

PRESENT AND FUTURE OF PORT WATER QUALITY MANAGEMENT IN THE EU ATLANTIC AREA

February 9th and 10th, 2012
Santander, Spain



European Union

European Regional
Development Fund



ORGANIZING COMMITTEE :

JOSE ANTONIO JUANES	CHAIRMAN
MARIA LUISA SÁMANO	SECRETARY
EMILIO FLOR	MEMBER
JAVIER DE LA RIVA	MEMBER
RAÚL MEDINA	MEMBER

SCIENTIFIC COMMITTEE :

JOSE ANTONIO JUANES	SPAIN
AINA GARCÍA	SPAIN
FRANCISCO MARTIN	SPAIN
MIKE ELLIOTT	UNITED KINGDOM
MARIA JOÃO BEBIANNO	PORTUGAL
RAMIRO NEVES	PORTUGAL
JEAN CHARLES MASSABUAU	FRANCE
VICTOR N. DE JONGE	NETHERLANDS

INVITED SPEAKERS

SARAH TUCK

She spent 12 years at sea as a deck officer where she qualified as a Master Mariner. She also served for a time in the Royal Naval Reserve. Her academic career began with a doctoral degree at Plymouth University, researching the socio-economics of small ports and wharves in the Southwest of England. She is presently a lecturer in Maritime Business within the International Shipping, Logistics & Operations Group at Plymouth University. Her current research interests include a successful Knowledge Transfer Partnerships (KTP) Project with Falmouth Harbour Commissioners, and input to the Low Carbon Shipping Consortium. Both projects are funded by the UK Government.

ANNE GALLAIS BOUCHET

She is a jurist specialized in ports and maritime transport. She began working at ISEMAR as she was preparing a PhD in maritime law, especially about the short sea shipping and the motorways of the seas. Previously, she worked on competition between European seaports. Since three years, she has been working on the French port reform and all the French port system. At the present, she is studying port's cooperation.

MIGUEL JOSÉ MARTINS CAETANO

He is a researcher specialised in marine science and chemical oceanography. He has been involved in several projects and governmental contracts concerning the environmental impact of structures in the coastal area including the disposal of sediments due to dredging operations. He devotes his research in biogeochemical processes in the water column, interactions of pollutants between sediments and aquatic organisms and diagenetic processes in sediments. He has around 70 published papers and participates in some national and international projects.

IGNACIO RODRÍGUEZ SÁNCHEZ-ARÉVALO

Chief of the Research and Development Department at the Spanish National Port Administration, he is in charge of the study and counseling of many Spanish State ports, as well as the area which manages all the Spanish State databases related with maritime climate. He has participated in several projects related with maritime engineering within which must be highlighted the “ROM Programme” (Guidelines for Maritime Works) where he has been member of the permanent Technical Committee. He counts on several SCI publications.

JAIME GONZÁLEZ

He is FTL manager of SW Europe at DB Schenker, since January, 2012. At the same time, he acts as the CEO of the RoRo intermodal transport society at Intermodal Sea Solutions, S.L. Economic and Social Counselor of Cantabria since October, 2010 where he leads a group for the Cantabria Competitiveness improvement. He was head of Road Transport at Transfesa in Europe (2004/2011). He was member of the European and Logistics Leaders Forum (2005/2010), Translink Society Counselor in Poland (2005/2010) and Commercial Director at C. Salvesen Gerposa (1995/2002). He is specialized in auto assembly plants supply and the development of transport solutions within the UE27.

JOSÉ ANTONIO JUANES DE LA PEÑA

M.Sc and Ph.D in Biology (University of Oviedo), he is Associate Professor of Environmental Hydraulics at the University of Cantabria (2006-until today) and Coordinator of the Hydrobiology and Environmental Management Area at the Environmental Hydraulics Institute (IH Cantabria). His research has focussed on water quality monitoring, environmental risk assessment and environmental management of coastal ecosystems. He was co-leader of the development of the Spanish ROM 5.1 Ports normative on Management of water quality in port areas and leader of the Interreg project PORTONOVO.

BÁRBARA ONDIVIELA EIZAGUIRRE

She is a researcher of the Environmental Hydraulics Institute “IH Cantabria” specialized in marine ecology and environmental management of aquatic systems. She obtained her doctoral degree at the University of Cantabria, with a methodological standard directed to manage the quality of coastal waters in port areas. This standard, included in the Spanish Standardization of Maritime Works and considered in the Spanish regulations for the planning process of the WFD, has been implemented in six Spanish ports. In the last years she has published scientific articles and book chapters and participated in national and international projects related with the integrated management of water systems in the context of the Water Framework Directive and the Habitats Directive.

MARIA DOLORES ORTIZ

Specialized on structures and coastal works, she belongs to the Directive Committee of the PIANC's Technical Association of Ports and Coasts. She is now working on her PhD thesis regarding the climatic change and the coastal management. Since 2008, she develops her professional activity as head of projects and works at the "Ministerio de Medio Ambiente y Medio Rural y Marino. Dirección General de Sostenibilidad de la Costa y el Mar".

ROSA MARI DARBRA

In 2005 she got her PhD from the Polytechnic University of Catalonia (UPC) focused on environmental management in ports. Currently, she is an Associate Professor at the Chemical Engineering Department of UPC. Her main field of research is environmental risk assessment applied to several areas such as sea-ports, chemical industry, river-basins, etc. She is accredited by Lloyd's register as an environmental auditor. She has been working in different EU countries (Port of Amsterdam, World Maritime University, Cardiff University, etc.) as well as in Australia (University of Wollongong). She has been involved in many EU projects, contributed to international conferences and published in peer-reviewed journals.

