

The Italian capacity development programme in the Mediterranean region

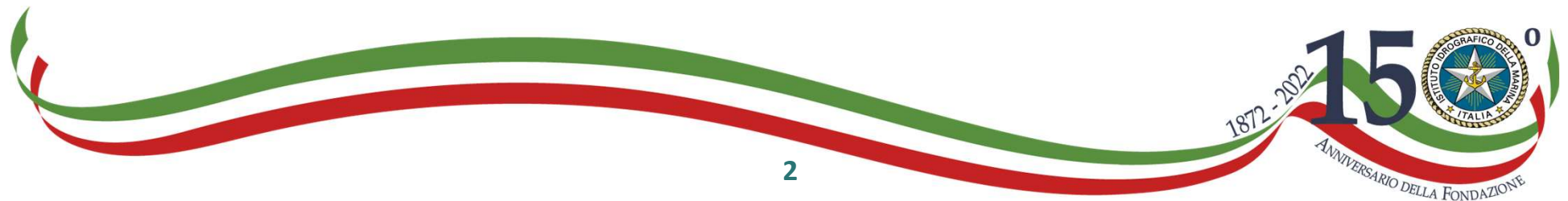
Commander Nicola Pizzeghello
Italian Hydrographic Institute
Head of Production Department



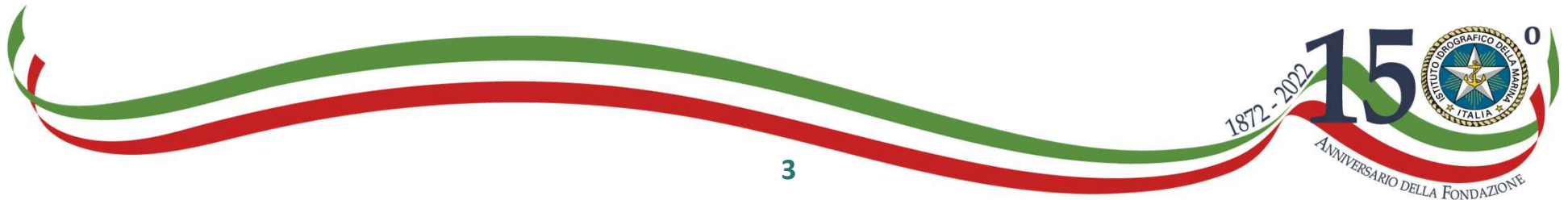
The Italian capacity development programme in the Mediterranean region

AGENDA

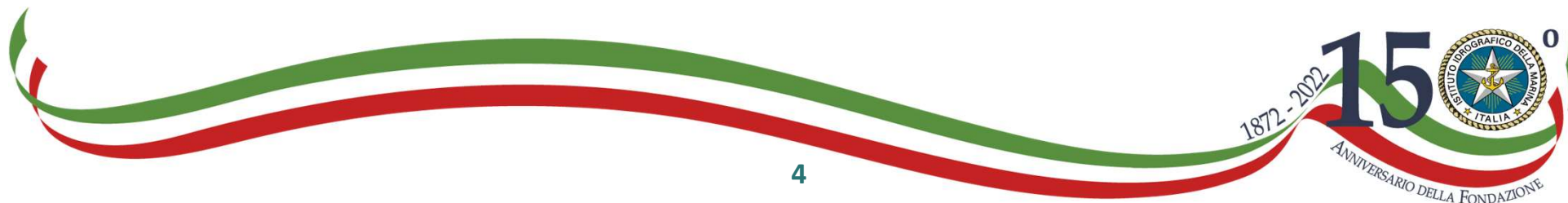
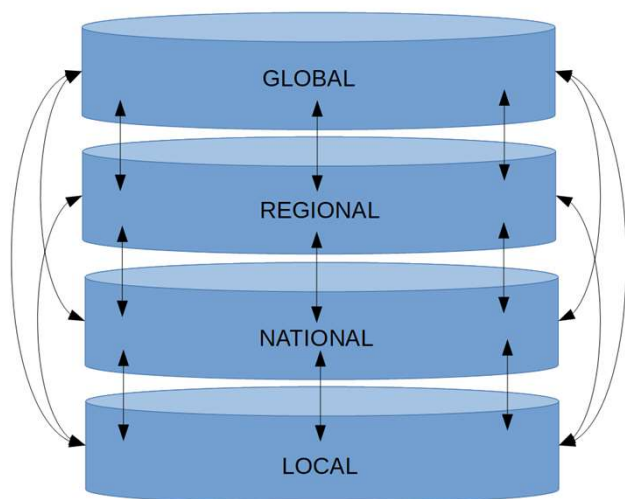
- Building a new hydrographic service
- Charting co-production
- Regional MSDI ambassador



