Community-based monitoring of the ocean temperature in Uummannaq, Greenland

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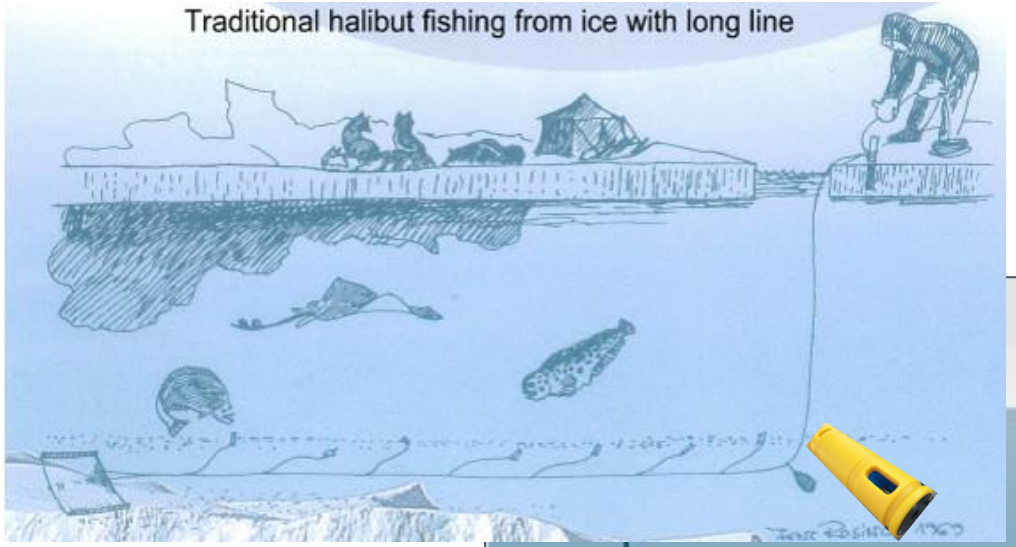
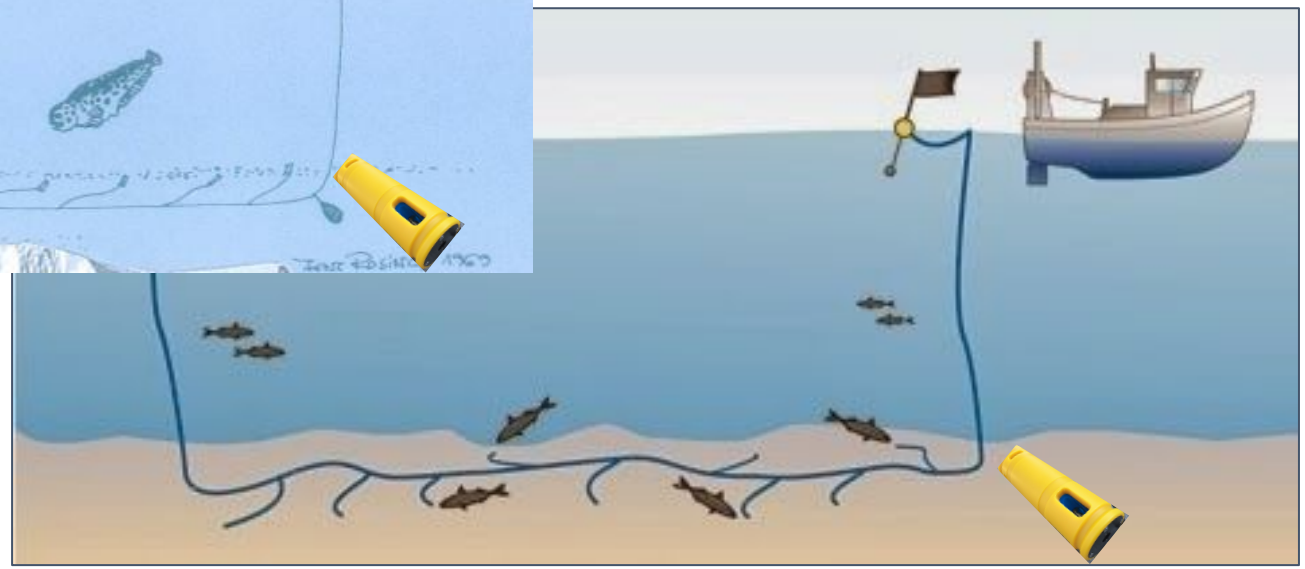
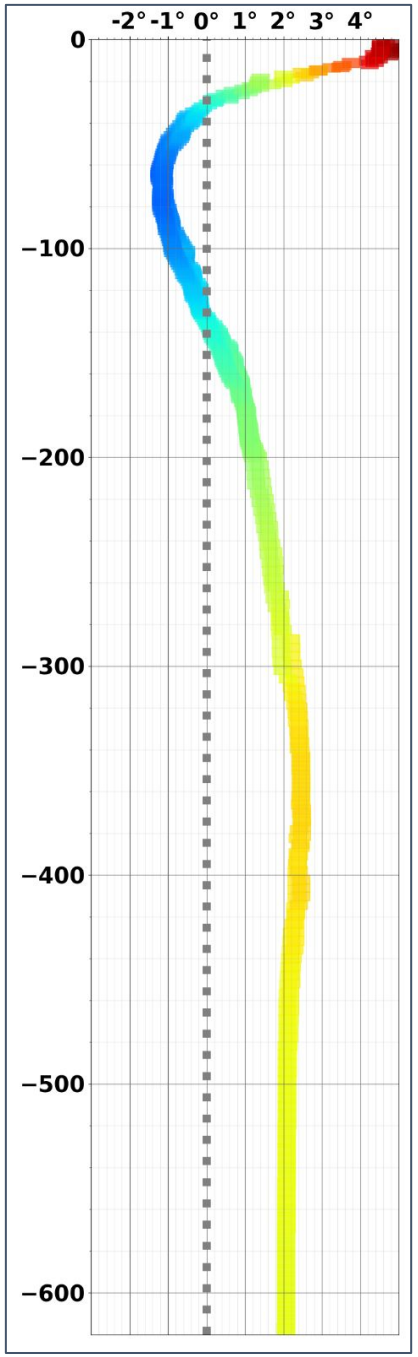
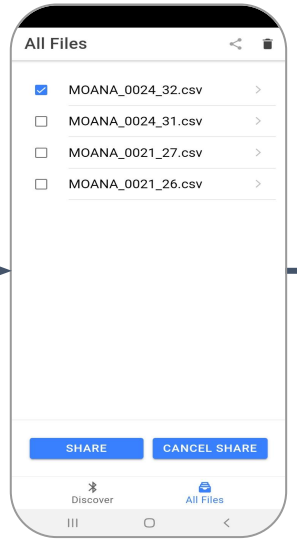
2 main objectives