MIKE ELLIOTT

Director of the Institute of Estuarine & Coastal Studies and Professor of Estuarine and Coastal Sciences at the University of Hull, UK. He is a marine biologist with a wide experience of biological and environmental analyses, but also with interests in marine management and policy. He has studied the biota, physical characteristics and management of estuaries and coasts in great detail. His teaching, research, advisory and consultancy work has included studies of many marine and estuarine components as well as policy, governance and management; he focuses on the interactions between these aspects in relation to human activities. He has produced more than 150 peer-reviewed scientific publications and has co-authored or edited 11 books and conference proceedings on estuarine and marine issues. He has been/is a chair and/or member of many advisory panels for teaching and research both in the UK and elsewhere and he is one of the 3 Editors-in-Chief of the international journal Estuarine, Coastal and Shelf Science as well as being on editorial boards of other journals. He was previously employed by the Forth River Purification Board (now the Scottish Environmental protection Agency), Tidal Waters Section as the Senior Marine Biologist. Professor Elliott was a Ministerial appointment to the Marine Conservation Zone Science Advisory Panel and the immediate past president of the Estuarine & Coastal Sciences Association.

VICTOR N. DE JONGE

He is marine ecologist and oceanographer by training and specialised in integrated coastal management. As scientist, he has published on many issues divided over many disciplines like eutrophication, ecology of sea grasses, algal vegetations on salt marshes, ecology of microphytobenthos, nutrient chemistry, physics, methods, modelling, conservation, restoration and management. As former civil servant, he has extensive expertise in issues related to sustainability by developing policy plans and management plans related to ecosystem quality, structure and functioning in combination with interventions carried out by humans. He is the conference coordinator of the Estuarine and Coastal Sciences Association/ ECSA, honorary Professor of the Institute of Estuarine and Coastal Studies (IECS), Hull, United Kingdom and the Editor-in-Chief of the Elsevier journal Ocean & Coastal Management.

MARÍA LUISA SÁMANO CELORIO

She is a researcher of the Environmental Hydraulics Institute “IH Cantabria” specialized in port water management. She is member of the PORTONOVO project coordination team. Her PhD thesis was devoted to the development and integration of a water quality numerical model supported by a Geographic Information System. In the last years, she has participated in national and international projects related with the integrated management of port and estuarine water systems.

February 9th, 2012

09:00-09:30	PARTICIPANT REGISTRATION			
09:30-10:00	WELCOME SPEECH REPRESENTATIVES FROM CANTABRIAN GOVERNMENT AND IH CANTABRIA			
10:00-10:40	1.1 PORTONOVO OVERVIEW AND OBTAINED RESULTS. DSS DEMONSTRATION. COORDINATION: MARIA LUISA SÁMANO (IH CANTABRIA) GOVERNANCE: FRANÇOIS DUTERTRE (COMMUNAUTÉ URBAINE DE CHERBOURG) / GILLES BLANCHARD (EARTHCASE) ENVIRONMENTAL RISK ASSESSMENT: AINA GARCÍA (IH CANTABRIA) ENVIRONMENTAL MODELLING: ISABELLA ASCIONE KENOV (INSTITUTO SUPERIOR TÉCNICO) INDICATORS-MONITORING: MA. JESÚS BELZUNCE (AZTI TECNALIA) CASE STUDIES: HARRIET KNOWLES (FALMOUTH HARBOUR COMMISSIONERS) DSS: FELIPE FERNÁNDEZ (IH CANTABRIA)			SESSION 1: PORT MANAGEMENT SYSTEMS CHAIRPERSON: JOSÉ ANTONIO JUANES / MA. LUISA SÁMANO
10:40-11:00	1.2 MANAGING PORTS WITHIN THE PUBLIC POLICY FRAMEWORK IN ENGLAND AND WALES. SARAH TUCK (PLYMOUTH UNIVERSITY)			
11:00-11:20	1.3 FRENCH COMMERCIAL PORTS ORGANISATION AND MANAGEMENT. ANNE GALLAIS BOUCHET (ISEMAR)			
11:20-11:50	COFFEE BREAK			
11:50-12:10	1.4 ENVIRONMENTAL ISSUES ASSOCIATED WITH PORT ACTIVITY IN PORTUGAL. MIGUEL JOSÉ MARTINS CAETANO (PORTUGUESE INSTITUTE FOR SEA AND ATMOSPHERE)			
12:10-12:30	1.5 THE SPANISH PORT SYSTEM: AN OVERVIEW ON ITS LEGAL FRAMEWORK, ORGANIZATION, DEVELOPMENT MODEL AND ACTIVITIES OF INNOVATION AND TECHNOLOGICAL DEVELOPMENT. IGNACIO RODRÍGUEZ SÁNCHEZ-ARÉVALO (PUERTOS DEL ESTADO)			
12:30-12:50	1.6 SHORT SEA SHIPPING VS ROAD TRAFFIC: COMMERCIAL AND OPERATIVE STRATEGY JAIME GONZÁLEZ (DB SCHENKER)			
12:50-13:30	INTERACTIVE ROUND TABLE: SYNTHESIS, DEBATE, QUESTIONS, SUGGESTIONS FOR FUTURE WORKS, ETC.			
13:30-15:00	LUNCH			
15:00-15:30	SESSION 2A PORTONOVO PROJECT RESULTS CHAIRPERSON: JOSÉ ANTONIO JUANES MA. LUISA SÁMANO	SESSION 2B PORT WATER MANAGEMENT IN EUROPE CHAIRPERSON: FRANCISCO MARTÍN RAMIRO NEVES	SESSION 2C HMWB DUE TO PRESENCE OF PORTS CHAIRPERSON: MARIA J. BEBIANNO BÁRBARA ONDIVIELA	
	KEYNOTE: CHALLENGES IN WATER MANAGEMENT OF HEAVILY MODIFIED WATER BODIES (HMWB) DUE TO THE PRESENCE OF PORTS JOSÉ ANTONIO JUANES (IH CANTABRIA)			
15:30-16:30	4 X 15 MIN. CONTRIBUTIONS	4 X 15 MIN. CONTRIBUTIONS	4 X 15 MIN. CONTRIBUTIONS	
16:30-17:00	COFFEE BREAK			
17:00-18:00	4 X 15 MIN. CONTRIBUTIONS	4 X 15 MIN. CONTRIBUTIONS	4 X 15 MIN. CONTRIBUTIONS	
18:00-18:30	CANTABRIA COASTAL AND OCEAN BASIN (CCOB) PRESENTATION AND DEMONSTRATION			

