





Decision Support and Risk Assessment  
for Asset Planning 2015 workshop  
DeSRAAP 2015 workshop, 23-25 Sep 2015  
NATO STO CMRE, La Spezia, Italy



Wednesday, September 23rd, 2015

	Time	Brief title	Speaker	Institution	Nation
	08:30	Registration	Felicità di Stefano, Mrs	NATO STO CMRE	ITA
Session 1: CMRE & EKOE activities	09:00	Institutional welcome to NATO STO CMRE	David BURTON, Mr Peter ANGER, Cdr	NATO STO CMRE NATO STO CMRE	GBR DEU
	09:15	DeSRAAP 2015 Workshop: Welcome, agenda and administrative remarks	Raùl VICEN, PhD	NATO STO CMRE	ESP
	09:30	Research department activities at NATO STO CMRE	Jean-Guy FONTAINE, PhD	NATO STO CMRE	FRA
	09:45	The Environmental Knowledge and Operational Effectiveness (EKOE) programme at NATO STO CMRE	Emanuel COELHO, PhD	NATO STO CMRE	POR
	10:00	COOLAB (underwater glider control room) - Tour	Daniele CECCHI, PhD	NATO STO CMRE	ITA
	10:15	Oceanographic laboratory at CMRE - Tour	Tomeu GARAU, Mr	NATO STO CMRE	ESP
	10:30	Coffee break	CMRE cafeteria (inside CMRE building)		
	11:00	Environmental characterization using gliders (Trial in 2016)	Alberto ALVAREZ, PhD	NATO STO CMRE	ESP
	11:15	Towards monitoring the acoustic environment using acoustic payload equipped underwater gliders	Yong-Min Jiang, PhD	NATO STO CMRE	CAN
	Session 2: Environmental characterization and forecasting	11:30	Operational Oceanography in Support of Marine Operations: From Global to Local Scales.	Paolo ODDO, PhD	NATO STO CMRE
11:45		ACT support to CMRE	Tim HUTCHINS, Cdr UKN	NATO ACT	GBR
12:15		Large scale and high resolution definitions of wind and wave climate in the Mediterranean Sea. Significant trends of related risks.	Angela POMARO, Mrs	ISMAR-CNR	ITA
12:30		Short Range Ensemble Waves Forecast for Mediterranean Sea - Added Value to Probability Based Decisions	Paolo PEZZUTTO, PhD	ISMAR-CNR	ITA
12:45		Lunch break	CMRE restaurant/mensa (outside/in front CMRE building)		
14:00		High-resolution atmospheric and marine modelling over the Mediterranean Sea with focus on extreme events	Federico CASSOLA, PhD Giovanni BESIO, PhD	University of Genoa University of Genoa	ITA ITA
14:15		Dynamic sensor network planning and control for environmental field estimation	Raffaele GRASSO, PhD	NATO STO CMRE	ITA
Session 3: Risk assessment	14:30	The Spanish maritime safety agency. Use of METOC data in maritime operations	Ana RIETZ, Mrs	Centro Jovellanos – Salvamento Marítimo	ESP
	14:45	Met Office Maritime TDA Applications	Warren LEWIS, PhD	UK Met Office	GBR
	15:00	Environmental characterization, risk assessment and decision support at CMRE	Raùl VICEN, PhD	NATO STO CMRE	ESP
	15:15	Risks and challenges in extreme weather with focus on the Arctic Ocean	Aniello RUSSO, Mr	NATO STO CMRE	ITA
	15:30	Coffee break	CMRE cafeteria (inside CMRE building)		
	16:00	Pico satellites for improving the risk assessment in maritime security: Application to maritime piracy	Nikitas NIKITAKOS, PhD	University of the Aegean	GRC
	16:15	Critical Infrastructure Protection: From Risk to Resilience	Murat BAYAR, PhD	Social Sciences University of Ankara	TUR
	16:30	Comparison of Risk Assessment Methods and Potential Contribution of Istanbul Technical University (ITU) in the DeSRAAP Project	Ahmet ERGIN, Prof Ismail H. HELVACIOGLU, Prof	Istanbul Technical University Istanbul Technical University	TUR TUR
16:45	Risk assessment for interconnected systems. Case study: ports and safety/security incidents	Nikitas NIKITAKOS, PhD	University of the Aegean	GRC	
	17:00	End of Wednesday, September 23rd, 2015	Raùl VICEN, PhD	NATO STO CMRE	ESP
	19:00	Icebreaker at Doria Park Hotel, Lerici			