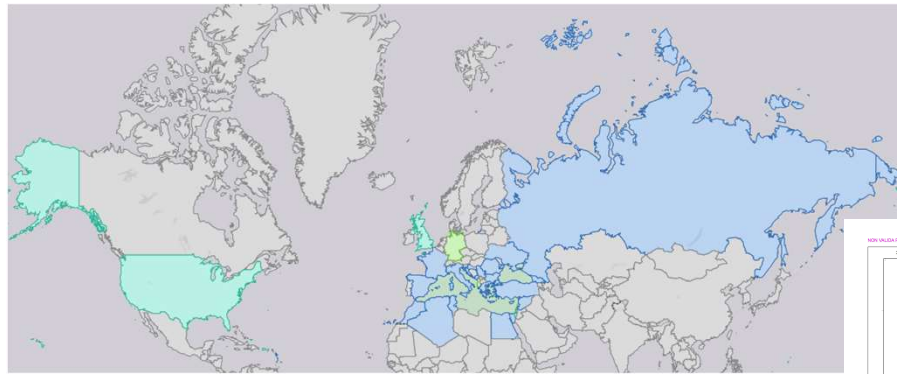
NATIONAL LEVEL



FROM LOCAL TO GLOBAL

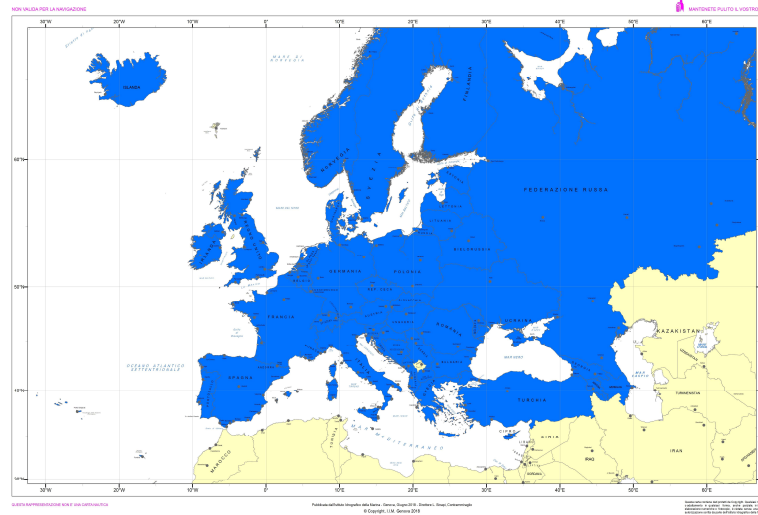


REGIONAL LEVEL

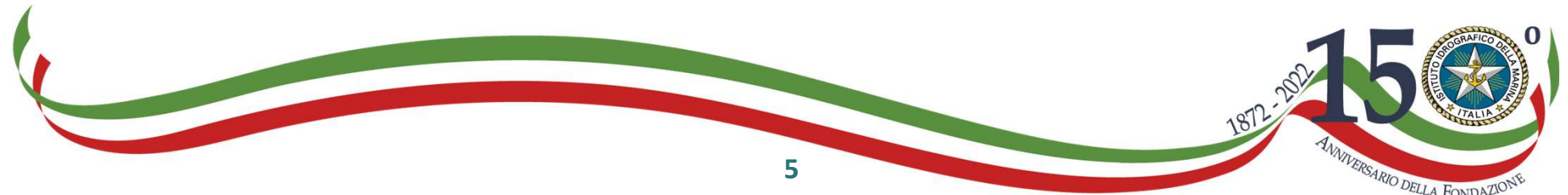


Mediterranean and Black Sea
