

16th Meeting of the Southern African & Islands Hydrographic Commission (SAIHC)

Cape Town, South Africa, September 2019

IHO Secretariat Report

Abri Kampfer
IHO Director

Oral report of the IHO Secretariat along the IHO Work Programme

1. Corporate Affairs
2. Hydrographic Standards and Services
3. Inter Regional Cooperation and Support
4. IHO Secretariats operations

Corporate Affairs / 2nd IHO Council

- Important discussions about S-100, shape of Capacity Building, Crowd Source Bathymetry and Strategic Plan review
- Council brings new vigour to the intersessional operations of the IHO
- SAIHC is represented (1 of 30) – South Africa occupy seat allocated to SAIHC
- 3rd Council: 15-17 Oct 19. Proposals required - 15 Jul (CCL1/19)

2. Hydrographic Standards and Services

- Progress within the S-100 framework
- Data Quality Maintenance Working Group (DQMWG)
update

HSSC / S-100 Progress



HSSC / S-100 Progress

S-100 and dependant Product Specification - Key Milestones

- S-100 Edition 4 released - December 2018;
- S-101 ENC Product Specification Edition 1.0.0 released for testing – December 2018;
- S-102 High Resolution Bathymetry Edition 2.0.0 – awaiting MS approval Oct 2019
- S-111 Surface Currents Product Specification, Edition 1.0.0 released for testing - December 2018;
- S-122 Marine Protected Areas, Edition 1.0.0 released - January 2019;
- S-123 Marine Radio Services, Edition 1.0.0 released - January 2019;
- S-129 Underkeel Clearance Management System Edition 1.0.0 released for testing – May 2019
- S-211 (IALA) Port Call Message Product Specification Edition 1.0.0 – anticipated release 2019
- S-411 (WMO) Ice Information Product Specification Edition 1.0.0. – published 2017
- S-412 (WMO) Weather Overlay Product Specification Edition 1.0.0 – published 2017
- S-421 (IEC) Route Exchange Product Specification Edition 1.0.0 – anticipated 2020

Testbed Projets - 2019

- KHOA
- SPAWAR

3. Inter Regional Cooperation and Support

- ENC coverage and overlap update
- Crowd Sourced Bathymetry update
- Iridium as new Marine Safety Information provider

IRCC / ENC coverage and overlap update

Status	Definition	WENDWG7	WENDWG8	WENDWG9
Live	Overlap exists	187	231	261
Accept	Overlap exists, but is Acceptable (very insignificant)	13	23	53
Potential	Overlap identified at IC-ENC validation stage, activity is underway to try to prevent issuing an overlap.	15	68	86
Resolved	An overlap, or potential overlap, that has been successfully resolved.	31	114	199
Unassessed	Live Overlap not yet assessed	44	0	0

IC-ENC's Overlapping Data
Reporting and Analysis
(WENDWG9 WP)

IRCC / Crowd Source Bathymetry

- B-12 Ed 2.0.0 Guidance on Crowd source bathymetry was approved by MSs (IHO CL28/19 refers).
- IHO CL11 came with a separate template to seek for national acceptance of CSB in national waters of jurisdiction.
- Target date for reply of national position on CSB in waters of national jurisdiction is open ended. Positive response table is published and maintained on the IHO website page for CSBWG.

IRCC / Iridium as new MSI provider (2)

- All NAV and MET Area Coordinators and RCCs will be required to provide MSI and SAR services via all recognized mobile satellite service providers, i.e. Inmarsat and Iridium.
- To meet their SOLAS requirements, ships will be required to carry either a type approved Inmarsat or Iridium receiver, they can of course carry one of each to meet the spare backup requirement.
- All information providers will be required to transmit their messages via both Inmarsat and Iridium, and in the future via all other IMO appropriate recognized mobile satellite service providers, global or regional coverage, such as BeiDou and the UAE based Thuraya satellite system, which has applied for recognition for the Gulf region.
- Note at present, unlike GNSS, there are no multi-system capable ship receivers available.

SAIHC Action: Take note of the anticipated rearrangements and prepare information for affected shipping industry.