- **Smooth integration of temperature sensors in long lines**
- **Clear and simple feedback on the measurements**



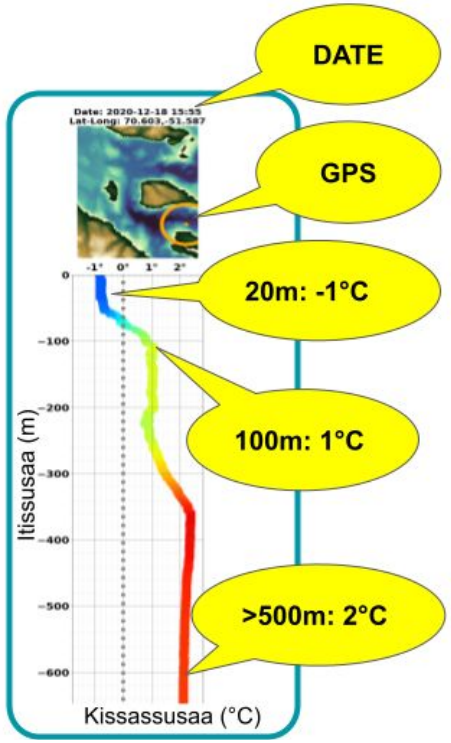






Fisher sends data
(e.g. over email)

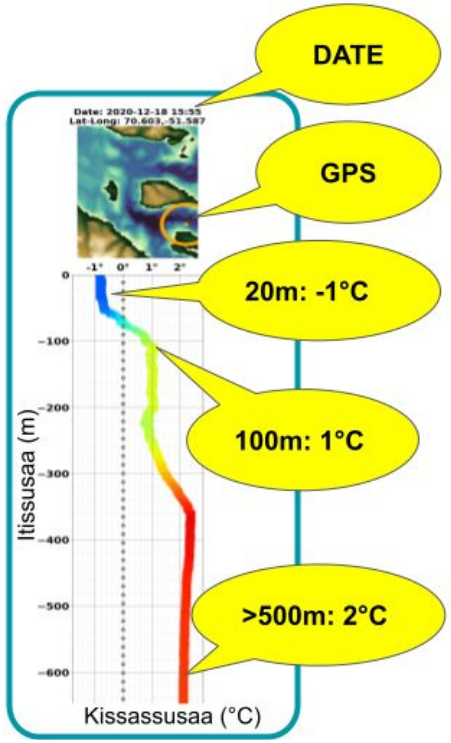
Server processing the data: basic cleaning and drawing a visual dashboard



