Mediterranean & Black Sea

Report of the Marine Spatial Data Infrastructure Working Group (MSDIWG)

To MBSHC19

30 June- 2 July 2015, Batumi, Georgia

By E. Langlois (France)

On behalf of The MSDIWG Chair

Jens Peter Hartmann (Denmark)

MSDI WG and Open Forum Meeting
3-6 March 2015 London, UK

"Building a maritime spatial data infrastructure – Are the principles at odds with strategies for delivery"

- 32 participants
- 10 countries
- Government, Private Industry and Academia

MSDIWG 6
4-6 March 2015 - London, UK

23 participants:

- 17 members from 9 Member States

- 5 expert contributors from Private Industry and Academia

- 1 representative from IHB

Content

- **Principal activities and achievements**
  - HSSC actions for MSDIWG
  - Progress on IRCC actions
  - Input for HSSC through IRCC
  - Issues of Importance

- **Work plan from 2015 - 2020**

- **Actions required of MBSHC**

HSSC actions for MSDIWG

- Move from HSSC to **IRCC**
  - completed January 1st 2015.

- Develop content for an Introduction to **MSDI training** course.

- Consider the impact of **UN-GGIM** initiative on MSDIWG.
  - MSDIWG contributed to *"A Guide to the Role of Standards and Geospatial Information Management"*

Progress on IRCC actions

- **Deliver a MSDI course with IOC and /or other organizations**
  - **draft of syllabus has been delivered with the MSDIWG report**
    - orientation module
    - Fundamentals
    - Database design, and management
    - MSDI for Senior Managers

  - **An application to deliver the course, sent to CBSC-13.**

- **Contribute to the development of MSDI**
  - **A paper was forwarded to IRCC6**
  - **Focus is on how IHO could contribute to the MSDI engaging Regional Hydrographic Commissions**

Input for HSSC through IRCC

- **Interoperability** of bathymetric layer of INSPIRE and S-102
  - S-102 Elevation theme; avoid maintaining two bathymetry layers
  - Development of S-102 in cooperation with INSPIRE team and harmonious development of bathymetry

- **S-1XX** specifications and progress
- EC JRC considering S-100
- Ensure EU MS engaged in INSPIRE
- All IHO MS' to be aware of **MSDI Training Syllabus**
- All IHO MS' aware of the **IHO-MSDI LinkedIn** group (CARIS)

Issues of importance

- **Demands:** seeking greater understanding of MSDI

- **Education:** HO's to engage in sharing, exchange of information and experience, etc.
  - Application sent to CBSC-13 to deliver an MSDI training course

- **INSPIRE**
  - MSDI to be included in the scope of INSPIRE

- **New European Directive**
  - on Marine Spatial Planning, expected to influence MSDI and all MS.
  - Focus on data and exchange of data, for example:
    - Use best available data
    - Ensure trans-boundary cooperation
    - Establish and implement spatial planning
    - Consider relevant interactions of activities and uses

Issues of importance (Continued)

Towards Data Centricity

- **Data custodian vs product producer**
  - Output focused on products rather than data

- **Loss of potential**
  - Fraction of data collected is passed to users

- MSDI requires **data in generic format**
  - not a particular product for a user group

- **S-100 for e-navigation**
  - Still not ready

MSDI Work Programme 2015 - 2020

A. Promote MSDI **best practices**

B. Assess existing and new **standards**

C. MSDI **Training and education**

D. Facilitate **communication**

E. Maintain and extend **C-17**

F. Conduct annual **meetings**

G. Ensure that MSDI is a **standing agenda for RHCs' meetings**

Next Planned Meeting

The IHO MSDIWG expects to hold:

- a one-day Demonstration Workshop for expert contributing bodies

- a day-long Open Forum and

- the seventh MSDIWG meeting from 25 to 29 January 2016, hosted by the Japan Hydrography and Oceanography Department (JHOD) in Tokyo, Japan.

IRCC7 actions regarding MSDIWG

Action 47: IRCC Chair to request HSSC to consider the technical issues raised in the MSDIWG Report, doc. IRCC7-08E (deadline: HSSC7).

Action 48: RHC consider **nominating regional representatives** on the MSDIWG (deadline: December 2015).

Action 49: MSDIWG to present examples of best practice MSDI at IRCC8 (Task A of the MSDIWG WP) (deadline: IRCC8).

Action 67: MSDIWG to prepare a **supplement or additional chapter,** as appropriate, to **C-17-Spatial Data Infrastructures: "The Marine Dimension" - Guidance for Hydrographic Offices** to provide guidance on mechanisms that can be established to improve national access to bathymetric and related hydrographic data originally collected for commercial or scientific purposes. This work should take into account docs. IRCC7-11B and IRCC7-11E (deadline: IRCC8).

Action 68: MSDIWG to submit **the draft revision to C-17** resulting from the work under Action 67 to IRCC for review and endorsement prior to any formal adoption by Member States (deadline: IRCC8).

Actions Required of MBSHC

- Take note of the MSDIWG report