

CrowdSea Mapping

MobiSpaces Use-case #5 Niels Bo Nielsen- Danish Geodata Agency

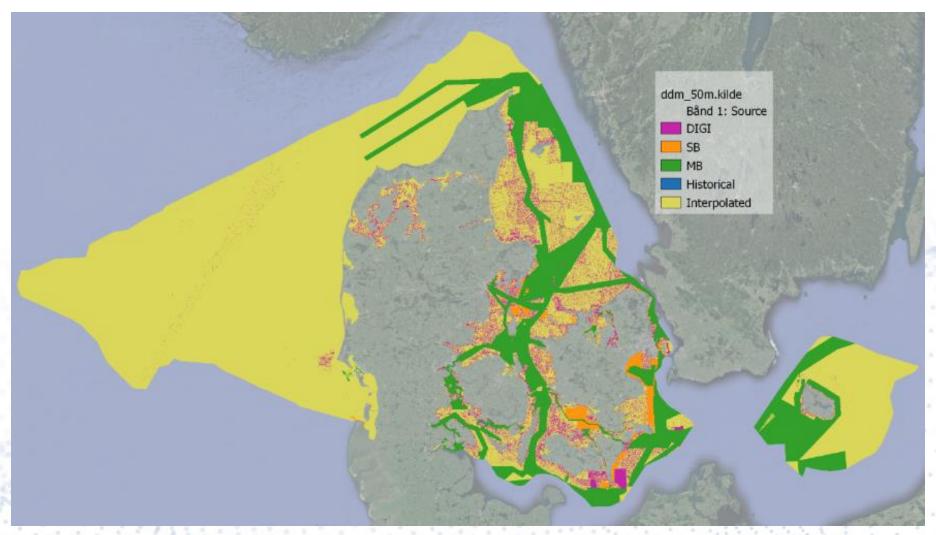




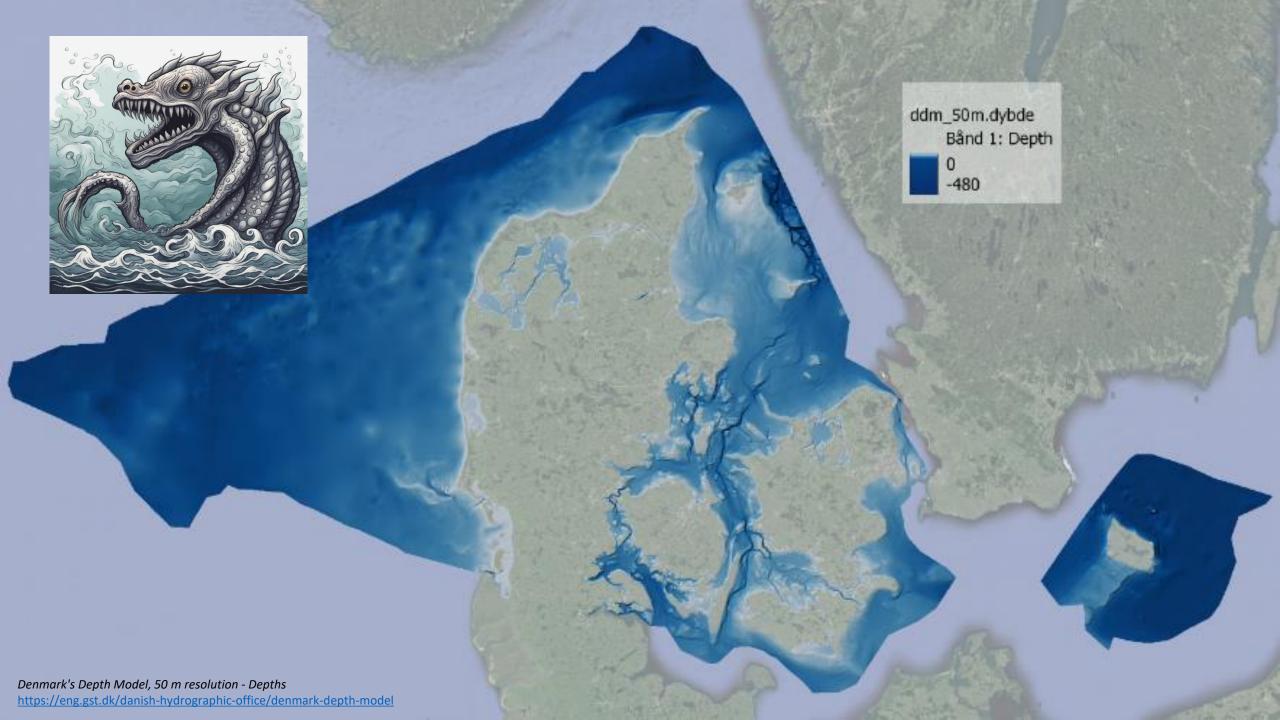




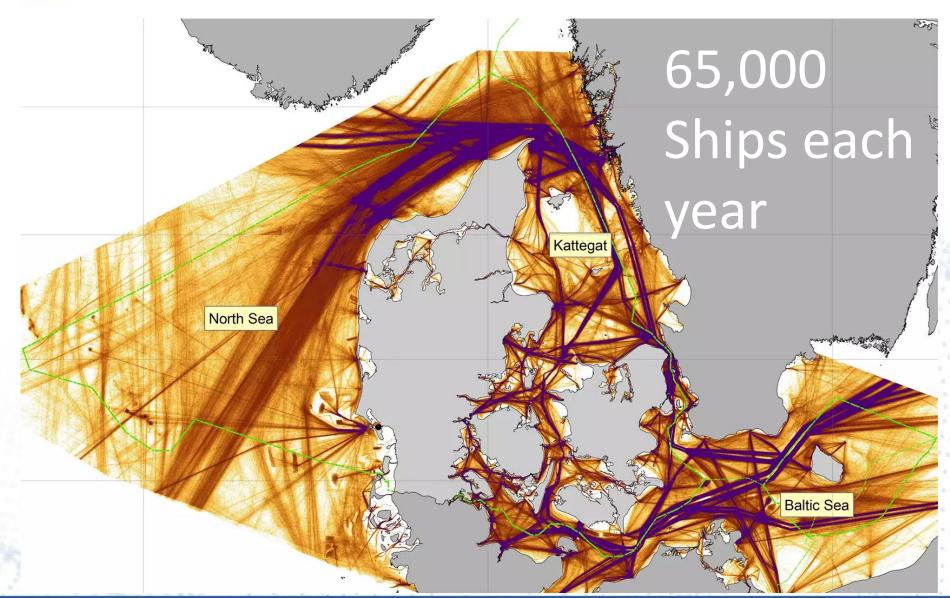
Danish Depth model



Denmark's Depth Model, 50 m resolution – Data source https://eng.gst.dk/danish-hydrographic-office/denmark-depth-model







Source: Danish Maritime Authority



GWhat if:

- Echo sounder data could be recorded.
- it could be evaluated using edge computing and A.I.
- Transmittet via 4G or Satellite.



Progess 1 year into the project

Hardware testet