Visuals sent back to fisher

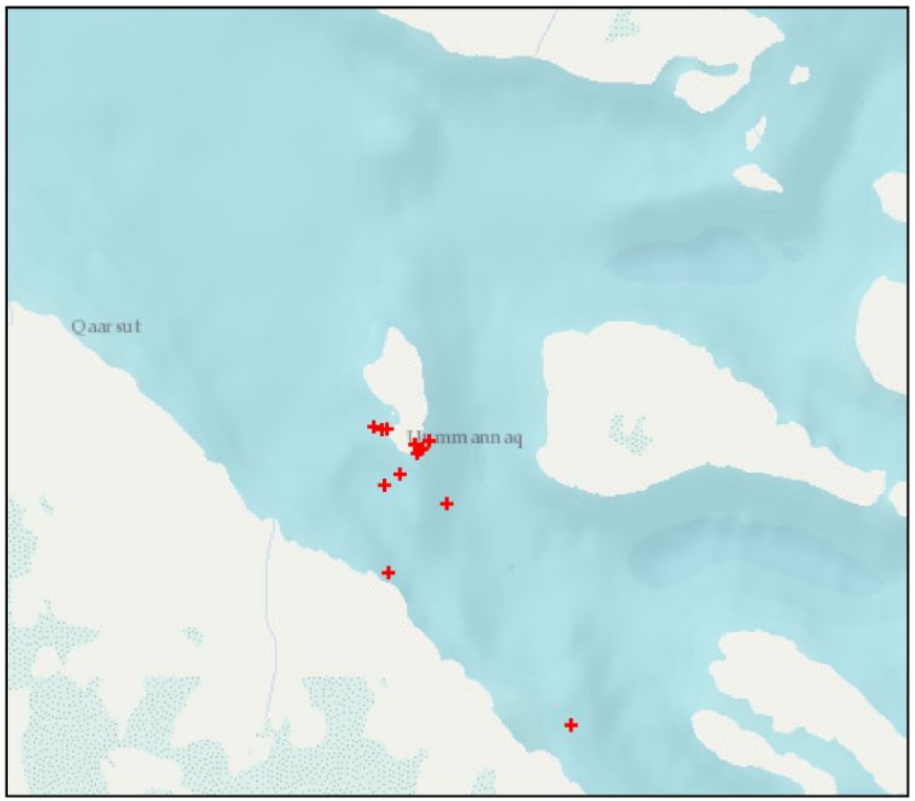
Deck unit sends data to a remote server

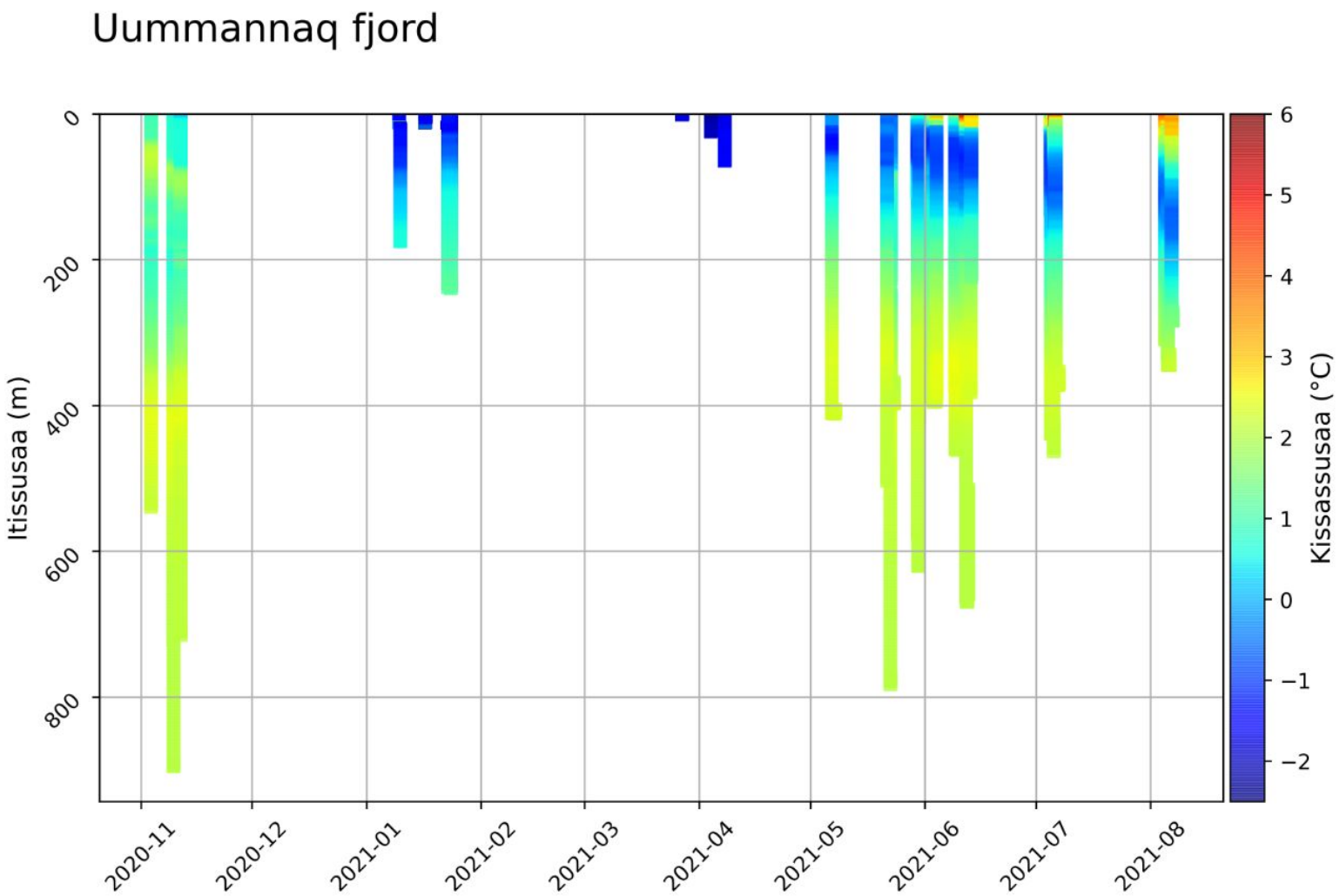
Server processing the data: basic cleaning and drawing a visual dashboard