Hydrographic Commission

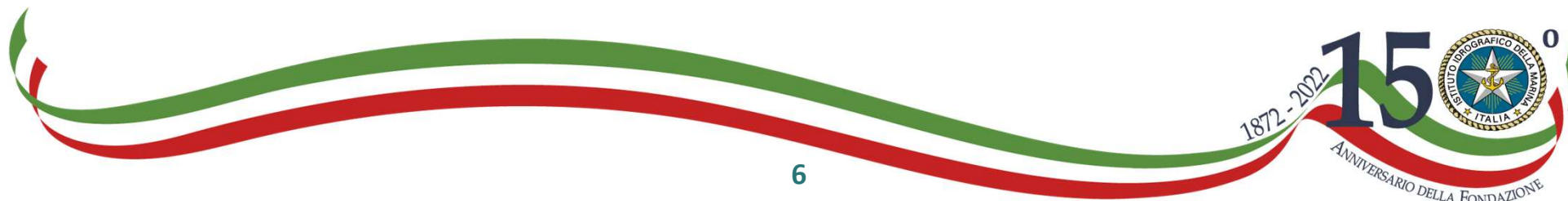
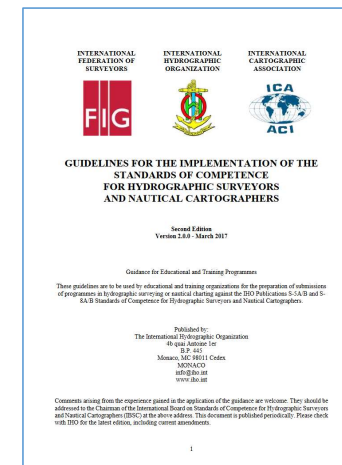
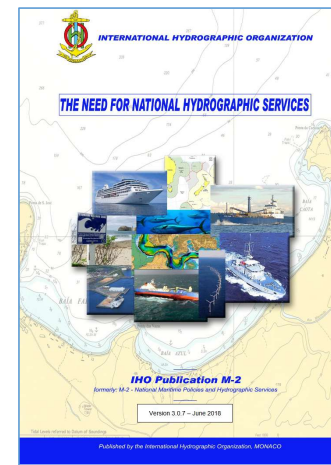
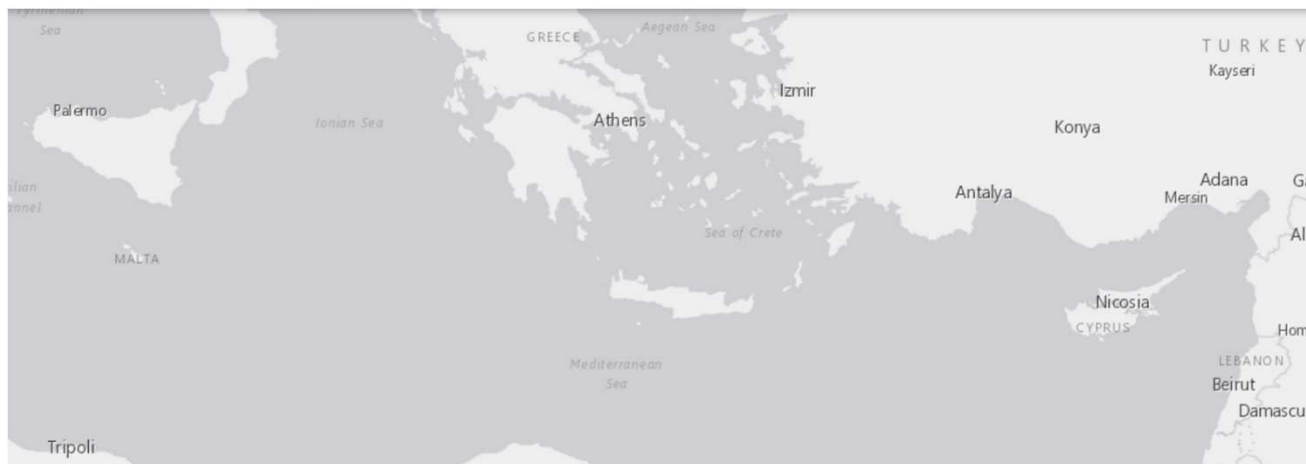
UN GGIM Europe



