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

Fisher sends data (e.g. over email)

Visuals sent back to fisher
Server processing the data: basic cleaning and drawing a visual dashboard.

Deck unit sends data to a remote server.

Visuals sent back to fisher.
### Assessing the scientific value of the data

<table>
<thead>
<tr>
<th></th>
<th>GINR</th>
<th>Moana 41</th>
<th>Moana 42</th>
<th>Moana 44</th>
</tr>
</thead>
<tbody>
<tr>
<td>max depth</td>
<td>502,598</td>
<td>500,8</td>
<td>502,9</td>
<td>502,1</td>
</tr>
<tr>
<td>temp at max depth</td>
<td>1,313</td>
<td>1,28</td>
<td>1,297</td>
<td>1,296</td>
</tr>
<tr>
<td>min temp</td>
<td>-0,1214</td>
<td>-0,142</td>
<td>-0,083</td>
<td>-0,113</td>
</tr>
<tr>
<td>~50m peak temperature</td>
<td>2,1935</td>
<td>2,15</td>
<td>2,13</td>
<td>44229</td>
</tr>
<tr>
<td>~50m peak actual depth</td>
<td>48,334</td>
<td>48</td>
<td>47,8</td>
<td>47</td>
</tr>
</tbody>
</table>
For now our focus is to provide almost raw data, and discussion time.

**Perspectives**

**Engaging communities**
*Fishers, children & scientists*

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

**Data valorization**

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

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