



## INTERNATIONAL ICE CHARTING WORKING GROUP (IICWG)

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Task Team 4

### UNCERTAINTY

Most Recent Update: 25 September 2020

**Task Team Leader:** Sean Helfrich - [Sean.Helfrich@noaa.gov](mailto:Sean.Helfrich@noaa.gov)

**Team Members:**

- Penelope Wagner - [penelopew@met.no](mailto:penelopew@met.no)
- Nick Hughes - [nick.hughes@met.no](mailto:nick.hughes@met.no)
- Angela Chang - [angela.cheng@canada.ca](mailto:angela.cheng@canada.ca)
- Evan Neuwirth - [evan.neuwirth@noaa.gov](mailto:evan.neuwirth@noaa.gov)
- Sofia Montalvo - [sofia.montalvo@noaa.gov](mailto:sofia.montalvo@noaa.gov)
- Florence Fetterer - [fetterer@nsidc.org](mailto:fetterer@nsidc.org)
- Anni Montonen - [Anni.Montonen@fmi.fi](mailto:Anni.Montonen@fmi.fi)
- Marcus Huntemann - [Marcus.Huntemann@uni-bremen.de](mailto:Marcus.Huntemann@uni-bremen.de)
- Bryan Brasher - [bryan.brasher@noaa.gov](mailto:bryan.brasher@noaa.gov)
- Alison Agather - [alison.agather@noaa.gov](mailto:alison.agather@noaa.gov)

**Summary of Original Task:**

- Develop mechanisms to quantify the uncertainty in ice charts and convey that information to users
- Provide a path for utility of ice charts into ice model assimilation
- Communicate confidence metrics for navigators regarding unknowns about ice charting data.

**Status:**

- Develop mechanisms to quantify the uncertainty in ice charts and convey that information to users – COMPLETE
  - Mechanism is documented in the PowerPoint presentation by Sean Helfrich “A Proposed Method for Ice Chart Uncertainty Estimations”
  - In the process, the team developed a standard for transformation of ice charts to NetCDF format to quantify the uncertainty assessment
- Provide a path for utility of ice charts into ice model assimilation – COMPLETE
  - As documented in the a/n presentation
- Communicate confidence metrics for navigators regarding unknowns about ice charting data. – NOT COMPLETE

**Next Steps (if any):**

A new task (Task Team 12 – Uncertainty-2) is proposed to follow up this work

**Estimated Percent Complete:** 80%