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PA Safe Operational advisory board meeting: “Providing reliable navigational conditions to the Baltic Sea”

Meeting notes

Venue: On-line (ZOOM)
Time: 24.9.2024 12:30 CEST
Participants: 22 participants from Denmark, Estonia, Finland, Germany, Lithuania and Sweden.
From: Aalto University, Danish Maritime Authority, Federal Waterways and Shipping Agency (GDWS) in Germany, Finish Transport and communications agency, Interreg Baltic Sea Region, Lithuanian Maritime Academy, Lithuanian Transport Safety Administration Maritime Department, Ministry of Climate in Estonia, Turku University of Applied Sciences and Swedish Maritime Administration.

Participants were welcomed by PAC Ulf Siwe. Tour de Table.

Inspirational speakers on trends within “Providing reliable navigational conditions to the Baltic Sea.” gave their presentations

- Smart fairways of the future, Fredrik Karlsson, Innovation coordinator and Head of Simulations at the Swedish Maritime Administration

Mr. Karlsson gave a presentation on the future of smart fairways and the related work within the International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA). He also mentioned ongoing projects in Sweden (with results that will come in the coming years)

-Future fairways (connected dynamic, maintenance free?)
-EPA Enhanced Perception Ashore, automotive radar
-Remote pilotages project

- New services and possibilities with new standards, Benjamin Hell, S-100 coordinator at the Swedish Maritime Administration
Comments and short discussion accompanied the presentation.

Mr. Hell presented the latest development of the S-100 world and the IMO maritime services as well as the related work and how it is divided between the organizations IMO, IHO and IALA. He also presented the implementation time frame. The future S-100 is a paradigm shift and a new approach with real time data and services being geo-data centered, modular, machine readable with a more flexible and robust delivery to end user.

Round table discussion:

After the inspirational speakers, a round table discussion followed in which the national experts presented their current challenges and ongoing work in their respective countries and organizations.

Themes brought up during the round table were:

- Risk assessment tools (OpenRisk II), risk management.
- Environmental conditions effect to navigation.
- Cyber security.
- Information benefits to shipping and winter navigation. Current testing to use drones for ice coverage mapping.
- Ice information and winter navigation, use cases easy to formulate, information integration to IBNET.
- Big data gives plenty of opportunities, but also challenges. Safety issues and safety models.
- How to make prudent decisions in the ship's bridge.
- Information and system valid for long into the future, applications to come.
- Funding is needed, a barrier/bottleneck. Project platforms bring information and applications together and make things happen. However, a common goal is needed to bring the results together.

PACs encouraged the participants to send their ideas to PACs and to reach out if you wish to be connected to relevant actors in the other Baltic Sea region countries for cross-country collaboration.