4. IHO Secretariats operations

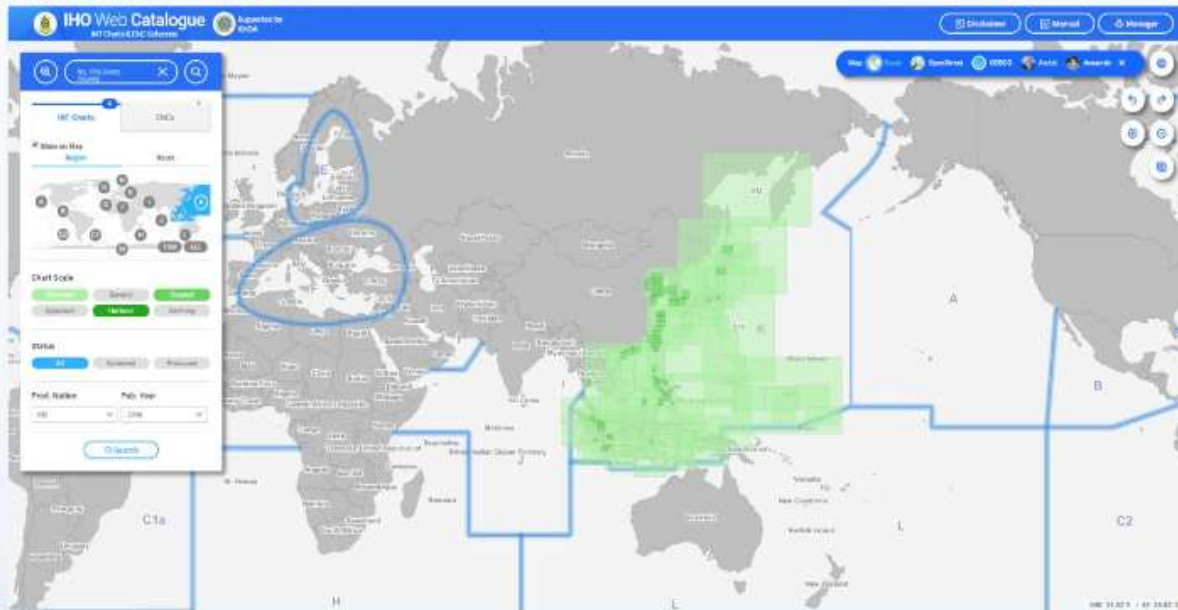
- Renewal of INToGIS Service interface
- Online voting for CLs

- Ongoing activities on a technical overhaul of IHO Secretariat's communication channels
 - Social media
 - Corporate Design
 - Website

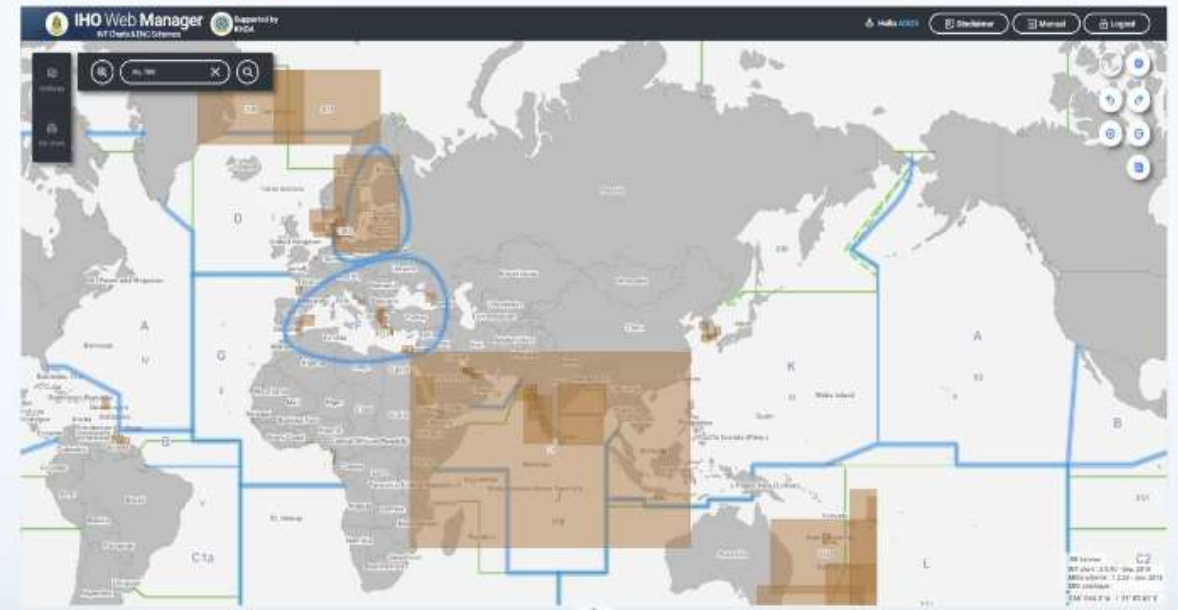
- Preparations for IHO Centenary celebrations

