

# Nordic Hydrographic technical WG

Stavanger 1st and 2nd November 2017

## Participants

Sweden:	Anders Åkerberg Mats Ericsson
Denmark:	Belén Jiménez Barón Morten Sølvsten
Iceland:	Gudmundur Birkir Agnarsson
Finland:	Susanna Jansson Mikko Loimalahti
Norway:	Arne Ofstad John Helge Herland

This year we were pleased that we also had participation from Iceland.

## Presentations

As usual, there were good presentations that got quite some interest from the other participants.

- Saimaa Canal surveys – Mikko
- Information from FAMOS Odin surveys 2017 – Anders
- Experiences of passed survey projects – Susanna
- Surveying the Arctic – Arne
- Experiences of LiDAR-projects – Susanna
- Information about the S44 new edition work – Anders
- Error budget. A priori error estimations as a decision making tool for hydrographic surveying – Belén
- HAT/SAT of new survey vessel LAKO and future purposes of LAKO – Morten
- Demo of a cleaning tool used at SMA – Mats
- Automatic Cleaning – John Helge
- Example from an analyze of water level data and GNSS heights – Anders
- GNSS Tide – John Helge
- New bathymetric data management system (MERTA) – Susanna
- Sound Speed Interpolation – John Helge
- SMA vessels and survey systems – Anders
- Planned and maybe results from test of the SeaBat7125 on shallow water (depth < 10m) with the focus on target detection – Morten
- Experiences of the Reson T50-system – Mats

In addition, Anders gave an update on the status of the Cat B-education in Gothenburg. Morten presented a discussion of interpretation of range versus depth (which he is having with a manufacturer) and showed drawings of new survey launches. In addition, he presented some tests of the new Reson T50 also in conjunction with target detection.

The presentations and the following discussions showed that the different organizations experience similar challenges and have mutual interests. These meetings therefore have great value for us.

The workshops have been held every two every second year in the past, the group sees it valuable to continue to arrange a meeting once a year, preferably off survey season (Nov-Feb).

#### Planned common activities

Before we finished the workshop, we decided on some topics that we should involve in before the next meeting:

- Target detection – test if the echo sounders really meet the specifications from the manufacturers.
- Error budget – this is a topic we have focus on in the different organizations that we need to understand to determine the accuracy of our surveys.
- Metadata – there are now a metadata profile in S-100 and we have metadata requirements from EMODnet and INSPIRE. The different Nordic HO should use some time to get their metadata to meet these requirements.
- S-44 – IHO is working on a new edition of S-44 and we agreed on that it was as least necessary to follow the progress of this work.