Paper for Consideration by the IHO-MSDIWG10

MSDI Training Material

Submitted by:	IHO MSDIWG Chair
Executive Summary:	The DGA, as the IHO MSDIWG Chair, has decided to establish and fund the establishment of the necessary MSDI training material with help from an external partner.
Related Documents:	C-17
Related Projects:	-

Introduction / Background
At the latest meeting of the IHO Inter-Regional Coordination Committee (IRCC), which took place in2018, MSDI was highlighted as an important component of the future development of hydrographic offices. It was concluded, that there is either no or very little basic teaching material available for MSDI training that is free of charge for IHO Member States. IRCC therefore decided to task the MSDI working group to establish basic MSDI training material, in order for IHO Member States and the Regional Hydrographic Commissions to conduct basic MSDI education/training. The MSDI training material should be available free of charge from the IHO webpage and from the DGA webpage.

Analysis/Discussion
The establishment of MSDI training material, including the teaching material, will be divided into two phases:
In phase 1, the actual MSDI and teaching material will be established, which could/should be based on the publication C-17 Spatial Data Infrastructures "The Marine Dimension", including Annex 1. Syllabus for Educational and Training Programs for Marine Spatial Data Infrastructures.
There should be focus on the content specified in the two introductory teaching courses 1) MSDI orientation and 2) Fundamentals of a Marine Spatial Data Infrastructure (MSDI). The result/deliverables in this phase will be the actual MSDI training material and the teaching material for use by e.g. internal "teachers" in the hydrographic offices.
In phase 2, a MSDI e-learning program will be developed that should allow people to access MSDI teaching externally and even take the teaching on-line. The MSDI teaching materials will be available on the IHO's website for free and on the DGA's own website.

Conclusions
MSDI orientation. The course is aimed at students who are marine focused but who have very little experience of MSDI concepts or practice.
This course is modelled on the IHO MSDIWG standard Orientation syllabus and is aimed at decision makers possibly at a senior level, not necessarily from a hydrographic background but certainly involved in marine geospatial data.

Fundamentals of a Marine Spatial Data Infrastructure. The course is aimed at students who are marine geospatial professionals but who have very little experience of marine spatial data infrastructures (MSDI). It is designed as an introductory one-day course in the fundamentals of MSDI concepts, theory and practice. The course is based on material in the public domain, the many sources of information about MSDI available and includes notes on the accompanying slides and exercises to be considered as appropriately. These exercises would also be useful in a group context for the delivery of workshops supporting the course.

There are two main uses of these documents in conjunction with the course slides themselves.
1. A participant who wants to download and self-learn from the materials provided.
2. A participant who wishes to deliver the materials in a group setting with stakeholders.

Recommendations

The IHO MSDIWG10 is invited to evaluate and discuss the attached training material and to participating in establishing the way forward

Action Required of IHO MSDIWG10

The MSDIWG is invited to:

a.   note this report;

b.   take appropriate actions.