

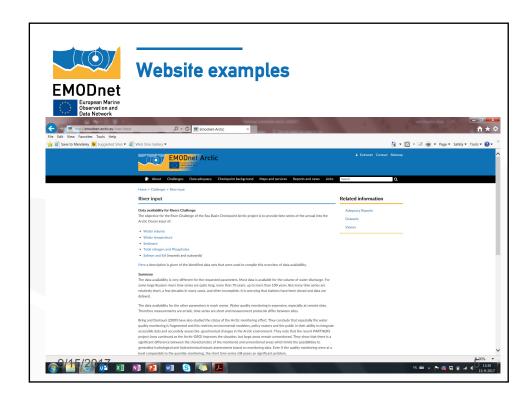


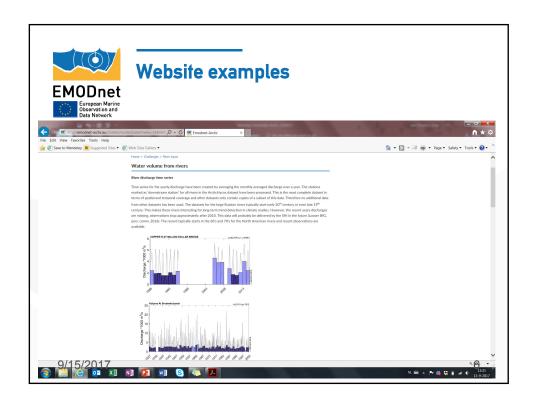
# Updates on the work so far

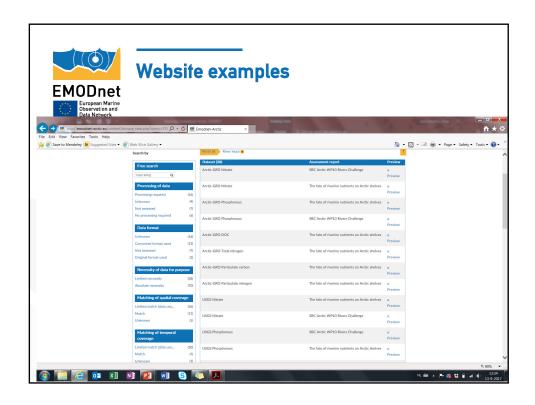
- Work done:
  - Literature survey (<u>link to report</u>)
  - Data Adequacy Report (DAR, <u>link to report</u>)
  - Challenges (See <u>website</u> for latest updates)
  - Expert Panel Meeting (<u>report</u>)
  - Stakeholder Workshop (<u>report</u>)
  - Kick-off Phase II
  - Svalbard visit
  - Challenge leaders meeting

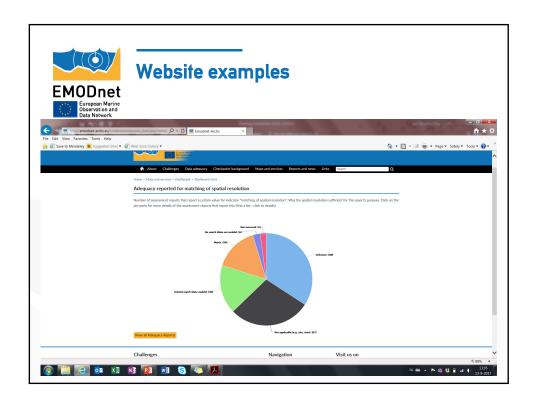
9/15/2017 3

















### **Highlights**

- Connected to interesting people and projects related to the Arctic.
- All challenges were discussed and expert inputs were given on the topic, as well as recommendations for the future.



9/15/2017 11



## **Example: Fisheries**



#### Recommendations for science

- Collect information on bycatch of fisheries in the Arctic (on short time series are available and information for Arctic Ocean is lacking)
- Information for Arctic Ocean is lacking)

  Get a better understanding of fisheries in the Arctic Ocean and set up mechanisms how to monitor it (including a current baseline). No statistics on stocks in Arctic Ocean because current fisheries here is close to none. But the ocean is opening up due to climate change. Make sure monitoring is in place to assess current stocks and impacts of fisheries. No knowledge on Russian fisheries. Pinpoint some hot spots in region, because you can provide reliable information on landings, bycatch, and effort in e.g. Barents Sea, eastern Canadian waters (very open in sharing) and Bering Sea.
- Get a better understanding of habitat impacts due to bottom trawling fisheries in the Arctic by combining fisheries effort and habitat characteristics. Both are knowledge gaps. Can the Barents Sea information work as an example? Difficult is proof of impacts of the actual fisheries in the

#### Recommended action points

- Include shell fish, crab and shrimp fisheries in the challenge as this is the main type of fisheries in some of the parts of the Arctic, for instance in eastern Canada, and also in the Barents Sea.
- Update international databases with national databases. International databases are often lagging 3 years behind and present data in a format that you don't have access to more details. How well do these large international databases perform? ICES data base should be up-to-date, although not all data are readily available from ICES.
- Improve access to existing data. Focus on some areas.

9/15/2017 12



- Svalbard Integrated Arctic Earth Observing System
- Regional observing system for long-term measurements in and around Svalbard addressing Earth System Science questions
- The SIOS Knowledge Centre includes:
  - Integration and optimization of the observation system
  - Access to the research infrastructure
  - Data management, storing and curating of scientific data, both ground-based and from space
  - Utilization of remote sensing resources
  - Coordination of logistical services
  - Training and education programs

9/15/2017 13





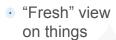
## Challenge leaders meeting

- Challenge walk-through, status updates
- Group exercises: outlook to the future
- Actions and recommendations
- A roleplay game

9/15/2017



# Roleplay game



- Playful way to look at serious topics
- Result: List of wishes/ideas/ visions for the future



9/15/2017

16

15