February 9th, 2012

SESSION 2A: PORTONOVO PROJECT RESULTS	
15:30-15:45	2A.1 STUDY OF REGULATIONS IMPLEMENTED ON PORT WATER QUALITY MANAGEMENT. YASMINA EL MRABET (EARTHCASE)
15:45-16:00	2A.2 INTEGRATED APPROACH FOR ERA APPLICATION IN THE ATLANTIC AREA HARBOURS AINA GARCÍA (IH CANTABRIA)
16:00-16:15	2A.3 THE APPLICATION OF GOOD PRACTICE GUIDANCE AT FALMOUTH PORT - A UK CASE STUDY HARRIET KNOWLES (MARITIME SUSTAINABLE DEVELOPMENT AT FALMOUTH HARBOUR COMMISSIONERS)
16:15-16:30	2A.4 MODELLING METHODOLOGIES FOR HARBOURS MANAGEMENT: CASE STUDIES FROM THE EUROPEAN ATLANTIC AREA. ISABELLA ASCIONE KENOV (IST, LISBON)
16:30-17:00	COFFEE BREAK
17:00-17:15	2A.5 MODELLING PROCEDURE FOR THE ESTIMATION OF THE RECOVERY POTENTIAL OF AFFECTED WATERS BY DIFFERENT TYPES OF CONTAMINANTS IN HARBOURS. ANDREA DEL CAMPO (AZTI-TECNALIA)
17:15-17:30	2A.6 ECOLOGICAL POTENTIAL AND CHEMICAL STATUS ASSESSMENT IN PORTS OF THE ATLANTIC AREA. CONTRIBUTIONS FROM THE PORTONOVO PROJECT. MARÍA JESÚS BELZUNCE (AZTI-TECNALIA)
17:30-17:45	2A.7 PASSIVE SAMPLING TECHNOLOGY AS AN EMERGING STRATEGY FOR THE MONITORING OF THE CHEMICAL WATER QUALITY. MARIE HÉLÈNE DEVIER (UNIVERSITÉ DE BORDEAUX)
17:45-18:00	2A.8 MONITORING AND INDICATORS IN PORTS: DEVELOPMENT OF HFNI VALVOMETRY FOR THE ONLINE ASSESSMENT OF ECOLOGICAL POTENTIAL. JEAN CHARLES MASSABUAU (CNRS, FRANCE)

February 9th, 2012

SESSION 2B: PORT WATER MANAGEMENT IN EUROPE	
15:30-15:45	2B.1 OIL SPILL FORECASTING TOOL BASED ON HYBRID DOWNSCALING TECHNIQUES. SONIA CASTANEDO (IH CANTABRIA)
15:45-16:00	2B.2 APPLICATION OF INTEGRATIVE TOOLS FOR HARBOUR WATER QUALITY MANAGEMENT. JOXE MIKEL GARMENDIA
16:00-16:15	2B.3 WIND AND WAVE CLIMATE CHARACTERIZATION ALONG THE SPANISH PORTS ANTONIO TOMÁS (IH CANTABRIA)
16:15-16:30	2B.4 OPERATIONAL MODELLING FOR PORT WATER MANAGEMENT. RAMIRO NEVES (IST, LISBON)
16:30-17:00	COFFEE BREAK
17:00-17:15	2B.5 ENVIRONMENTAL MANAGEMENT OF WATER BODIES IN THE PORT OF TARRAGONA. PALOMA FERNÁNDEZ (IH CANTABRIA)
17:15-17:30	2B.6 PORT WATERS' MANAGEMENT AND CONTROL IN THE SANTANDER BAY. SUSANA RUBIO (SANTANDER PORT AUTHORITY)
17:30-17:45	2B.7 WATER MANAGEMENT IN NORTHWEST ATLANTIC PORTS: FROM THE CANARIES TO MOROCCO. ROSANA ÁLVAREZ (ELITTORAL ESTUDIOS DE INGENIERÍA COSTERA Y OCEANOGRÁFICA)
17:45-18:00	2B.8 PRESENTATION OF INNODRAVAL PROJECT: ENVIRONMENTAL DREDGING AND VALORIZATION OF CONTAMINATED SEDIMENTS. M ^a DEL PILAR SIEIRO