Sample 4 Able to read data on ship network

Separation Send data via. 4G









SROCKS: Gray connected to bottom

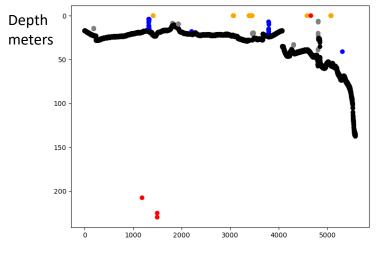
Fish: Blue scattered pattern above sea floor

Glitch: Red could be very deep or zero value

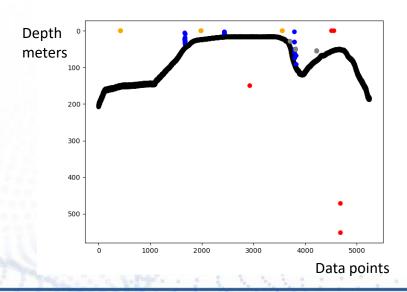
Subbles: Orange near surface (airgap between echosunder and water).

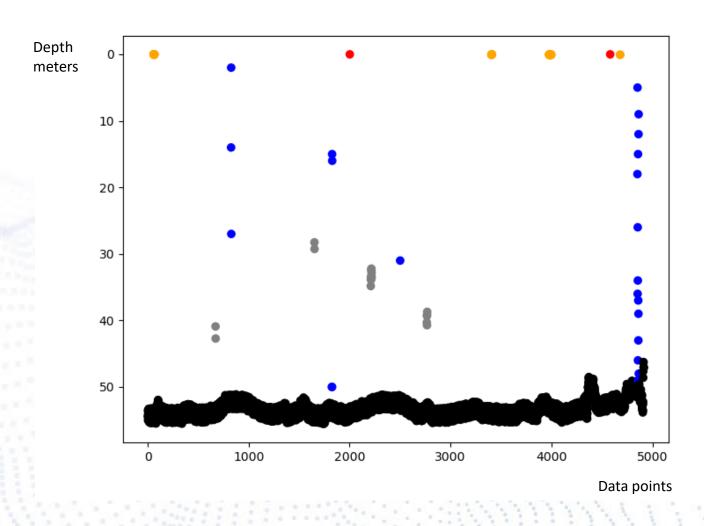


Examples of training data











- Sea trial in spring of 2024
- Goal: Have hardware and A.I model working together.







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