 <b>Thursday, September 24th, 2015</b>					
	Time	Brief title	Speaker	Institution	Nation
	09:00	Welcome	Raúl VICEN, PhD	NATO STO CMRE	ESP
Session 4: Decision making and asset planning	09:15	Office of Naval Research: Overview of Environmental Modeling for Risk and Performance Assessment, and Collaborative Opportunities	Scott HARPER, PhD	ONR	USA
	09:30	Risk assessment and asset planning at CMRE	Alex BOURQUE, PhD	NATO STO CMRE	CAN
	09:45	Applications of risk assessment and asset planning: multi-asset planning and vessel routing	Raffaele GRASSO, PhD	NATO STO CMRE	ITA
	10:00	Illicit Trafficking Surveillance and Interdiction: INTEL and METOC-informed Decision Guidance	Jim HANSEN, PhD	NRL Monterey	USA
	10:15	A Proactive Decision Support Tool for Multi-objective Asset Routing in a Weather Impacted Dynamic Mission Environment	David SIDOTI, Mr	University of Connecticut	USA
	10:30	Coffee break	CMRE cafeteria (inside CMRE building)		
	11:00	Challenges in Multiobjective Evolutionary Optimization for Asset Planning Decision Support	Marco COCCOCCIONI, PhD	University of Pisa	ITA
	11:15	Risk game: Studying the impact of information quality on decision making	Anne-Laure JOUSSELME, PhD	NATO STO CMRE	FRA
	11:30	Visual Analytics for Interactive Vessel Route Exploration - Demo	Luca CAZZANTI, PhD	NATO STO CMRE	USA
	11:45	Data-driven Detection and Context-based Classification of Maritime Anomalies	Giuliana PALLOTTA, PhD	NATO STO CMRE	ITA
	12:00	Agent-based Modelling of Illegal Maritime Behavior	Ondrej HRSTKA, PhD	Agent Tech Center	CZE
	12:15	Stochastic mean-reverting process for vessel kinematic modeling	Paolo BRACA, PhD	NATO STO CMRE	ITA
	12:30	Lunch break	CMRE restaurant/mensa (outside/in front CMRE building)		
	14:00	AEMET: Tasks to Support Planning and Decision Making	Eroteida SÁNCHEZ, Mrs José VOCES, Mr	AEMET – METEONAV AEMET – METEONAV	ESP ESP
	14:15	Decision Support and Risk Assessment by means of numerical modeling: from the open sea to coastal scales	Francesca DE PASCALIS, PhD	ISMAR-CNR	ITA
	14:30	ASW decision support using MSTPA - Demo	Christopher STRODE, Mr.	NATO STO CMRE	GBR
14:45	Real-time passive acoustic surveillance of surface vessels by using autonomous mobile platforms	Alessandra TESEI, PhD	NATO STO CMRE	ITA	
Session 5	15:00	Discussion and future collaborations - Start	All participants		
	15:30	Coffee break	CMRE cafeteria (inside CMRE building)		
	16:00	Discussion and future collaborations - Continuation	All participants		
	16:45	Discussion and future collaborations - End	All participants		
	16:45	Closure of DeSRAAP 2015 Workshop	Raúl VICEN, PhD	NATO STO CMRE	ESP
	17:00	End of DeSRAAP 2015 Workshop (if Friday is not needed)	Raúl VICEN, PhD	NATO STO CMRE	ESP
	20:00	No host dinner: <b>Ristorante Il Cristobal (Colombo), San Terenzo</b>			
 <b>Friday, September 25th, 2015 (Reserved day - In case it is needed for further discussion and collaborations)</b>					
	Time	Brief title	Speaker	Institution	Nation
	09:00	Welcome	Raúl VICEN, PhD	NATO STO CMRE	ESP
Session 5 (Cont.)	09:15	Discussion and future collaborations -Start	All participants		
	10:30	Coffee break	CMRE cafeteria (inside CMRE building)		
	11:00	Discussion and future collaborations - Continuation	All participants		
	12:00	Discussion and future collaborations - End	All participants		
	12:00	End of DeSRAAP 2015 Workshop (if Friday is needed)	Raúl VICEN, PhD	NATO STO CMRE	ESP