

### Report of the IHO-EU network working group (IENWG)

<b>Submitted by:</b>	Chair of IENWG
<b>Related Documents:</b>	MoU signed on 23 <sup>rd</sup> April 2012 between IHO and EC /
<b>Related Projects:</b>	/

<b>Chair:</b>	Laurent Louvart, France
<b>Vice-Chair:</b>	/
<b>Executive Secretary:</b>	Corine Lochet, France
<b>Members:</b>	IHB, ARHC, represented by Denmark BSHC, represented by Sweden EAthC, represented by France MACHC, represented by France MBSHC, represented by Greece NHC, represented by Norway NSHC, represented by Germany SAIHC, represented by France SWPHC, not yet represented
During NIOHC18 in April 2018 it was decided that NIOHC will no longer be represented at IENWG meetings	
<b>Expert Contributors:</b>	/

#### Meetings Held During Reporting Period

IENWG 8 - Plenary Session, Brussels, Belgium (27 February 2018)

IENWG 7 - Saint-Mandé, France (6-7 February 2018)

IENWG 6 - Plenary Session, Brussels, Belgium (27-28 September 2018)

EC-IHO 9 - Brussels, Belgium (28 February 2018)

Since the 9<sup>th</sup> IRCC meeting in June 2017 several IENWG meetings have been accomplished. Especially worth mentioning is those that have been held in Brussels 27 – 28 February 2018.

The internal plenary IENWG-8 meeting on the first day had the following major topics:

- Future work and structure of the IENWG
- Marine Spatial Planning
- EU Projects
- Broad uses of S 102 Standard (not limited to safety of navigation)
- Historical Documents

On the second day the 9<sup>th</sup> EC-IHO meeting was held at the CPMR Offices under the headline “Protecting our coasts: how to anticipate and monitor coastal risks”. Several DGs and representatives were present (DG Mare, CPMR, EMODnet, Copernicus, EuroGOOS/EOOS and representatives from several regions. Important topics were :

- Visibility of hydrography
- Future perspectives of co-operation
- Participation of IHO representatives in EuroGOOS<sup>1</sup> Assembly and the forthcoming EOOS<sup>2</sup> Conference

#### Work Programme

<sup>1</sup> European Global Ocean Observing System

<sup>2</sup> European Ocean Observing System

During the reporting period, the activities have mainly concerned:

1. “Coastal Mapping”:

A consortium, led by SHOM (FR) with 19 partners from 15 countries was awarded the contract by the DG MARE in June 2015. See <http://coastal-mapping.eu/>. An algorithm has been developed, and is available in the portal, in order to calculate and suggest suitable survey methods for different depths ranges and different turbidity. The project was finalized in December 2016. The portal will be up and running until 2018. A proposal of a future Joint European Mapping Programme has been proposed and has been presented to the EU Commission.

2. EMODNet:

The EMODnet data infrastructure is being constructed in three major phases and is currently in the 3rd phase of development (2017 - 2020). Building on the EMODnet Bathymetry portal developed during Phase I (2009-2013) & Phase 2 (2013-2017), Phase 3 will see further upgrading of the EMODnet Digital Terrain Models (DTM), including incorporation of more surveys and further improvement of the digital bathymetry. Satellite Derived Bathymetry (SDB) data will be included to cover gaps in survey coverage. Coverage of the DTM will be extended to include also the European coastal zones as well as the European Arctic region and Barents Sea. Furthermore, higher resolution DTM will be developed and made available where underlying data are available and releasable for publication by its owners. (see also <http://www.emodnet.eu/> and <http://portal.emodnet-bathymetry.eu/>)

3. Maritime spatial planning:

Due to the national role of several HOs for maritime spatial planning which is a growing subject of interest in Europe (Directive 2014/89/EU ), IENWG has sought and obtained a position of observer in the EC Member State Expert sub-group on Maritime Spatial Planning.

4. Miscellaneous:

The WG conducts actions to improve cooperation with the European Commission, by promoting amongst its entities and with decision makers the role of the hydrographic offices in development of EU maritime policies.

Within its participation to EOOS instances (Forum in March 2018, Conference in November 2018) , the WG follows the preparation of the next Research Programme “Horizon 2020-30” (FP9), for which it could propose inputs on several items, among those in the MoU, in order to help the European commission to include hydrographic aspects in calls for proposals.

**Progress on IRCC Action Items**

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**Problems Encountered**

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**Any Other Items of Note**

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**Conclusions and Recommended Actions**

As the process of establishing priorities of 2021-2027 European multiannual financial framework has started in 2018, it is now time to identify the future orientations for this WG to prepare tomorrow's challenges accordingly to IHO and EU HOs priorities and resources.

It's proposed to IRCC to endorse the new work programme of IENWG in annex.

**Justification and Impacts**

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**Action Required of IRCC**

The IRCC is invited to endorse the report and the work programme.