February 9th, 2012

SESSION 2C: HMWB DUE TO PRESENCE OF PORTS	
15:30-15:45	2C.1 USE OF NEW TECHNOLOGIES FOR ESTIMATING THE AFFECTED AREA OF CONTAMINANTS EVENTS: APPLICATION TO THE TARRAGONAS'S PORT MONOBUOY. PALOMA FERNÁNDEZ (IH CANTABRIA)
15:45-16:00	2C.2 WATER QUALITY ASSESSMENT IN PORTIMÃO HARBOR. MARIA JOÃO BEBIANNO (UNIVERSITY OF ALGARVE)
16:00-16:15	2C.3 WATER AND SEDIMENTS' QUALITY AT THE PORT OF AVEIRO: AN ECOTOXICOLOGICAL APPROACH. SUSANA LOUREIRO (UNIVERSITY OF AVEIRO)
16:15-16:30	2C.4 ASSESSING THE BIOLOGICAL EFFECTS OF INDUSTRIAL AND HARBOUR DISCHARGES ON ESTUARINE AREAS USING A SET OF PROCEDURES AT DIFFERENT LEVELS OF ORGANIZATION ANA DE LOS RÍOS (IH CANTABRIA)
16:30-17:00	COFFEE BREAK
17:00-17:15	2C.5 DETERMINATION OF METAL REGIONAL SEDIMENT QUALITY GUIDELINES, IN MARINE WATERS, WITHIN THE EUROPEAN WFD. IRATXE MENCHACA (AZTI-TECNALIA)
17:15-17:30	2C.6 FISHERIES AS INDICATORS OF PORT WATER MASSES MODIFICATION: THE CASES OF BILBAO & PASAJES RAÚL CASTRO URANGA (AZTI-TECNALIA)
17:30-17:45	2C.7 METHODOLOGY FOR ANALYZING AND INCREASING EFFICIENCY OF WATER MONITORING NETWORK. ANDREJ ABRAMIC (UNIVERSIDAD POLITÉCNICA DE VALENCIA)
17:45-18:00	2C.8 APPLICATION OF PASSIVE SAMPLERS AND BIOASSAYS TO CHARACTERIZE THE IMPACT OF AN EFFLUENT PLUME: AN EXAMPLE IN THE PORT AREA OF THE OIARTZUN ESTUARY (SOUTHEASTERN BAY OF BISCAY). NATALIA MONTERO (AZTI-TECNALIA)

February 10th, 2012

09:00-09:30	3.1 APPROACHES TO THE ASSESSMENT OF THE ECOLOGICAL POTENTIAL. THE SANTANDER PORT CASE. BÁRBARA ONDIVIELA (IH CANTABRIA)	SESSION 3: SCIENTIFIC AND TECHNOLOGICAL ADVANCES RELATED WITH PORT MANAGEMENT ACTIVITY CHAIRPERSON: JOSÉ ANTONIO JUANES / MA. LUISA SÁMANO
09:30-10:00	3.2 ENVIRONMENTAL SUSTAINABILITY OF PORT AND COASTAL INFRASTRUCTURES WITHIN THE ENVIRONMENTAL COMMITTEE (ENVICOM) OF PIANC MARIA DOLORES ORTIZ (PIANC)	
10:00-10:30	3.3 ENVIRONMENTAL MANAGEMENT TOOLS FOR PORTS. ROSA MARI DARBRA (UNIVERSITAT POLITÈCNICA DE CATALUNYA)	
10:30-11:00	COFFEE BREAK	
11:00-11:30	3.4 THE MANAGEMENT OF TRANSITIONAL AND COASTAL WATERS RELATED TO THE RESTORATION AND MAINTENANCE OF ECOSYSTEM SERVICES AND SOCIETAL BENEFITS: WITH RELEVANCE TO PORT ACTIVITIES MIKE ELLIOTT (INSTITUTE OF ESTUARINE & COASTAL STUDIES. UNIVERSITY OF HULL)	
11:30-12:00	3.5 PORT DEVELOPMENTS: EFFECTS AND REMEDIES. VICTOR N. DE JONGE (INSTITUTE OF ESTUARINE & COASTAL STUDIES. UNIV. OF HULL)	
12:00-12:30	3.6 DEVELOPMENT OF A DECISION SUPPORT SYSTEM TOWARDS THE ATLANTIC AREA HARBOURS WATER QUALITY MANAGEMENT. MARÍA LUISA SÁMANO (IH CANTABRIA)	
12:30-13:00	SUMMARY & CONCLUSIONS	
13:15-13:30	CLOSURE SPEECH REPRESENTATIVES FROM CANTABRIAN GOVERNMENT AND SANTANDER PORT AUTHORITY	
13:30-15:00	LUNCH	
15:00-15:30	SHUTTLE: IH-CANTABRIA – SANTANDER PORT	
15:30-16:30	SANTANDER PORT VISIT	

To take into consideration:

- English-Spanish translation will be available during Sessions 1 and 3
- The meeting room has WIFI (password Cantabr1a2011) and one PC with internet access.

Conferences' details:

- 1.1 PORTONOVO OVERVIEW AND OBTAINED RESULTS. DSS DEMONSTRATION.**
COORDINATION: MARIA LUISA SÁMANO (IH CANTABRIA)
GOVERNANCE: FRANÇOIS DUTERTRE (COMMUNAUTÉ URBAINE DE CHERBOURG) / GILLES BLANCHARD (EARTHCASE)
ENVIRONMENTAL RISK ASSESSMENT: AINA GARCÍA (IH CANTABRIA)
ENVIRONMENTAL MODELLING: ISABELLA ASCIONE KENOV (INSTITUTO SUPERIOR TÉCNICO)
INDICATORS-MONITORING: MA. JESÚS BELZUNCE (AZTI TECNALIA)
CASE STUDIES: HARRIET KNOWLES (FALMOUTH HARBOUR COMMISSIONERS)
DSS: FELIPE FERNÁNDEZ (IH CANTABRIA)
- 1.2 MANAGING PORTS WITHIN THE PUBLIC POLICY FRAMEWORK IN ENGLAND AND WALES.**
SARAH TUCK (PLYMOUTH UNIVERSITY)
- 1.3 FRENCH COMMERCIAL PORTS ORGANISATION AND MANAGEMENT.**
ANNE GALLAIS BOUCHET (ISEMAR)
- 1.4 ENVIRONMENTAL ISSUES ASSOCIATED WITH PORT ACTIVITY IN PORTUGAL.**
MIGUEL JOSÉ MARTINS CAETANO AND CARLOS VALE (PORTUGUESE INSTITUTE FOR SEA AND ATMOSPHERE)
- 1.5 THE SPANISH PORT SYSTEM: AN OVERVIEW ON ITS LEGAL FRAMEWORK, ORGANIZATION, DEVELOPMENT MODEL AND ACTIVITIES OF INNOVATION AND TECHNOLOGICAL DEVELOPMENT.**
IGNACIO RODRÍGUEZ SÁNCHEZ-ARÉVALO (PUERTOS DEL ESTADO)
- 1.6 SHORT SEA SHIPPING VS ROAD TRAFFIC: COMMERCIAL AND OPERATIVE STRATEGY**
JAIME GONZÁLEZ (DB SCHENKER)
- 2A.1 STUDY OF REGULATIONS IMPLEMENTED ON PORT WATER QUALITY MANAGEMENT.**
YASMINA EL MRABET AND GILLES BLANCHARD (EARTHCASE)
- 2A.2 INTEGRATED APPROACH FOR ERA APPLICATION IN THE ATLANTIC AREA HARBOURS**
AINA GARCÍA¹, MA. LUISA SÁMANO¹, JOXE MIKEL GARMENDIA², MARIA BEBIANNO³, SUSANA LOUREIRO⁴, HARRIET KNOWLES⁵, KAREN SUMSER-LUPSON⁵, JOSÉ ANTONIO JUANES¹
(¹IH CANTABRIA, ²AZTI-TECNALIA, ³UNIVERSITY OF ALGARVE, ⁴UNIVERSITY OF AVEIRO, ⁵FALMOUTH HARBOUR COMMISSIONERS)
- 2A.3 THE APPLICATION OF GOOD PRACTICE GUIDANCE AT FALMOUTH PORT - A UK CASE STUDY**
HARRIET KNOWLES¹, KAREN SUMSER-LUPSON¹, AINA GARCÍA², FELIPE FERNÁNDEZ², MA. LUISA SÁMANO², MARK SANSOM¹, JOSÉ ANTONIO JUANES²
(¹FALMOUTH HARBOUR COMMISSIONERS, ²IH-CANTABRIA)
- 2A.4 MODELLING METHODOLOGIES FOR HARBOURS MANAGEMENT: CASE STUDIES FROM THE EUROPEAN ATLANTIC AREA.**
ISABELLA ASCIONE¹, MA. LUISA SÁMANO², JAVIER F. BÁRCENA², ANDRÉS GARCÍA², ANDREA DEL CAMPO³, AINA GARCÍA², JOSÉ ANTONIO JUANES², RAMIRO NEVES¹
(¹IST, LISBON, ²IH-CANTABRIA, ³AZTI-TECNALIA)
- 2A.5 MODELLING PROCEDURE FOR THE ESTIMATION OF THE RECOVERY POTENTIAL OF AFFECTED WATERS BY DIFFERENT TYPES OF CONTAMINANTS IN HARBOURS.**
ANDREA DEL CAMPO¹, MARÍA LUISA SÁMANO², ISABELLA ASCIONE³, MANUEL GONZÁLEZ¹, AINA GARCÍA², RAMIRO NEVES³
(¹AZTI-TECNALIA, ²IH-CANTABRIA, ³IST, LISBON)
- 2A.6 ECOLOGICAL POTENTIAL AND CHEMICAL STATUS ASSESSMENT IN PORTS OF THE ATLANTIC AREA. CONTRIBUTIONS FROM THE PORTONOVO PROJECT.**
MARÍA JESÚS BELZUNCE¹ BÁRBARA ONDIVIELA², MARIE HÉLÈNE DEVIER³, ÁNGEL BORJA¹, MARIA J. BEBIANO⁴, HÉLÈNE BUDZINSKI³, JOXE MIKEL GARMENDIA¹, JOSÉ ANTONIO JUANES², HARRIET KNOWLES⁵, SUSANA LOUREIRO⁶, JEAN CHARLES MASSABUAU⁷, ARACELI PUENTE², I. ZORITA¹
(¹AZTI-TECNALIA, ²IH-CANTABRIA, ³UNIVERSITY OF BORDEAUX, ⁴UNIVERSITY OF ALGARVE, ⁵FALMOUTH HARBOUR COMMISSIONERS, ⁶UNIVERSITY OF AVEIRO, ⁷CNRS)

