## Atlantic Checkpoint Status

Jacques Populus and team



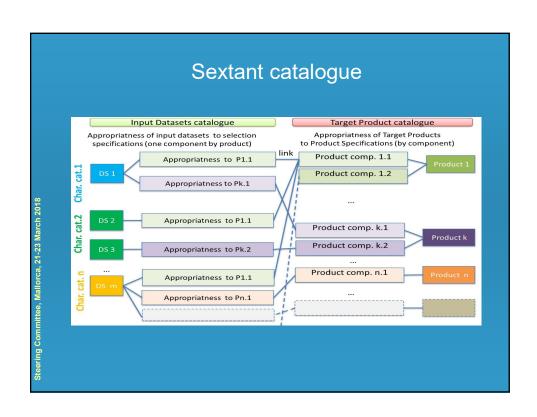
#### Retro-planning 2018

- 26/08: End of project and final report delivery
- 26/06: Panel report delivery
- 13/06: Panel meeting completed
- 26/05: DAR2 delivery
- 26/02: Atlantic Checkpoint follow-on report delivered

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### Current actions towards DAR2 and Web tools

- 22/03: All metadata stored in catalogue
- 22/03: All challenge reports delivered
- DAR2 outline: (almost) ready
- Export of whole catalogue from Sextant and software development of graphical DAR2 outputs underway
- Software development of web graphical outputs: planned from May to July



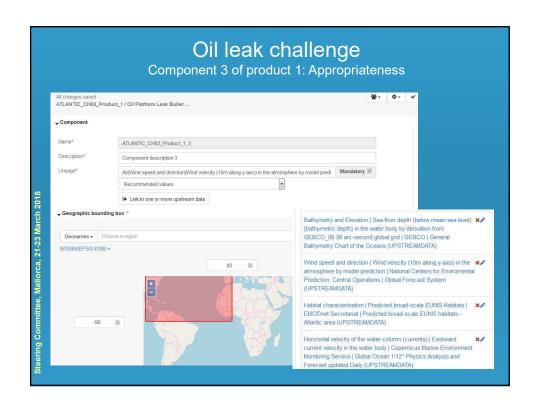
#### Sextant catalogue Products (55) and components (138)

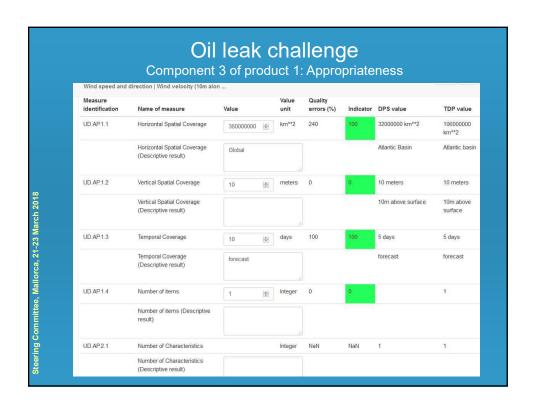
#### Three cases can be found:

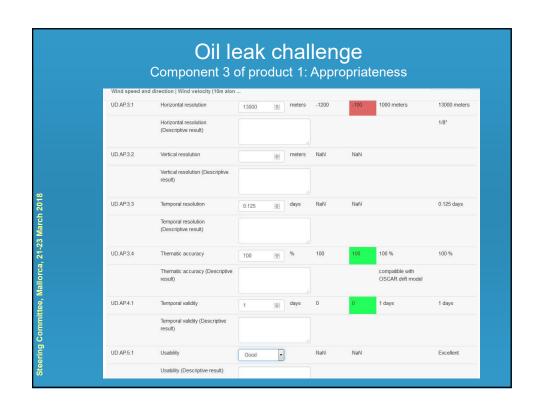
- · Component not made because of non-existing data
- Component not made because data not available: those data sets not available are attached to the component and reasons for lack of availability are described
- Component made
  - · All contributing data sets are attached
  - Their appropriateness is described by way of quantitative indicators
  - Their availability is good (no need to assess)

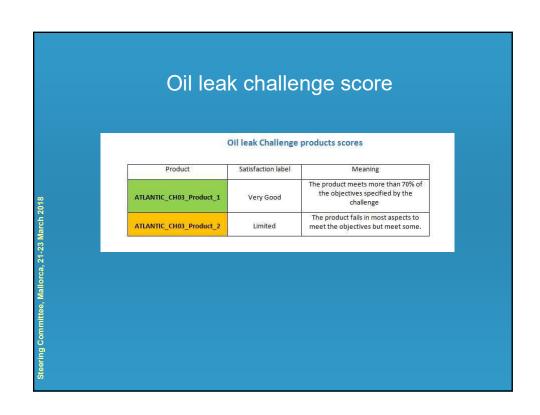
### Metrics for data sets appropriateness