**CONSOLIDATED IHO-EU network WG Work Programme**  
*Current Version 27-Feb-2018*

**Tasks**

A	To follow up on the COASTAL MAPPING project in a JECMAP perspective
B	To evolve the position of European HOs about the future phase of EMODNet, the long term marine data initiative from the European Commission
C	To improve cooperation with the European Commission, by promoting amongst its entities and with decision makers the role of the hydrographic offices in development of EU maritime policies
D	To monitor European directives, calls for tenders and proposals, projects, events, etc, potentially impacting HOs and to define actions to be conducted in accordance

**Work Items**

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Supersede d	Contact Person(s)	Related Pubs / Standard	Remarks
A.1	COASTAL MAPPING to follow up	H				P	GE (NSHC) DK (ARTIC) FR (EATHC) IT (MBSHC)	CSB Guidance	Built of a mutualized data acquisition plan per maritime basin  Cross areas of interest - with UE Strategy for axis 1 (EOOS ... ) and with ESIF opportunities - with CPMR tools for axis 2 - with CSBWG for axis 3
B.1	EMODNet & INSPIRE	H	S-1** issues			P	DK, NO with FR (EMODNet leader)		Prepare a submission paper to S-100 WG and DQWG on IHO strategy regarding Inspire (roughly, how to be sure that Inspire takes into account S-100 multi purpose profiles)
C.1	Participation to the European Maritime Day 2018 (Bulgas, Bulgaria)	L		31 <sup>th</sup> may 2018	1 <sup>st</sup> jun 2018	P			Promote the role of the hydrographic offices in the development of EU maritime policies

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Supersede d	Contact Person(s)	Related Pubs / Standard	Remarks
C.2	Proposal of a historical data rescue project	M				P	PT with FR, SP, IT, IR		<b>Organize a meeting for refining a data rescue project</b> Link TWCWG through HSSC Management of the project out of IENWG
C.3	Answer to the FP9 questionnaire	H			8 <sup>th</sup> Mar 2018	C	NO, DE, FR ...		Promote the role of the hydrographic offices in the development of EU DG Research policy
C.4	Answer the EU consultation on the UE policy adequation to the climate change	H				C	FR ...		Promote the role of the hydrographic offices in the development of EU DG Climate policy
C.5	MSP - Marine Spatial Planning  HOs experiences feedback to EU MSP Expert Group	M	Next MSP Expert Group meeting		22 <sup>nd</sup> nov 2018	P	DE, DK with FR, NO		Provide MSDIWG with a submission paper, taking into account data relevant for MSP and recommendations for metadata

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Supersede d	Contact Person(s)	Related Pubs / Standard	Remarks
C.6	Participate to INSPIRE Conference (Antwerp, Belgium)	M		18 <sup>th</sup> sept 2018	21 <sup>th</sup> sept 2018		NE with FR		HOs experiences feedback
C.7	Answer the EOOS questionnaire	H			12 <sup>th</sup> apr 2018	C	FR		<p>Promote the role of the hydrographic offices in the EOOS strategic plan</p> <p>A report of the EOOS Forum (8<sup>th</sup> -9<sup>th</sup> mar 18) has been disseminated within the WG</p>

Work item	Title	Priority H-high M-medium L-low	Next milestone	Start Date	End Date	Status P-planned O-ongoing C-completed S-Supersede d	Contact Person(s)	Related Pubs / Standard	Remarks
C.8	Participate to EOOS Conference (Brussels, Belgium)	H		21 <sup>th</sup> nov 2018	23 <sup>th</sup> nov 2018	P	FR (Chair)		<p>Promote the role of the hydrographic offices in the EOOS strategic plan</p> <p>Chair will prepare a position paper for EOOS Conference, to be endorsed by the IENWG</p> <p>A IENWG9 plenary meeting will be organized back-to-back to the EOOS Conference</p>
D.1	To detect calls for tenders, calls for proposals, projects and events which could be of interest to the IENWG	M				O	FR		Establish a process to monitor EC communications (beyond DG MARE)



**CONSOLIDATED IHO-EU network WG Work Programme**  
*Current Version 27-Feb-2018*

**List of Members**

<b>Member State</b>	<b>RHC<sup>34</sup></b>		
<b>Full members (ToR 4.a)</b>	Representing		
Denmark	Arctic HC	M Jens Peter WEISS HARTMANN	jepha@gst.dk>
France (Chair)	East Atlantic HC, Meso American and Carribean Sea HC, Southern Africa and Islands HC	M Laurent LOUVART	laurent.louvard@shom.fr
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Greece	Mediterranean and Black Sea HC	M D. EVANGELIDIS	geopol_hnhs@navy.mil.gr
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Sweden	Baltic Sea HC	M Magnus WALLHAGEN	Magnus.Wallhagen@Sjofartsverket.se
<b>Associate members (ToR 4.b)</b>			
/			
<b>Observer (ToR 4.d)</b>			
Italy	Mediterranean and Black Sea HC	M Paolo LUSIANI	paolo.lusiani@marina.difesa.it
		M Marco GRASSI	marco.grassi@marina.difesa.it
<b>IHB</b>		M Abri KEMPFER	dtech@iho.int
		M Yves GUILLAM	

<sup>3</sup> RHC : Regional Hydrographic Commission

<sup>4</sup> South West Pacific HC should have a representative but has not yet