- 2A.7** PASSIVE SAMPLING TECHNOLOGY AS AN EMERGING STRATEGY FOR THE MONITORING OF THE CHEMICAL WATER QUALITY.
MARIE HÉLÈNE DEVIER¹, NATHALIE TAPIÉ¹, ANGEL BELLES¹, KARYN LE MENACH¹, MARIA GONZALEZ-REY², MARIA BEBIANNO², BEATRIZ ECHAVARRI³, JOSÉ ANTONIO JUANES³, HÉLÈNE BUDZINSKI¹
(¹UNIVERSITY OF BORDEAUX, ²UNIVERSITY OF ALGARVE, ³IH-CANTABRIA)
- 2A.8** MONITORING AND INDICATORS IN PORTS: DEVELOPMENT OF HFNI VALVOMETRY FOR THE ONLINE ASSESSMENT OF ECOLOGICAL POTENTIAL.
JC MASSABUAU¹, P CIRET¹, G DURRIEU³, B ECHAVARRI-ERASUN⁴, B ETCHEVERRÍA², J JUANES DE LA PENNA⁴, A MAT², D TRAN¹
(¹CNRS, ²UNIVERSITY OF BORDEAUX, ³UNIVERSITY OF BRETAGNE, ⁴IH-CANTABRIA)
- 2B.1** OIL SPILL FORECASTING TOOL BASED ON HYBRID DOWNSCALING TECHNIQUES.
SONIA CASTANEDO¹, ANA J. ABASCAL¹, PAULA CAMUS^{1,2}, ANTONIO TOMAS¹, MAR CARDENAS¹, RAUL MEDINA¹
(¹IH CANTABRIA, ²ATMOSPHERIC SCIENCE AND TECHNOLOGY DIRECTORATE, ENVIRONMENT CANADA)
- 2B.2** APPLICATION OF INTEGRATIVE TOOLS FOR HARBOUR WATER QUALITY MANAGEMENT.
J.M. GARMENDIA¹, N. MONTERO¹, M.J. BELZUNCE SEGARRA¹, A. DEL CAMPO¹, L. FERRER¹, J. LARRETA¹, M. GONZÁLEZ¹, M.A. MAIDANA², M. ESPINO²
(¹AZTI-TECNALIA, ²UPC)
- 2B.3** WIND AND WAVE CLIMATE CHARACTERIZATION ALONG THE SPANISH PORTS
ANTONIO TOMÁS, FERNANDO J. MÉNDEZ, IÑIGO J. LOSADA, PAULA CAMUS, MELISA MENÉNDEZ, FRANCISCO F. JAIME (IH CANTABRIA)
- 2B.4** OPERATIONAL MODELLING FOR PORT WATER MANAGEMENT.
RAMIRO NEVES, ISABELLA ASCIONE KENOV, FRANCISCO CAMPUZANO, RODRIGO FERNANDES, GUILLAUME RIFLET (IST, LISBON)
- 2B.5** ENVIRONMENTAL MANAGEMENT OF WATER BODIES IN THE PORT OF TARRAGONA.
PALOMA FERNÁNDEZ^{1,2}, MONTSERRAT CARREÑO², A. PECO², GABRIEL MAS², BÁRBARA ONDIVIELA¹, AINA GARCÍA¹, JOSÉ ANTONIO JUANES¹
(¹IH CANTABRIA, ²AUTORIDAD PORTUARIA DE TARRAGONA)
- 2B.6** PORT WATERS' MANAGEMENT AND CONTROL IN THE SANTANDER BAY.
SUSANA RUBIO (SANTANDER PORT AUTHORITY)
- 2B.7** WATER MANAGEMENT IN NORTHWEST ATLANTIC PORTS: FROM THE CANARIES TO MOROCCO.
C. COLLADO¹, M. D. GELADO¹, J. MORA², A. HERNÁNDEZ², M. N. HERNÁNDEZ³, M. HASSOU⁴, R. ÁLVAREZ⁵, Ó. BERGASA⁵ (¹DEPARTAMENTO DE QUÍMICA, UNIVERSIDAD DE LAS PALMAS DE GRAN CANARIA, ²AUTORIDAD PORTUARIA DE SANTA CRUZ DE TENERIFE, ³AUTORIDAD PORTUARIA DE LAS PALMAS, ⁴ANP, PORT D'AGADIR, ⁵ELITTORAL ESTUDIOS DE INGENIERÍA COSTERA Y OCEANOGRÁFICA SLNE)
- 2B.8** PRESENTATION OF INNODRAVAL PROJECT: ENVIRONMENTAL DREDGING AND VALORIZATION OF CONTAMINATED SEDIMENTS.
SIEIRO, M.P., MAROTO, J., FERNÁNDEZ, M.L., TORRES, S. (CETMAR)
- 2C.1** USE OF NEW TECHNOLOGIES FOR ESTIMATING THE AFFECTED AREA OF CONTAMINANTS EVENTS: APPLICATION TO THE TARRAGONAS'S PORT MONOBUOY.
PALOMA FERNÁNDEZ, AINA GARCÍA, BÁRBARA ONDIVIELA, JOSÉ ANTONIO JUANES (IH CANTABRIA)
- 2C.2** WATER QUALITY ASSESSMENT IN PORTIMÃO HARBOR.
CATARINA G. PEREIRA, ALEXANDRA CRAVO, FRANCISCO GONZALEZ-REY, DUARTE DUARTE, MARIA JOÃO BEBIANNO (UNIVERSITY OF ALGARVE)
- 2C.3** WATER AND SEDIMENTS' QUALITY AT THE PORT OF AVEIRO: AN ECOTOXICOLOGICAL APPROACH.
SUSANA LOUREIRO, SANDRA GONÇALVES, RICARDO CALADO, NEWTON C.M. GOMES AND AMADEU M. V. M. SOARES (UNIVERSITY OF AVEIRO)
- 2C.4** ASSESSING THE BIOLOGICAL EFFECTS OF INDUSTRIAL AND HARBOUR DISCHARGES ON ESTUARINE AREAS USING A SET OF PROCEDURES AT DIFFERENT LEVELS OF ORGANIZATION
A. DE LOS RÍOS^{1,2}, B. ECHAVARRI-ERASUN², A. ORBEA¹, J.A. JUANES², M.P. CAJARAVILLE¹
(¹UNIVERSITY OF THE BASQUE COUNTRY, ²IH CANTABRIA)