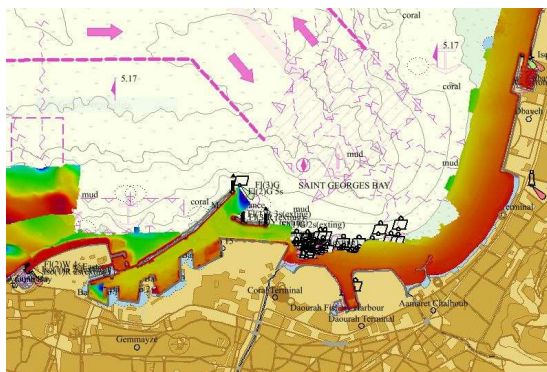
European Union



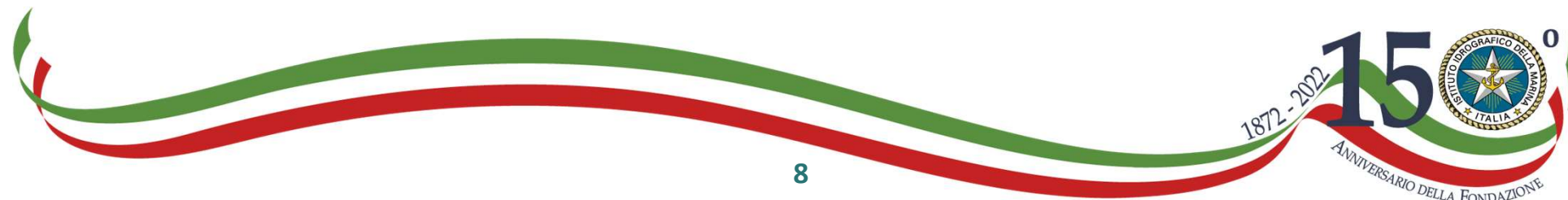
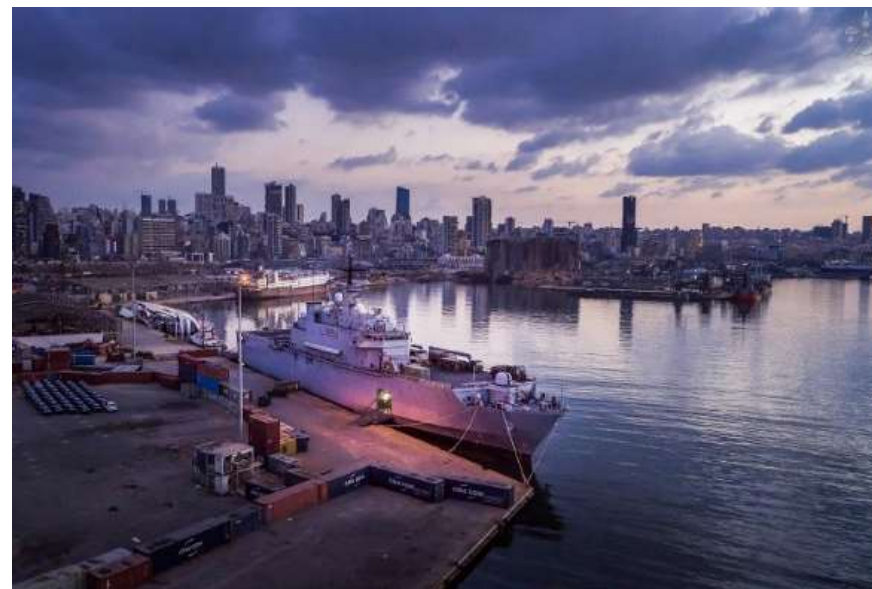
A NEW NATIONAL HYDROGRAPHIC SERVICE