Secretariats operations / INTToGIS II

Web Catalogue



Web Manager



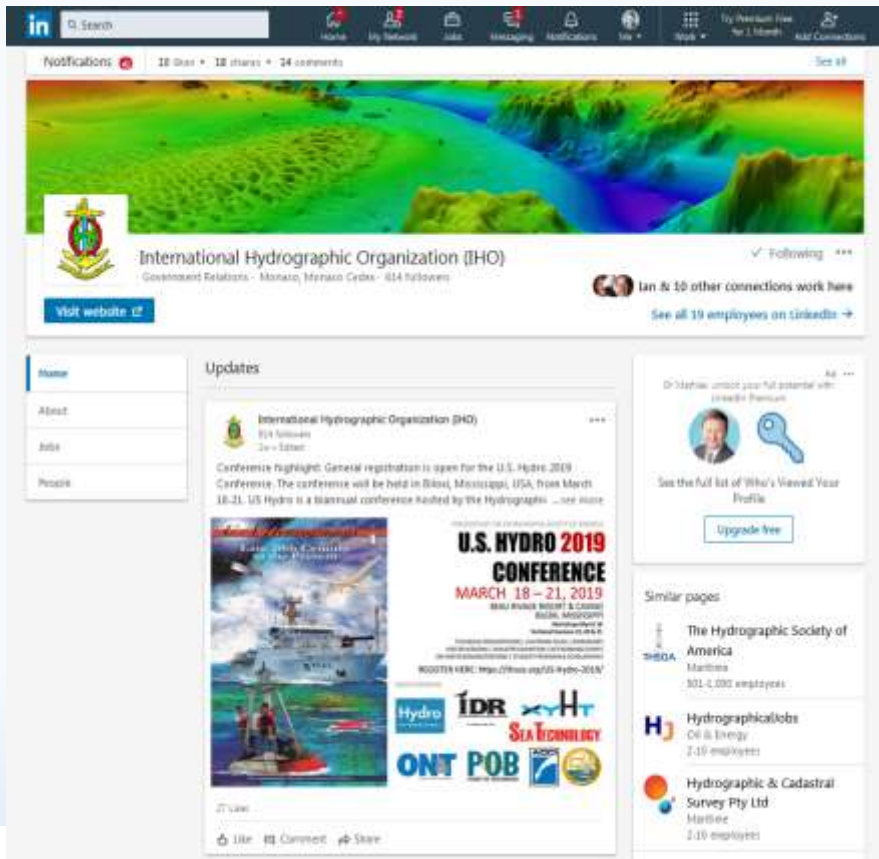
Secretariats operations / online voting (CL20/19)

(for CL response, C-55 and P-5)

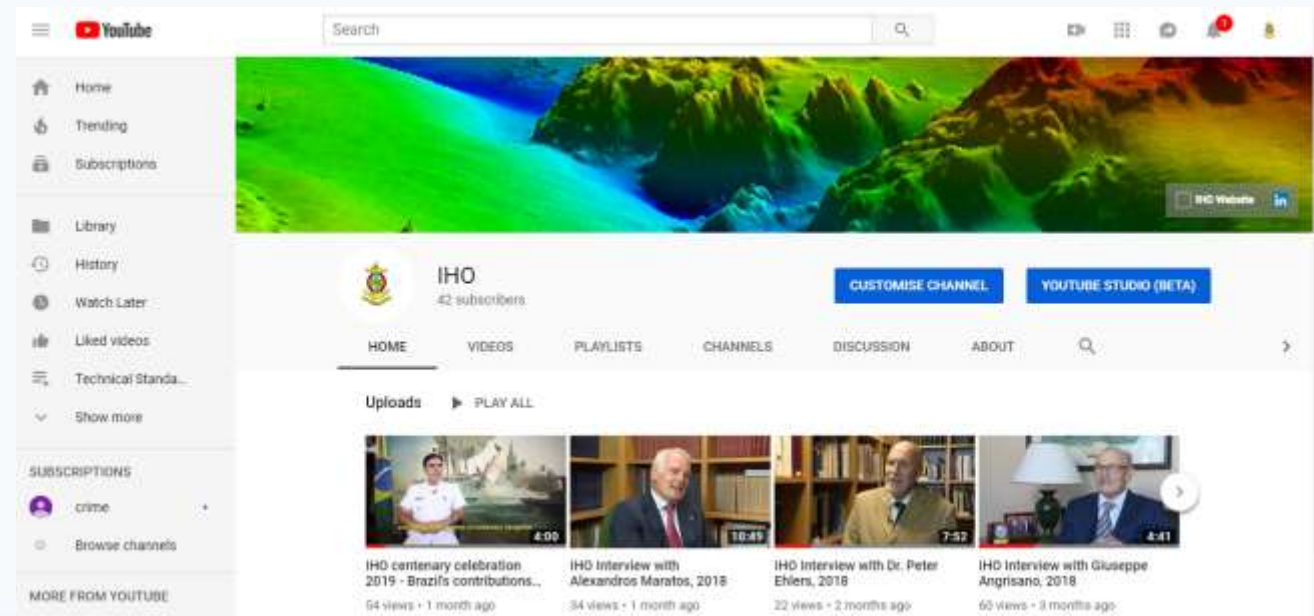
- Member States are now able to submit their information directly from IHO Online form system.
- It is used for CL voting and IHO publications C-55 and P-5 (Yearbook) updating.
- The traditional submission (postal letter, fax, email) is also available.