- 2C.5** DETERMINATION OF METAL REGIONAL SEDIMENT QUALITY GUIDELINES, IN MARINE WATERS, WITHIN THE EUROPEAN WFD
I. MENCHACA, M.J. BELZUNCE-SEGARRA, A. BORJA, J. FRANCO, J.M. GARMENDIA, J. LARRETA, J.G. RODRÍGUEZ
(AZTI-TECNALIA)
- 2C.6** FISHERIES AS INDICATORS OF PORT WATER MASSES MODIFICATION: THE CASES OF BILBAO & PASAJES
RAÚL CASTRO URANGA (AZTI-TECNALIA)
- 2C.7** METHODOLOGY FOR ANALYZING AND INCREASING EFFICIENCY OF WATER MONITORING NETWORK.
ANDREJ ABRAMIC, NIEVES MARTINEZ-ALZAMORA, JULIO GONZÁLEZ DEL RIO RAMS
(UNIVERSIDAD POLITÉCNICA DE VALENCIA)
- 2C.8** APPLICATION OF PASSIVE SAMPLERS AND BIOASSAYS TO CHARACTERIZE THE IMPACT OF AN EFFLUENT PLUME: AN EXAMPLE IN THE PORT AREA OF THE OIARTZUN ESTUARY (SOUTHEASTERN BAY OF BISCAY).
N MONTERO¹, MJ BELZUNCE-SEGARRA¹, JL GONZÁLEZ², JM GARMENDIA¹, I MENCHACA¹, J FRANCO¹
(¹AZTI-TECNALIA, ²IFREMER)
- 3.1** APPROACHES TO THE ASSESSMENT OF THE ECOLOGICAL POTENTIAL. THE SANTANDER PORT CASE.
BÁRBARA ONDIVIELA, ARACELI PUENTE, AINA GARCÍA, MARÍA LUISA SÁMANO, JOSÉ ANTONIO JUANES
(IH CANTABRIA)
- 3.2** ENVIRONMENTAL SUSTAINABILITY OF PORT AND COASTAL INFRASTRUCTURES WITHIN THE ENVIRONMENTAL COMMITTEE (ENVICOM) OF PIANC
MARIA DOLORES ORTIZ (PIANC)
- 3.3** ENVIRONMENTAL MANAGEMENT TOOLS FOR PORTS.
R.M. DARBRA¹, H. JOURNEE², C. F. WOOLDRIDGE³
(¹UNIVERSITAT POLITÉCNICA DE CATALUNYA, ²ECOSLC, ³CARDIFF UNIVERSITY,)
- 3.4** THE MANAGEMENT OF TRANSITIONAL AND COASTAL WATERS RELATED TO THE RESTORATION AND MAINTENANCE OF ECOSYSTEM SERVICES AND SOCIETAL BENEFITS: WITH RELEVANCE TO PORT ACTIVITIES
MIKE ELLIOTT (INSTITUTE OF ESTUARINE & COASTAL STUDIES. UNIVERSITY OF HULL) IN COLLABORATION WITH PARTNERS FROM THE IVB INTERREG PROJECT TIDE.
- 3.5** PORT DEVELOPMENTS: EFFECTS AND REMEDIES.
VICTOR N. DE JONGE¹ AND HENK M. SCHUTTELAARS²
(¹IECS. UNIVERSITY OF HULL, ²DELFT UNIVERSITY OF TECHNOLOGY)
- 3.6** DEVELOPMENT OF A DECISION SUPPORT SYSTEM TOWARDS THE ATLANTIC AREA HARBOURS WATER QUALITY MANAGEMENT.
MARÍA LUISA SÁMANO¹, FELIPE FERNÁNDEZ¹, AINA GARCÍA¹, ANDRÉS GARCÍA¹, BÁRBARA ONDIVIELA¹, HARRIET KNOWLES², KAREN SUMSER – LUPSON², JOSÉ ANTONIO JUANES¹.
(¹IH CANTABRIA, ²FALMOUTH HARBOUR COMMISSIONERS)

Attendance list:

<u>Name</u>	<u>email</u>	<u>Institution</u>
Abel San Romualdo Collado	abelsanromualdo@gmail.com	IH Cantabria. Universidad de Cantabria.
Alba Cid Carrera	alba.cid@unican.es	IH Cantabria. Universidad de Cantabria.
Alberto Criado	acriado@ecohydros.com	ECOHYDROS S.L.
Álvaro Baigorri Agrelo	alvaro.baigorri@gmail.com	Universidad de Cantabria
Ana Julia Abascal	abascalaj@unican.es	IH Cantabria. Universidad de Cantabria.
Andrea Del Campo	adelcampo@azti.es	AZTI-Tecnalia
Andrea Rujua	rujua@unican.es	IH Cantabria. Universidad de Cantabria.
Andrej Abramić	anab1@doctor.upv.es	Vik-inžinering d.o.o
Andrés García	garciagan@unican.es	IH Cantabria. Universidad de Cantabria.
Ángel David Gutiérrez Barceló	david.gutierrez@sands.es	SandS Corp, S.L.
Anne Gallais Bouchet	gallais.bouchet@isemar.asso.fr	ISEMAR
Antonio Tomás	tomasan@unican.es	IH Cantabria. Universidad de Cantabria.
Araceli Puente	puentea@unican.es	IH Cantabria. Universidad de Cantabria.
Bárbara Ondiviela	ondiviela@unican.es	IH Cantabria. Universidad de Cantabria.
Beatriz Echavarri Erasun	echavarrib@unican.es	IH Cantabria. Universidad de Cantabria.
Borja Martín Carrancho	bmcarrancho@gmail.com	Universidad de Cantabria
Carlos Botana Lagarón	carlosbotana@apvigo.es	Autoridad Portuaria de Vigo
Chantal Loy	chantal.loy@cuc-cherbourg.fr	Communauté urbaine de Cherbourg
Eduarne Estévez	edurne.estevez@alumnos.unican.es	Universidad de Cantabria
Estibaliz Calleja Setien	esticalleja@gmail.com	Universidad de Cantabria