A NEW NATIONAL HYDROGRAPHIC SERVICE



A NEW NATIONAL HYDROGRAPHIC SERVICE



A NEW NATIONAL HYDROGRAPHIC SERVICE

IHO File No S1/4805 & S1/3100

CIRCULAR LETTER 03/2021
18 January 2021

NEW IHO MEMBER STATE -
LEBANESE REPUBLIC

Reference: Convention on the International Hydrographic Organization

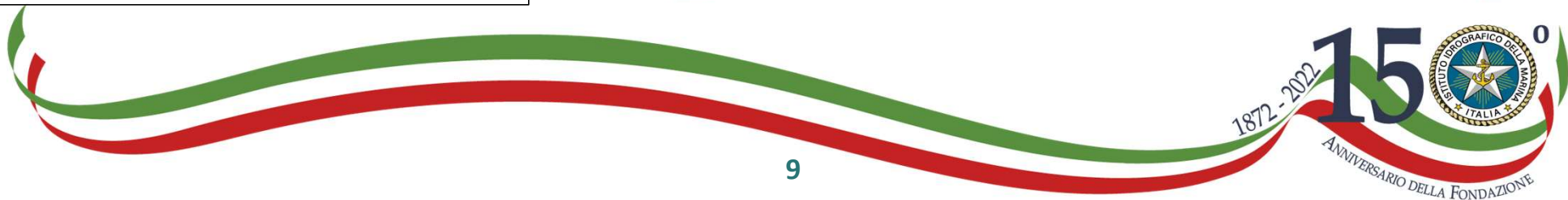
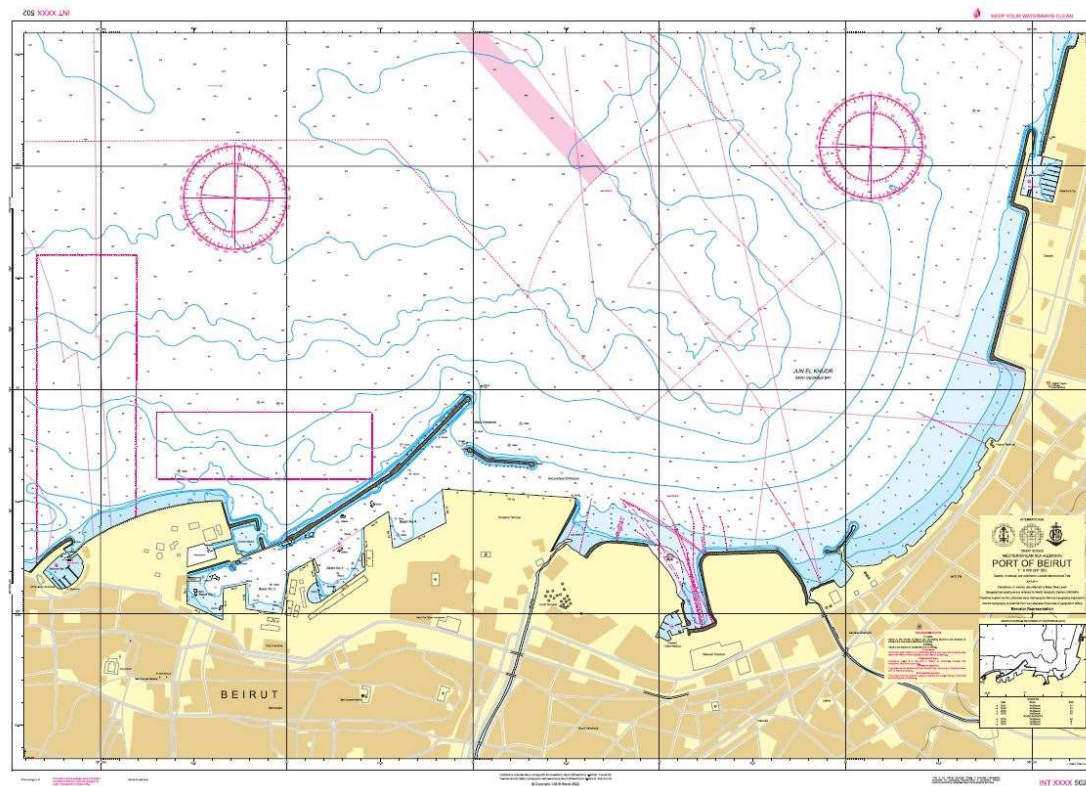
Dear Hydrographer,