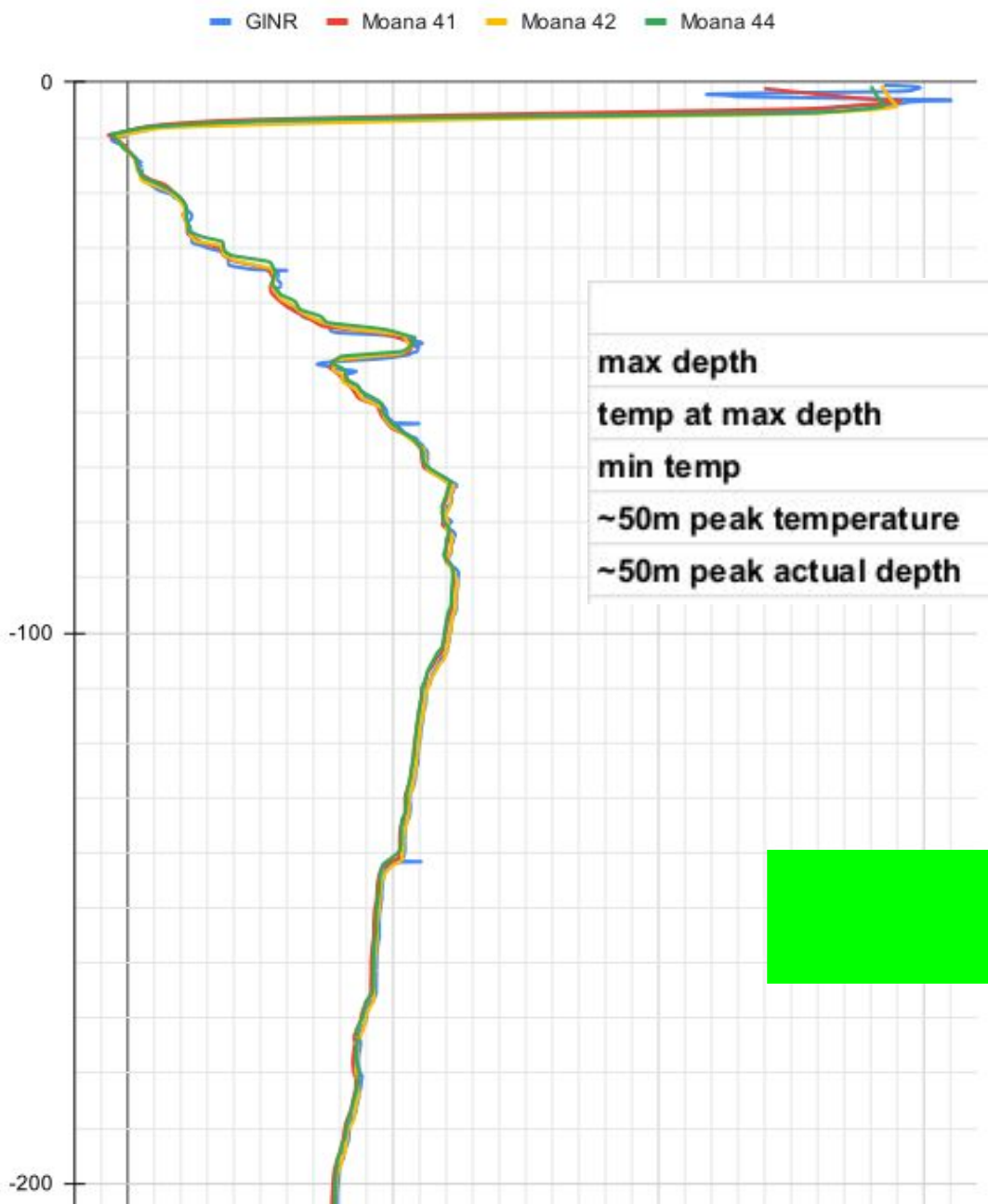
Visuals sent back to fisher

Visualization





Assessing the scientific value of the data



	GINR	Moana 41	Moana 42	Moana 44
max depth	502,598	500,8	502,9	502,1
temp at max depth	1,313	1,28	1,297	1,296
min temp	-0,1214	-0,142	-0,083	-0,113
~50m peak temperature	2,1935	2,15	2,13	44229
~50m peak actual depth	48,334	48	47,8	47

OK !

For now our focus is to provide almost raw data, and discussion time.

Perspectives

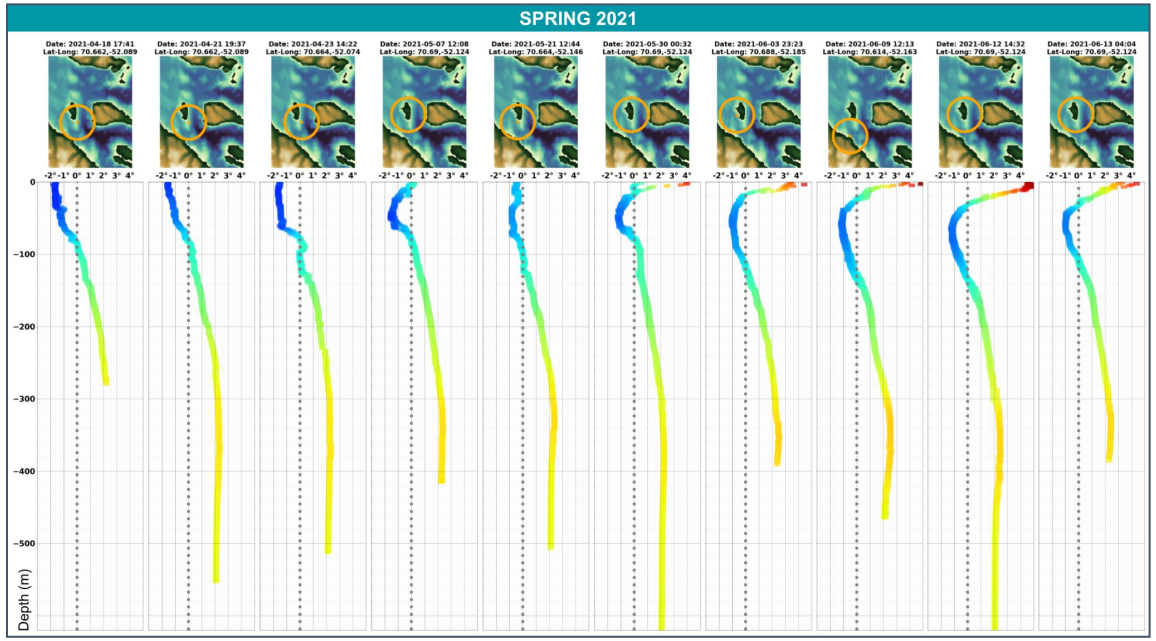
Engaging communities
Fishers, children & scientists

Data valorization

Speaking about the data: knowledge exchange through conversations, focus groups, spending time together.

- Develop the concept of community based monitoring of the ocean.
- Bring together fishers & youngsters through technology.

- Continue automating data collection process for a smoother experience.
- Improve visualization & access via a web service?


SPRING 2021
Depth (m)

Qujanaq !