<u>Name</u>	<u>email</u>	<u>Institution</u>
Estibaliz Soriano	estibaliz.soriano@alumnos.unican.es	Universidad de Cantabria
Felipe Fernández	fernandezf@unican.es	IH Cantabria. Universidad de Cantabria.
François Dutertre	francois.dutertre@cuc-cherbourg.fr	Communauté urbaine de Cherbourg
Gabriel Diaz Hernandez	diazg@unican.es	IH Cantabria. Universidad de Cantabria.
Gilles Blanchard	gilles.blanchard@earthcase.eu	EARTHCASE SARL
Gorka Bidegain Cancer	bidegaing@unican.es	IH Cantabria. Universidad de Cantabria.
Harriet Knowles	msdo@falmouthport.co.uk	Falmouth Harbour Commissioners
Humberto Negrín Matías	hnegrin@palmasport.es	Autoridad Portuaria de las Palmas
Ignacio Rodríguez Sánchez-Arévalo	irarevalo@puertos.es	Puertos del Estado
Ilgar Özgürel	ioezguerel@corelab.uni-kiel.de	University of Kiel
Iratxe Menchaca	imenchaca@azti.es	AZTI-Tecnalia
Isabella Ascione Kenov	isabella.ascione@ist.utl.pt	Instituto Superior Técnico
Jaime González	jaime.gonzalez@Transfesa.com	DB Schenker
James Chapman	james.chapman@dcu.ie	Marine and Environmental Sensing Technology Hub (MESTECH)
Javier F. Bárcena	barcenajf@unican.es	IH Cantabria. Universidad de Cantabria.
Javier García Alba	garciajav@unican.es	IH Cantabria. Universidad de Cantabria.
Javier Granero Castro	jgranero@taxusmedioambiente.com	TAXUS MEDIO AMBIENTE
Jean Charles Massabuau	jc.massabuau@epoc.u-bordeaux1.fr	CNRS
Jean-Luc Simon	jean-luc.simon@cuc-cherbourg.fr	Communauté urbaine de Cherbourg
Jesús Pedro Bedoya Vega	bedoya_jp@cantabria.es	GOBIERNO DE CANTABRIA
José Andrés Lázaro Villanueva	jandres.lazaro@markleen.eu	Markleen

<u>Name</u>	<u>email</u>	<u>Institution</u>
José Antonio Juanes	juanesj@unican.es	IH Cantabria. Universidad de Cantabria.
Joxe Mikel Garmendia	jgarmendia@azti.es	AZTI-Tecnalia
Karen Sumser-Lupson	karen.lupson@btopenworld.com	Falmouth Harbour Commissioners
Lara Ruiz Gonzalez	ruizl@unican.es	IH Cantabria. Universidad de Cantabria.
Laura Zubiate Sologaistoa	laura.zubiate@yahoo.es	Universidad de Cantabria
Luis González De Ulloa	l.ulloa@pitkgroup.com	PI.T.K. BUSINESS, S.L.
M ^{ra} Del Pilar Sieiro Piñeiro	psieiro@cetmar.org	Centro Tecnológico del Mar - Fundación CETMAR
Mar Cárdenas	cardenasm@unican.es	IH Cantabria. Universidad de Cantabria.
Maria Bebianno	mbebian@gmail.com	Universidade do Algarve
María Belén Gutiérrez	gutierremb@unican.es	Universidad de Cantabria
María Dolores Ortíz	DOrtiz@marm.es	PIANC
María Jesús Belzunce Segarra	jbelzunce@azti.es	AZTI-Tecnalia
María Luisa Sámano	samanoml@unican.es	IH Cantabria. Universidad de Cantabria.
María Pilar Pereda Pérez	pereda_mpi@cantabria.es	DG de Pesca y Alimentación. Consejería de Ganadería, Pesca y Desarrollo Rural. Gobierno de Cantabria
Marie Hélène Devier	mh.devier@epoc.u-bordeaux1.fr	EPOC-LPTC, University of Bordeaux
Marta Ana López López	lopez_ma@gobcantabria.es	Consejería de Ganadería, Pesca y Desarrollo Rural del Gobierno de Cantabria
Mary Nieves Hernandez Artiles	mnhernandez@palmasport.es	Autoridad Portuaria de Las Palmas
Miguel Caetano	mcaetano@ipimar.pt	Instituto Nacional Dos Recursos Biológicos
Mike Elliott	Mike.Elliott@hull.ac.uk	Institute of Estuarine & Coastal Studies. University of Hull

<u>Name</u>	<u>email</u>	<u>Institution</u>
Miriam Jiménez Tobio	jimeneztm@unican.es	IH Cantabria. Universidad de Cantabria.
Moises Martínez Martínez	moima_1985@hotmail.com	Universidad de Cantabria
Natalia Montero Ruiz	nmontero@azti.es	AZTI-Tecnalia
Óscar Bergasa López	obergasa@elittoral.es	elittoral Estudios de ingeniería costera y oceanográfica SLNE
Paloma Fernández	fernandezvp@unican.es	IH Cantabria. Universidad de Cantabria.
Patricia Canel Fernández	pcanel@hotmail.es	Universidad de Cantabria
Pedro Martinez Gonzalez	pmartinez@iproma.com	IPROMA
Pilar Del Barrio Fernández	delbarriop@unican.es	IH Cantabria. Universidad de Cantabria.
Ramiro Neves	ramiro.neves@ist.utl.pt	Instituto Superior Técnico
Raúl Castro	rcastro@azti.es	AZTI-Tecnalia
Rosa María Darbra	rm.darbra@upc.edu	Universitat Politècnica de Catalunya
Rosana Álvarez Vázquez	ralvarez@elittoral.es	elittoral Estudios de ingeniería costera y oceanográfica SLNE
Sara Arce Cardo	acs9999@cantabria.es	Oficina de Asuntos Europeos (Cantabria)
Sarah Tuck	S.Tuck@plymouth.ac.uk	Plymouth University
Sonia Castanedo	castanedos@unican.es	IH Cantabria. Universidad de Cantabria.
Susana Loureiro	sloureiro@ua.pt	University of Aveiro
Uxía Vázquez Ferreiro	uvazquez@cetmar.org	Centro Tecnológico del Mar, Fundación CETMAR
Victor N. De Jonge	v.n.de.jonge@planet.nl	Institute of Estuarine & Coastal Studies. University of Hull
Yasmina El Mrabet	yasmina.el-mrabet@earthcase.eu	EARTHCASE SARL