Secretariats operations / social media

- Thanks to US remote secondment, the Secretariat is now active under LinkedIn and youtube.



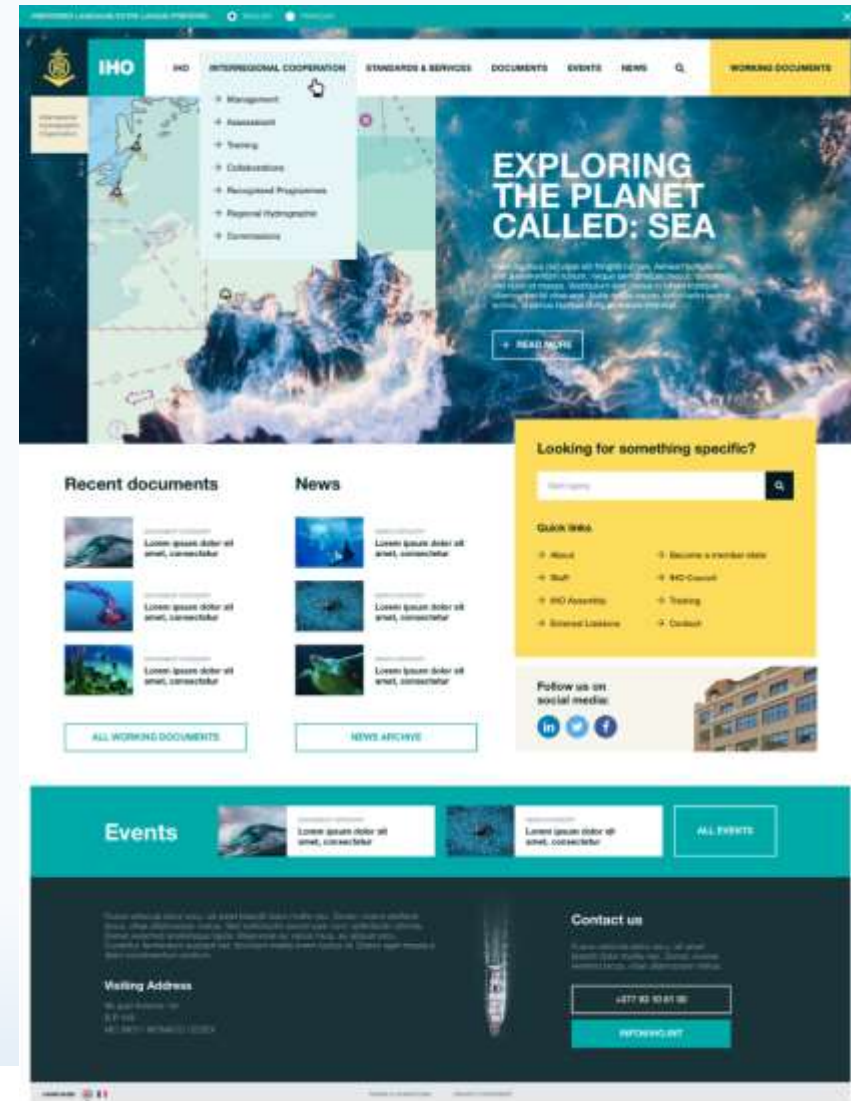
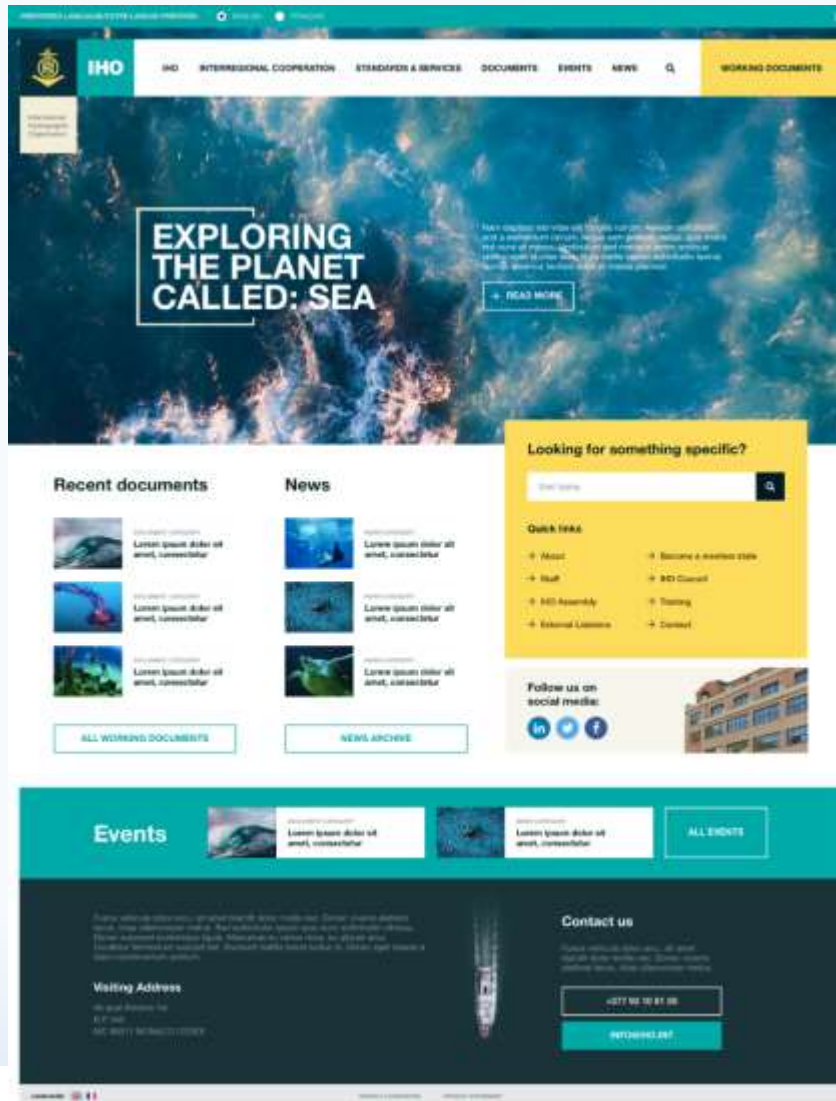
International Hydrographic Organization
Organisation Hydrographique Internationale