1. The IHO Secretariat has been informed by the Ministry of Foreign Affairs and Cooperation of the Government of Monaco that the Government of the Lebanese Republic deposited its Instrument of Accession to the Convention on the International Hydrographic Organization on 07 December 2020. Accordingly, the IHO Secretariat is very pleased to announce that the Lebanese Republic has become the 94th Member State of the International Hydrographic Organization as of that date.
2. Separately, the Government of the Principality of Monaco, through normal diplomatic channels, is now informing the States Parties to the IHO Convention that, in conformity with Article XX, the Convention entered into force for the Lebanese Republic on 07 December 2020.
3. The IHO Secretariat is delighted to welcome the Lebanese Republic to the IHO.

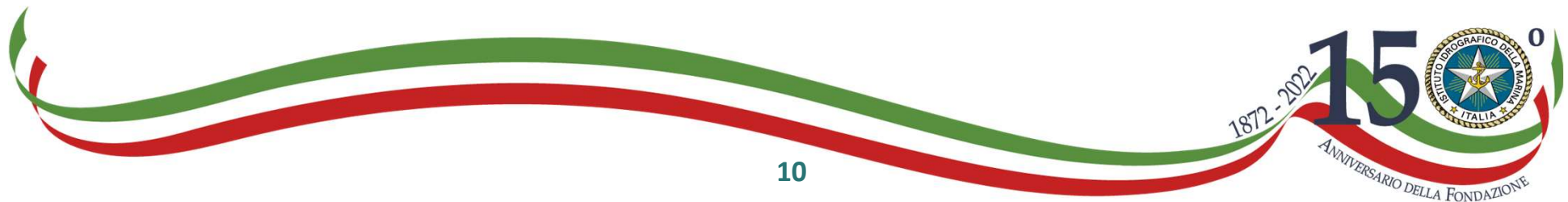
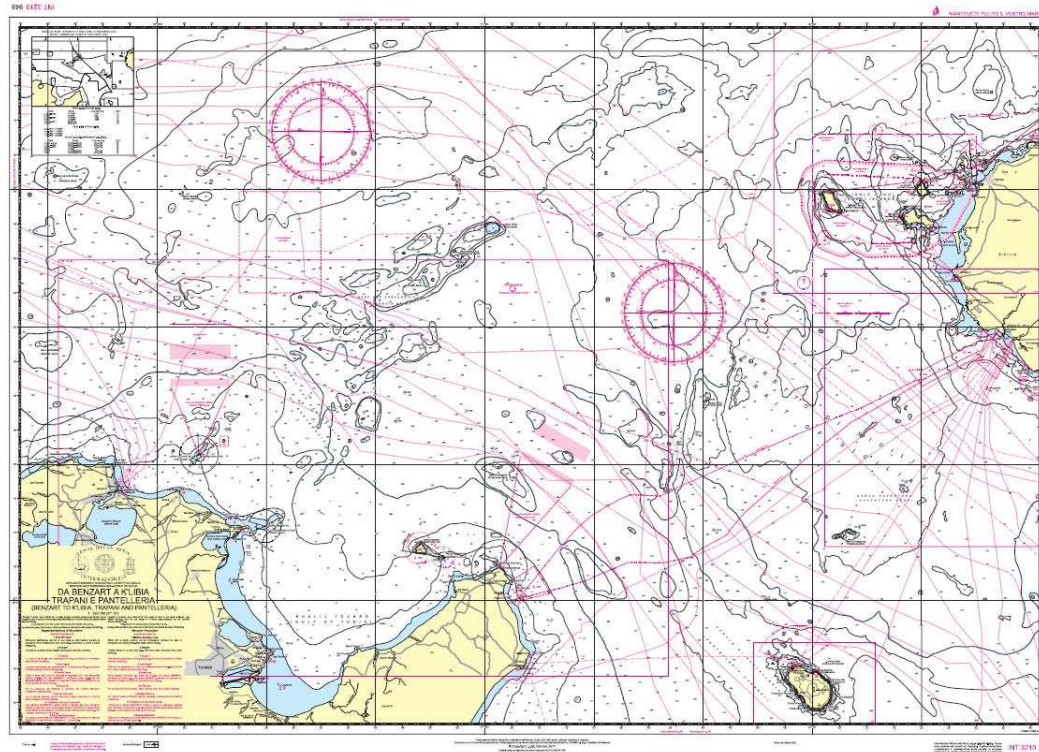
Yours sincerely,



