



NATO
SCIENCE AND TECHNOLOGY ORGANIZATION
CENTRE FOR MARITIME RESEARCH AND EXPERIMENTATION



DeSRAAP Workshop

***Decision Support and Risk Assessment
for Asset Planning***

Wed. 9 - Fri. 11 July 2014

***Main Conference Room
NATO STO CMRE, La Spezia, Italy***

<i>Participant</i>	<i>Institution</i>	<i>Nation</i>
<i>Lt Kaitlyn LONGLEY</i>	MC Northwood	USA
<i>Cdr RN Derek SWANNICK</i>	UK Met Office	GBR
<i>Dr Simon CHANG</i>	NRL Monterey	USA
<i>Dr Jim HANSEN</i>	NRL Monterey	USA
<i>Dr Ted TSUI</i>	NRL Monterey	USA
<i>Dr Virginia FERNANDEZ</i>	EC-JRC	ESP
<i>Dr Ondrej VANEK</i>	Agent Tech Center	CZE
<i>Mr Ondrej HRSTKA</i>	Agent Tech Center	CZE
<i>Dr José Carlos NIETO</i>	University of Alcalá	ESP
<i>Dr Giovanni BESIO</i>	University of Genoa	ITA
<i>Dr Federico CASSOLA</i>	University of Genoa	ITA
<i>Dr Tiziana PACCAGNELLA</i>	ARPA-SIMC	ITA
<i>Dr Andrea VALENTINI</i>	ARPA-SIMC	ITA
<i>Dr Luigi CAVALERI</i>	ISMAR-CNR	ITA
<i>Dr Sandro CARNIEL</i>	ISMAR-CNR	ITA
<i>Dr Sara MORUCCI</i>	ISPRA	ITA
<i>Dr Francesca DE PASCALIS</i>	ISMAR-CNR	ITA
<i>Dr Kyle M. BECKER</i>	ONR	USA
<i>Mr José Manuel DIAZ</i>	Centro Jovellanos – Salvamento Marítimo	ESP

POC: *Dr Raúl VICEN* (vicen@cmre.nato.int , +39 0187 527 340)

Participants from NATO STO CMRE

<i>RearAdm (Rtd) NLD-N Hank ORT</i>	Director	NLD
<i>Dr Jean-Guy FONTAINE</i>	Head – Research Department	FRA
<i>Mr Alessandro BERNI</i>	Head – iLab	ITA
<i>Dr John OSLER</i>	Program Manager – EKOE	CAN
<i>Cdr Peter ANGER</i>	Program Officer – EKOE	DEU
<i>Dr Raúl VICEN</i>	Project Leader – Decisions in Uncertain Ocean Environments	ESP
<i>Dr Reiner ONKEN</i>	Project Leader – Tactical Prediction	DEU
<i>Dr Alberto ALVAREZ</i>	Project Leader – Battlespace Characterization	ESP
<i>Dr Raffaele GRASSO</i>	Scientist – EKOE program	ITA
<i>Dr Aniello RUSSO</i>	Scientist – EKOE program	ITA
<i>Mrs Giuliana PENNUCCI</i>	Scientist – EKOE program	ITA
<i>Mr Jesús LOECHES</i>	Research Fellow – EKOE program	ESP
<i>Mr Tommaso FABBRI</i>	Research Fellow – EKOE program	ITA
<i>Dr Eleni PATOUNI</i>	Visiting Scientist – EKOE program	GRC
<i>Dr Luca CAZZANTI</i>	Scientist – MSEC program	USA

If you want to participate in the DeSRAAP workshop, send an e-mail to *Raúl Vicen* (vicen@cmre.nato.int).

The number of available places is limited.