Southern African and Islands Hydrographic Commission



Secretariats operations / IHO website: new creative design homepage



Secretariats operations / New emblem

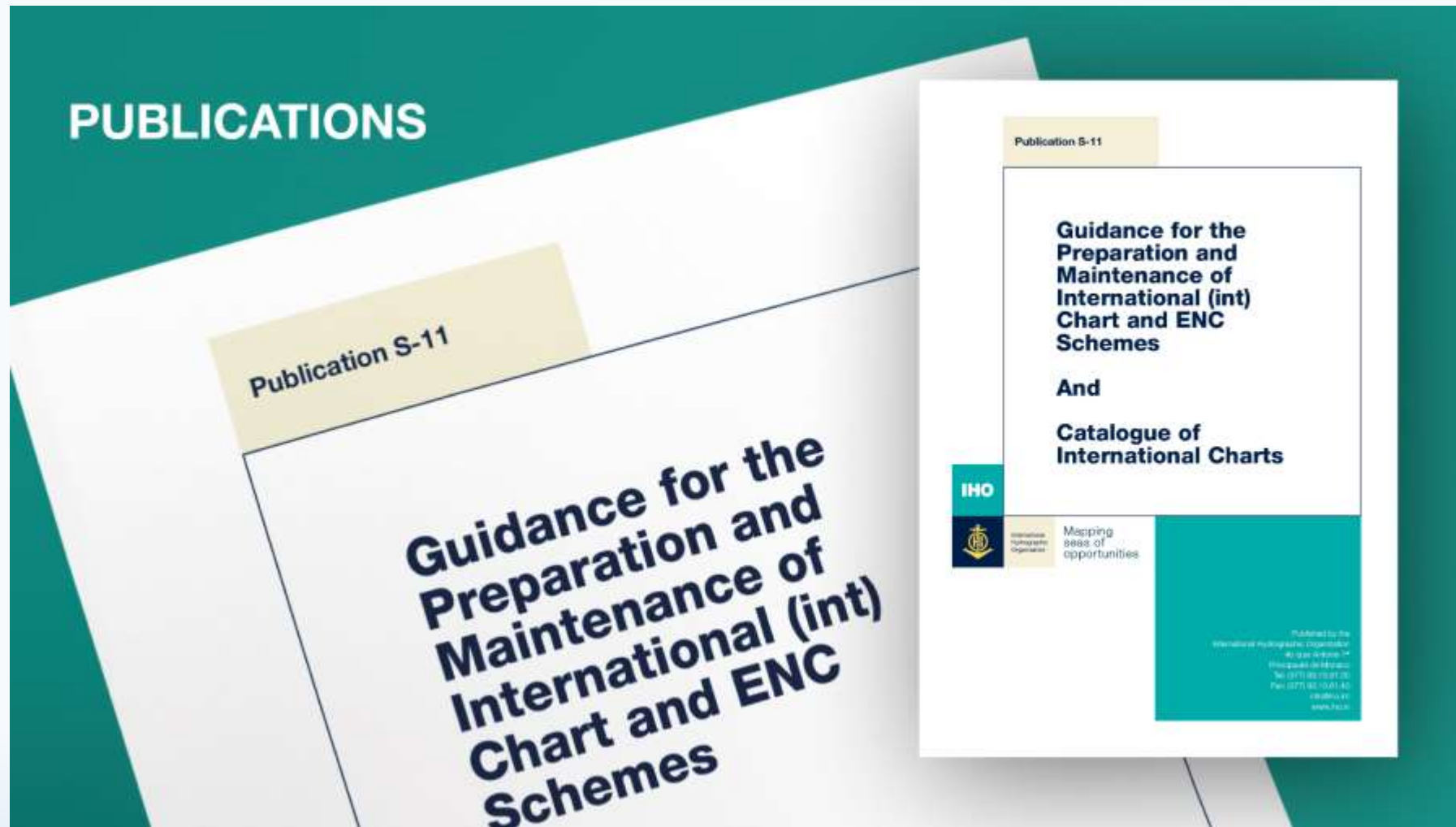


International Hydrographic Organization
Organisation Hydrographique Internationale

Southern African and Islands Hydrographic Commission



New corporate design: Publications



Secretariats operations / New corporate design: Letters etc.



Secretariats operations / New corporate design: INT Charts



Secretariats operations / IHO 100 years (1)

IHO Prestige book project: “100 years of international cooperation in hydrography”

Illustrate in an educational and entertaining manner the importance and variety of the activities, outputs and developments of the IHO and its effective role in supporting maritime activities: History, Present and Future!

Group of Co-Authors led by Editor in Chief: Gilles Bessero

- Chris Andreasen
- Mike Barritt
- Hans-Werner Schenke / Shin Tani
- Peter Ehlers
- Hugo Gorziglia
- Horst Hecht / Giuseppe Angrisano
- Mathias Jonas
- Alexandros Maratos
- Parry Oei
- Robert Ward
- Shepard Smith



Secretariats operations / IHO 100 years (2)

Monaco, April 2019:

- *Historic Nautical Charting and the Mediterranean* – Exhibition at Monaco Yacht Club

Monaco, 21 June 2019:

- Symposium “*Historical Approach for Measurements and Protection of Oceans and World Waters*” ” to be held at the Oceanographic Museum of Monaco

Monaco, April 2020:

- Second IHO Assembly:
 - Special session about the history of the Organization
 - New approach for the chart exhibition – science on a sphere

Secretariats operations / IHO 100 years (3)

Monaco, 21 June 2021:

- Peak event back to back with IRCC annual meeting:
 - “100 years of international cooperation in hydrography”
- Consider a submission to the UN General Assembly session of 2021:
 - Commitment of IHO to Sustainable Development Goals through improved provision of hydrographic knowledge (?)

Hydrographic information driving marine knowledge

SAIHC is requested to take note of this report and take action as deemed appropriate.