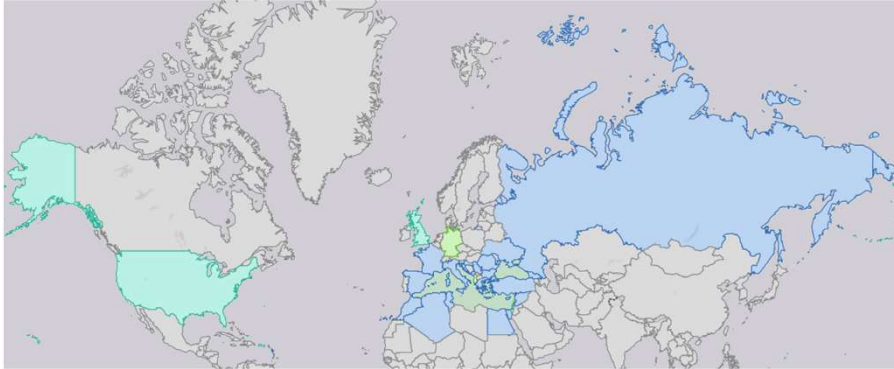
Dr Mathias JONAS
Secretary-General



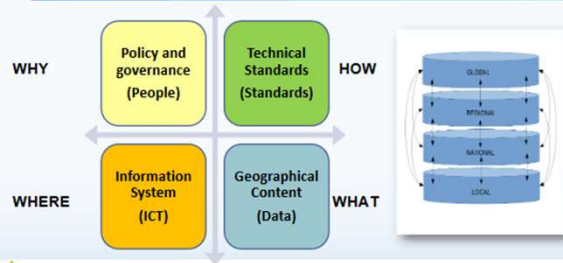
CARTOGRAPHIC CO-PRODUCTION



REGIONAL MSDI AMBASSADOR

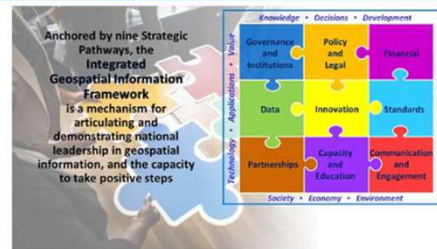


IHO MSDI basics – pillars and levels



International Hydrographic Organization
Organisation hydrographique internationale

UN geospatial information pillars



International Hydrographic Organization
Organisation hydrographique internationale

QUESTIONNAIRE ABOUT THE STATUS UPDATE OF MARINE SPATIAL DATA INFRASTRUCTURE IMPLEMENTATION

Background

During the 20th meeting of the Mediterranean and Black Sea Hydrographic Commission (MBSHC), it was decided that Italy should represent MBSHC into the [Marine Spatial Data Infrastructure Working Group \(MSDIWG\)](#) through an ambassador.

During the last MSDIWG meeting, held in Niteroi in January 2018, the Group discussed a possible way to connect the MSDI (Marine Spatial Data Infrastructure) national level to the MSDI global level through the regional level, which is represented into the IHO government structure by the Regional Hydrographic Commissions (RHG).

Version 2.0 of the IHO publication [C-17, Spatial Data Infrastructures "The Marine Dimension" – guidance for Hydrographic Offices](#), was adopted by the [IHO CL16/2018](#). The publication contains the guidelines to develop MSDI within the national hydrographic bodies.