Wednesday, 9 July 2014

09:00-09:30	Check-in of participants <i>Main entrance - NATO STO CMRE building / Main Conference Room</i> Welcome by <i>Dr Raúl VICEN, Dr John OSLER & Mrs Felicita DI STEFANO</i> (NATO STO CMRE)
09:30-10:00	Coffee break (<i>CMRE cafeteria</i>)
10:00-10:15	Official welcome to the DeSRAAP workshop and NATO STO CMRE <i>RearAdm (Rtd) NLD-N Hank ORT, Director</i> (NATO STO CMRE)
10:15-10:30	The Research Department at NATO STO CMRE: Welcome and research lines <i>Dr Jean-Guy FONTAINE, Head of Research Department</i> (NATO STO CMRE)
10:30-10:45	DeSRAAP workshop: Presentation and agenda <i>Dr Raul VICEN</i> (NATO STO CMRE)
10:45-11:00	The Environmental Knowledge and Operational Effectiveness (EKOE) program at NATO STO CMRE <i>Dr John OSLER, EKOE Program Manager</i> (NATO STO CMRE)
11:00-11:15	The Decisions in Uncertain Ocean Environments (DUOE) project at NATO STO CMRE <i>Dr Raul VICEN, DUOE Project Leader</i> (NATO STO CMRE)
11:15	Opening of “Operational forecasting: enabling risk assessment and decision support” session <i>Dr Raúl VICEN</i> (NATO STO CMRE)
11:15-11:45	“Gliders: Asset allocation for characterizing the maritime environment” <i>Dr Alberto ALVAREZ</i> (NATO STO CMRE)
11:45-12:15	“Operational forecasting at NATO STO CMRE” <i>Dr Reiner ONKEN</i> (NATO STO CMRE)
12:15-13:30	No-host lunch (<i>CMRE mensa / restaurant</i>)
13:30-14:00	“ARPA-SIMC: meteorological, marine and coastal forecasting systems” <i>Dr Tiziana PACCAGNELLA & Dr Andrea VALENTINI</i> (ARPA-SIMC)
14:00-14:30	“Operational high resolution meteo-marine modeling over the Mediterranean area: The meteorological WRF model - operational chain and validation against extreme events” <i>Dr Federico CASSOLA</i> (University of Genoa)
14:30-15:00	“Operational high resolution meteo-marine modeling over the Mediterranean area: Tailoring WRF model for the Mediterranean basin and development of prompt coastal risk index” <i>Dr Giovanni BESIO</i> (University of Genoa)
15:00-15:30	Coffee break (<i>CMRE cafeteria</i>)
15:30-16:00	“Deterministic and ensemble wind and wave forecast in the Mediterranean Sea” <i>Dr Luigi CAVALERI</i> (ISMAR-CNR)
16:00-17:00	Round table: Wrap-up discussion about “Operational forecasting: enabling decision support” All
17:00	Closing of “Operational forecasting: enabling risk assessment and decision support” session End of workshop day <i>Dr Raúl VICEN</i> (NATO STO CMRE)
18:30-20:00	Ice-breaker – Hosted by NATO STO CMRE Ristorante Golfo dei Poeti, Lerici

Thursday, 10 July 2014

08:45-09:00	Arrival of participants to NATO STO CMRE <i>NATO STO CMRE Main Conference Room</i>
09:00	Opening of “Risk assessment and decision support for asset planning” session <i>Dr Raúl VICEN (NATO STO CMRE)</i>
09:00-09:30	“Enabling risk assessment and decision support: NATO STO CMRE data catalog” <i>Mr Alessandro BERNI (NATO STO CMRE)</i>
09:30-10:00	“NATO Maritime Command overview” <i>Lt Kaitlyn LONGLEY (NATO Maritime Command Northwood)</i>
10:00-10:30	“Multi-objective asset network planning: environmental risk assessment and decision support for counter piracy operations” <i>Dr Raúl VICEN and Dr Raffaele GRASSO (NATO STO CMRE)</i>
10:30-11:00	Coffee break (<i>CMRE cafeteria</i>)
11:00-11:45	“US Navy METOC-Informed Decision Guidance: Products and User Considerations” <i>Dr James HANSEN (NRL Monterey)</i>
11:45-12:15	“Supporting military information and superiority with derived geospatial MetOcean algorithms” <i>CDr Derek SWANNICK (UK Met Office)</i>
12:15-13:15	No-host lunch (<i>CMRE mensa / restaurant</i>)
13:15-13:45	“The Jovellanos Maritime Training Centre Experience: 21 years of innovation and challenges, with particular attention to decision support training tools” <i>Mr José Manuel DIAZ (Centro Jovellanos-Salvamento Marítimo)</i>
13:45-14:15	“Decision Support and Risk Assessment by means of numerical modeling: from the open sea to coastal scales” <i>Dr Francesca DE PASCALIS (ISMAR-CNR)</i>
14:15-14:45	“Application of X-band marine radars to support risk assessment” <i>Dr José Carlos NIETO (University of Alcalá)</i>
14:45-15:15	“Maritime Situational Awareness: from Positioning Data Fusion to Contextual Awareness” <i>Dr Virginia FERNANDEZ (EC-JRC)</i>
15:15-15:45	Coffee break (<i>CMRE cafeteria</i>)
15:45-16:30	“Building Decision Support Systems with the ARETHUS Platform” & “AgentC: Agent-based Simulation for Decision Support in Asset Planning Problems” <i>Dr Ondrej VANEK & Mr Ondrej HRSTKA (Agent Tech Center)</i>
16:30-17:30	Round table: Wrap-up discussion about “Risk assessment and decision support for asset planning” All
17:30	Closing of “Risk assessment and decision support for asset planning” session End of workshop day <i>Dr Raúl VICEN (NATO STO CMRE)</i>
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20:00-...	No-host dinner Restaurant TBD, Lerici / San Terenzo

Friday, 11 July 2014

08:45-09:00	Arrival of participants to NATO STO CMRE <i>NATO STO CMRE Main Conference Room</i>
09:00	Opening of “Future work and collaborations” session <i>Dr Raúl VICEN (NATO STO CMRE)</i>
09:00-10:30	Future work and collaborations All
10:30-11:00	Coffee break (<i>CMRE cafeteria</i>)
11:00-12:00	Future work and collaborations All
12:00	Closing of “Future work and collaborations” session <i>Dr Raúl VICEN (NATO STO CMRE)</i>
12:00-12:30	DeSRAAP workshop: Conclusions and closure <i>Dr Raúl VICEN and Dr John OSLER (NATO STO CMRE)</i>
12:30-13:30	No-host lunch No-host lunch (<i>CMRE mensa / restaurant</i>)
13:30-17:00	Time for further discussions All
