

# One Ocean Summit – 2022 Brest

## S-100: a new standard for navigation safety and ocean protection

**Chair:** Gunnar Tietze, GeoTopic Hydrographie / SeaTopic SAS

**Synthesis:** Contribution of the hydrographic community to ocean protection goals and ways forward:

The workshop addressed the new S-100 standard defined by the IHO to respond to modern digital navigation requirements and beyond to ocean protection goals and gave evidence that these goals are achievable by good cooperation of all stakeholders.

The keynote speeches of IHO (Mathias Jonas, General Secretary) and MCP (Thomas Christensen) introduced the fundamental changes between the current S-57 standard for digital navigational charts and the S-100 data model for e-maritime activities.

Benefits and ways forward were further illustrated by the presentations of Shom and the ports of Brest and Hamburg, all engaged in the development of applications based on the S-100 standard family. All three are based on cooperation between the stakeholders and hydrographic offices and all three underline the facilitating role that ports can play as convergence points of traffic. At last all three wish strengthening international cooperation between pilot projects to avoid duplication of efforts.

We gathered to set out concrete actions to boost of S-100 implementation. The workshop gave evidence that these goals are achievable by good cooperation of all stakeholders.

The task has many facets, requires a global collaborative approach involving the public and the private sectors, big industries and smart SME's as well, avoiding isolated solutions which could jeopardize the enormous standardization work done by Hydrographic Offices over the world.

- One key challenge is to excite political decision makers to finance this innovation process, not yet enough known and understood as a platform for the blue economy
- One recommendation: to contact insurance companies for support
- One way forward: building an "S-100 ecosystem", at local/national/international levels, establishing cooperation/links between pilot actions

**Closure:** Mathias Jonas, IHO, Laurent Kerleguer, Shom and Meriadec Le Mouillour, CCI

- This workshop merits big applause, we need such events to promote S-100 to the policy makers and the maritime community as well
- Despite its quite technical name, the workshop gathered roundabout 75 attendees, a good signal that S-100 is under way
- The port of Brest is pleased to have co-organised the workshop but also to be the host for further pilot developments, with Shom/IHO, and other ports/parties. Port S-100 is an open cooperative frame
- The workshop gathered to make innovation concrete:  
To breathe life into the new S-100 standard to the benefit of safety of navigation, avoiding accidents and beyond to ocean protection goals.
- So, let go of the ropes / Largons les amarres / Leinen los !