Further documents, within the national spatial data infrastructure, can be found at a global level in the United Nations Global Geospatial Information Management (UN GGIM) website (<http://ggim.un.org/>). This year the eighth session of the Committee of Experts of UN GGIM approved the [Overarching Strategic Framework of the Integrated Geospatial Information Framework](#), which can be found, together with the other meeting documents, at the following link:

<http://ggim.un.org/meetings/ggim-committee/8th-session/documents/>

This year the UN GGIM Working Group on [Marine Geospatial Information](#) (UN GGIM MGIWG) has started to work. The next MSDIWG meeting will be held in Korea next March, immediately before the first meeting of the UN GGIM MGIWG. It will be a good opportunity to participate to both face to face meetings of the two working groups.

In order to develop the link between different geographical levels of MSDI (local, national, regional and global), a questionnaire was sent with the [MBSHC CL 4/2018](#).

MSDI concept

The National Hydrographic Offices (NHO) have traditionally produced high quality hydrographic data and published them through safety of navigation products. The two levels, data and products, have been fused together into a common historical path.

A global trend, arisen during last decades, is promoting the perspective to look at data by an independent point of view, as a numerical description of reality.

In order to be used, data cannot be just gathered and stored, but they have to be managed through an infrastructure which facilitates and simplifies their accessibility. This infrastructure is normally defined Spatial Data Infrastructure (SDI). SDI is defined in the global Spatial Infrastructure Cookbook as "the relevant base collection of technologies, policies and institutional arrangements that facilitate the availability of and access to spatial data".

SDI has its foundation into geographical data. Looking at the Earth as a unique Planet only a Global SDI can be addressed in order to study its physical state and behavior. The global level can be reached by individuals through intermediate levels, closer to a particular situation of a relatively

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MEDITERRANEAN AND BLACK SEA HYDROGRAPHIC COMMISSION

MSDI Report

MBSHC23-06.8 MSDI AMBASSADOR



International Hydrographic Organization
Organisation hydrographique internationale

MBSHC-23, Ljubljana, Slovenia • VTC, 29 March - 1 April 2022

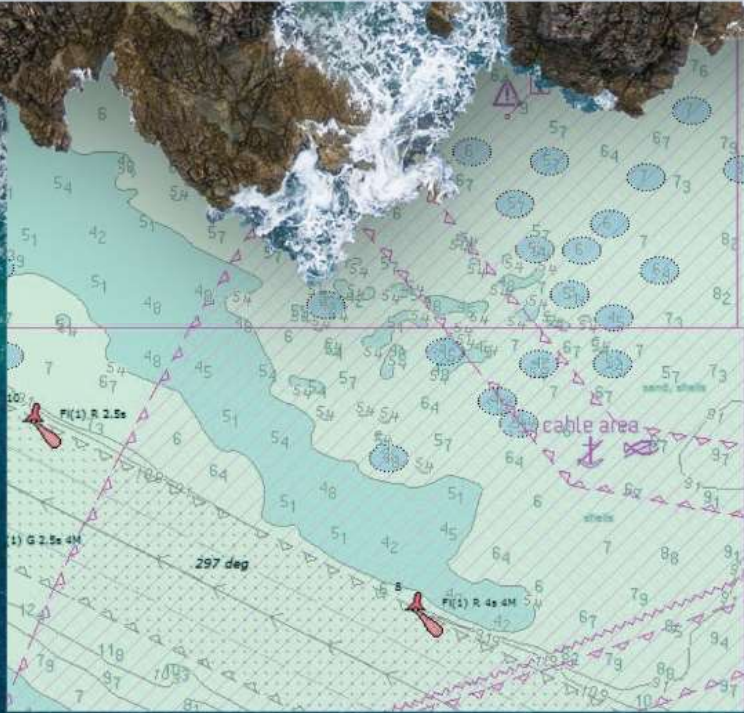
Già: Nicola Marco PIZZEDELLO





**MARINA
MILITARE**

The Italian capacity development programme in the Mediterranean region



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Italian Hydrographic Institute
nicolam.pizzeghello@marina.difesa.it



Singapore, 12th May 2022