthenope"	Italy	yuri.cotroneo@uniparthenope.it
CRAVATTE	Sophie	IRD/LEGOS	France	sophie.cravatte@ird.fr
DALL'OLMO	Giorgio	Plymouth Marine Laboratory	U.K.	gdal@pml.ac.uk
DEVILLIERS	Marie Corinne	Total	France	marie-corinne.devilliers@total.com
DEVILLIERS	Marion	Geophysical Institute, University of Bergen	Norway	marion.devilliers@uib.no
DORTENZIO	Fabrizio	CNRS/LOV	France	drtenzio@obs-vlfr.fr
ELDIN	Gérard	INSU	France	gerard.eldin@cnrs-dir.fr
FISCHER	Albert	IOC/UNESCO (AtlantOS)	France	a.fischer@unesco.org
FURZE	Peter	Teledyne Webb Research	USA	peter.furze@teledyne.com
GASPARIN	Florent	Mercator-Ocean	France	fgasparin@mercator-ocean.fr
GERMINEAUD	Cyril	IGE-MEOM	France	cyril.germineaud@univ-grenoble-alpes.fr
GONZALEZ SANTANA	Alberto	Spain Institute of Oceanography	Spain	alberto.gonzalez@ca.ieo.es
GOURCUFF	Claire	Euro-Argo ERIC	France	claire.gourcuff@euro-argo.eu
GOURRION	Jérôme	CNRS/CORIOLIS	France	jerome.gourrion@ifremer.fr
HEINRICH	Hartmut	BSH	Germany	hartmut.heinrich@bsh.de
HULBURT	Clara	Teledyne Webb Research	USA	clara.hulburt@teledyne.com
JOHANNESSEN	Johnny A.	Nansen Environmental and Remote Sensing Center	Norway	johnny.johannessen@nersc.no
KASSIS	Dimitris	HCMR/Institute of Oceanography	Greece	dkassis@hcmr.gr
KEPPLER	Lydia	Max-Planck-Institute for Meteorology	Germany	lydia.keppler@mpimet.mpg.de
KING	Brian	National Oceanography Centre	U.K.	b.king@noc.ac.uk
KLEIN	Birgit	BSH	Germany	Birgit.Klein@bsh.de
KOELLNER	Manuela	BSH	Germany	manuela.koellner@bsh.de
KOERTZINGER	Arne	GEOMAR	Germany	akoertzing@geomar.de
KOKKINI	Zoi	OGS	Italy	zkokkini@inogs.it
KOLODZIEJCZYK	Nicolas	LOPS	France	Nicolas.Kolodziejczyk@univ-brest.fr
LE TRAON	Pierre-Yves	IFREMER	France	pierre-yves.letraon@mercator-ocean.fr
LECONTE	Jean-Michel	RBR Ltd.	Canada	jean-michel.leconte@rbr-global.com
LEROUX	Stéphanie	IGE	France	stephanie.leroux@univ-grenoble-alpes.fr
LOUBRIEU	Francine	IFREMER	France	francine.loubrieu@ifremer.fr
LYKOUSIS	Vasilios	Institute of Oceanography/HCMR	Greece	vikou@hcmr.gr
MALARDE	Damien	Nke Instrumentation	France	dmalarde@nke.fr
MARINI	Simone	ISMAR-CNR	Italy	simone.marini@sp.ismar.cnr.it
MARIOTTI	Laura	OGS	Italy	lmariotti@inogs.it
MIGNOT	Alexandre	Villefranche Oceanographic Laboratory	France	mignot@obs-vlfr.fr
MORK	Kjell Arne	Institute of Marine Research	Norway	kjell.ame.mork@imr.no
NENCIOLI	Francesco	Plymouth Marine Laboratory	U.K.	fne@pml.ac.uk
NOTARSTEFANO	Giulio	OGS	Italy	gnotarstefano@inogs.it
O CONCHUBHAIR	Diarmuid	Marine Institute	Ireland	diarmuid.conchubhair@marine.ie
OBOLENSKY	Grigor	Euro-Argo ERIC	France	grigor.obolensky@euro-argo.eu
ORGANELLI	Emanuele	Plymouth Marine Laboratory	U.K.	emo@pml.ac.uk
OROURKE	Eleanor	Marine Institute	Ireland	eleanor.orourke@marine.ie
OTT	Michael	IOC / UNESCO	France	m.ott@unesco.org
POFFA	Noé	IFREMER	France	Noe.Poffa@ifremer.fr
POTEAU	Antoine	UPMC	France	poteau@obs-vlfr.fr
POULAIN	Pierre-Marie	OGS	Italy	ppoulain@inogs.it
POULIQUEN	Sylvie	Euro-Argo Eric	France	sylvie.pouliquen@ifremer.fr
RACAPE	Virginie	IFREMER	France	virginie.racape@ifremer.fr
RASSE	Rafael	Plymouth Marine Laboratory	U.K.	rar@pml.ac.uk
REMBAUVILLE	Mathieu	UPMC	France	mathieurembauville@gmail.com
REMY	Elisabeth	Mercator-Ocean	France	eremy@mercator-ocean.fr
REVERDIN	Gilles	LOCEAN/CNRS	France	gilles.reverdin@locean-ipsl.upmc.fr
ROBERT	Brice	CLS	France	brobert@cls.fr
ROEMMICH	Dean	Scdripps Institution of Oceanography UCSD	USA	droemmich@ucsd.edu
SAGEN	Hanne	Nansen Environmental and Remote Sensing Center	Norway	hanne.sagen@nersc.no
SAGOT	Jérôme	Nke instrumentation	France	jsagot@nke.fr
SANCHEZ ROMAN	Antonio	IMEDEA (CSIC-UIB)	Sapin	asanchez@imedea.uib-csic.es
SANCHEZ-FRANKS	Alejandra	National Oceanography Centre	UK	alsf@noc.ac.uk
SAOUT	Carole	GLAZEO	France	carole.saout@glazeo.net
SCHMETIG	Catherine	CNRS	France	schmectig@obs-vlfr.fr
SMILENOVA	Angelina	National University of Ireland Galway (NUIG)	Ireland	Angelina.Smilanova@Marine.ie
SPEICH	Sabrina	LMD, IPSL, ENS, PSL	France	speich@lmd.ens.fr
STANEV	Emil	HZG	Germany	emil.stanev@hzg.de
SWALE	Bruce	Maritech SARL	France	maritech@free.fr
VALLEZ CASANOVA	Ignasi	Marine Science Institute of Barcelona	Spain	valles@icm.csic.es
VELEZ-BELCHI	Pedro	Instituto Espanol de Oceanografia	Spain	pedro.velez@oceanografia.es
VERBRUGGE	Nathalie	CLS/Toulouse	France	nverbrugge@cls.fr
WALCZOWSKI	Waldemar	Institute of Oceanology Polish Academy of Sciences	Poland	walczows@iopan.pl