C-17 Update

MSDIWG14

Genoa, Italy

30 January – 3 February 2023

Background

- **MSDIWG11 2020**: Consider the review and update of C-17 v.2 (2017)
  - Incorporate IHO Strategic Plan, IHO-OGC MSDI CDS, BoK, FAIR Principles, S-100
  - IGIF Structure

- **MSDIWG13 2022**: Formed core drafting team
  - Led by Singapore, Italy, U.S.
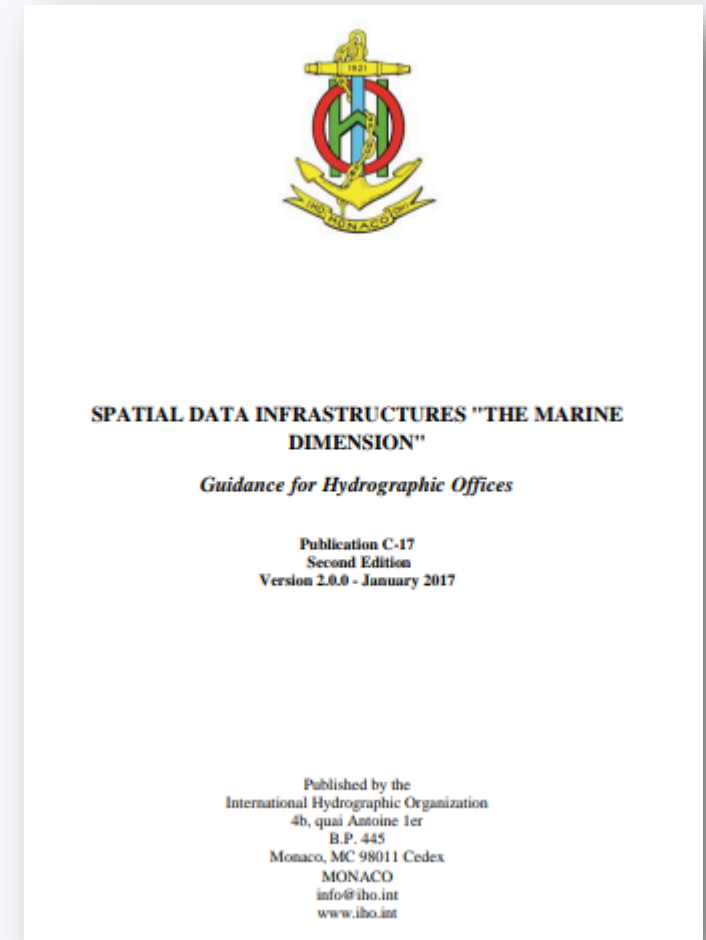 - Participation from many MS and exert contributors
  - First meeting 17 Aug 2022

Overview

- v.2 (2017) to v.3 (2023)

- "Cookbook" for HOs to set-up their MSDIs

- 4 pillars to 9 pathways (IGIF)

- Role of HOs

- Best practices and principles for MSDI

- Guidance on S-100 from MSDI perspective

- MSDI case studies

- Electronic/ living version of C-17 for update

SPATIAL DATA INFRASTRUCTURES "THE MARINE DIMENSION"

Guidance for Hydrographic Offices

Publication C-17
Second Edition
Version 2.0.0 - January 2017

Published by the
International Hydrographic Organization
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Update Timeline

- **12 Aug – 29 Aug 2022** – Objectives and Outline, identify contributors

- **30 Aug – 30 Nov 2022** – Drafting (update and new sections)

- **1 Dec – 20 Jan 2023** – Core drafting team edit and comment

- **23 Jan – 29 Jan 2023** – Circulate draft and post for review

- **30 Jan – 3 Feb**: IHO MSDIWG 14, Italy – Present first draft update; breakout session for members to review and comment on the sections

Next Steps

- MSDIWG14: Breakout group discussions and comments
- Post-MSDIWG14:
  - Consolidation of group comments and email circulation for further comment
  - MSDIWG to provide comments via Google Doc link (to be shared)
  - **Case Study Submission**
  - Infographic standardization – special thanks to Germany (BSH)
  - Final email circulation
- C-17 v.3.0 MSDIWG approval
- Capacity Building Sub-Committee approval
- IRCC approval – June 2023

Case Study Template

Marine Spatial Data Infrastructures Working Group (MSDIWG)
MSDI Case Study Template

Case Study
Click Here To Enter Case Study Title

Case Study Type: Click here to choose an item.

Summary
Click here to answer: What is the subject/topic/focus of this case study? (approx. 25 words)
Click here to answer: When and why was it produced/what is its purpose or intended use? (approx. 100 words)
Click here to answer: How is it relevant to MSDI (e.g., list details related to specific MSDI components, access best practices, focus: national/regional/international)? (approx. 200 words)
Click here to answer: Are there any limitations (e.g., restricted access, intended use, licensing)? (approx. 50 words)
Click here to answer: Who are the users or intended users? (approx. 25 words)
Click here to answer: Identify specific recommendations on how the resource could be used, or how users could benefit from the resource. (approx. 100 words)

Pictures and/or Sources: Click here to provide URLs for this case study's source and/or pictures.

Submitted by: Click here to provide name.
Click here to provide title.
Click here to provide affiliation.
Click here to provide contact information (e.g. email address).
Date Submitted: Click or tap to enter a date.

Relevant IHO C-17 v3.0 Chapter(s) of Case Study:

☐ **2.1** Traditional Role of HOs
☐ **2.2** Why is MSDI important to HOs?
☐ **2.3** Several aspects seeking MSDI
☐ **2.4** Third party data incorporation
☐ **3** MSDI Maturity
☐ **4.1** Governance
☐ **4.1.1** Governance and Institutions
☐ **4.1.2** Policy and Legal
☐ **4.1.3** Financial
☐ **4.2** Technology
☐ **4.2.1** Data
☐ **4.2.2** Innovation
☐ **4.2.3** Standards
☐ **4.3** People
☐ **4.3.1** Partnerships
☐ **4.3.2** Capacity and Education
☐ **4.3.3** Communication and Engagement
☐ **5** Taking MSDI to the Next Level

Document Outline

Chapter 1: Introduction and Background – The Current Landscape

Chapter 2: Role of the Hydrographic Office and MSDI
    2.1 Traditional Role of Hydrographic Offices
    2.2 Why is MSDI important to Hydrographic Offices
    2.3 Several aspects seeking MSDI
    2.4 Third party data incorporation methods

Chapter 3: MSDI Maturity

Chapter 4: IGIF 9 Pathways from the Hydrographic Office Perspective

4.1 Governance	**4.2 Technology**	**4.3 People**
4.1.1 Governance and Institutions	4.2.1 Data	4.3.1 Partnerships
4.1.2 Policy and Legal	4.2.2 Innovation	4.3.2 Capacity and Education
4.1.3 Financial	4.2.3 Standards	4.3.3 Communication and Engagement

Chapter 5: Emerging Trends in MSDI