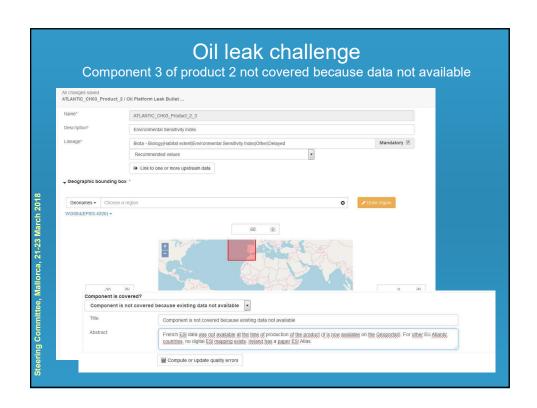
ISO Quality element	Metric name	Definition	Unit
	Horizontal coverage	Surface area covered	km²
Completences	Vertical coverage	cs Number of characteristics used  Mean horizontal interval	m
Completeness	Temporal coverage	Time span covered	day
	Number of occurrences	Object type	-
Coherence	Number of characteristics	Number of characteristics used	-
	Horizontal resolution	Mean horizontal interval	m
	Vertical resolution	Mean vertical interval	m
Accuracy	Temporal resolution	Time lag	day
	Thematic accuracy	Percentage	%
Vintage	Temporal validity	Data freshness (time since last update)	day

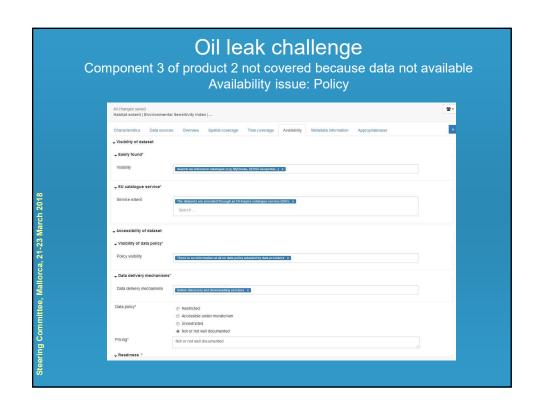




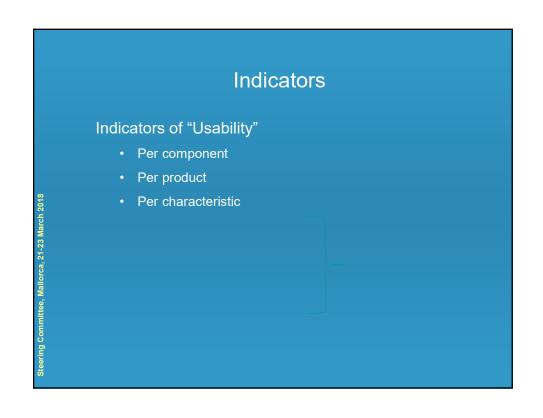


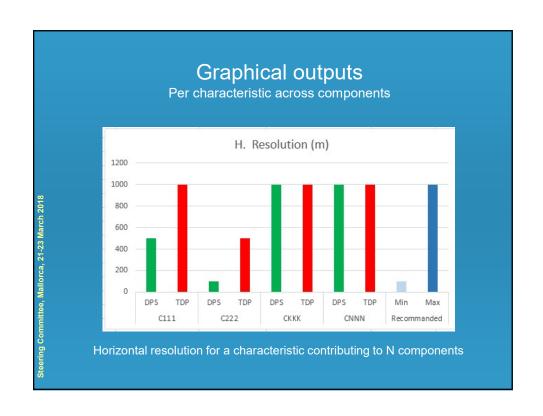


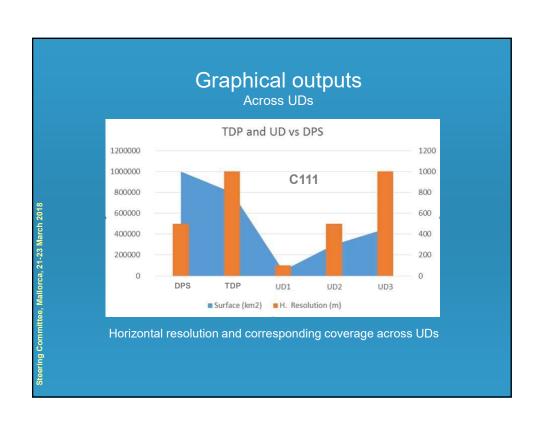




		products scores
Product	Satisfaction label	Meaning
ATLANTIC_CH03_Product_1	Very Good	The product meets more than 70% the objectives specified by the challenge
ATLANTIC_CH03_Product_2	Limited	The product fails in most aspects t meet the objectives but meet som
ATLANTIC_CH03_Product_2	Limited	







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#### Metadata issues

- P02s sometimes not adapted
- Vertical resolution unclear to many (2,5D/3D)
- · Temporal validity sometimes overlooked
- Coverage: can be km², or km of coastline or spatial objects (rivers, sea-level gauges, regions, Member States), but also "items" that report completeness (e.g. species, % of informed metadata)
- Some confusions between "not existing" and "not available"
- Data set identifiers should be unique across users, an issue DOI would overcome

#### Conclusions

- ISO offers a stable INSPIRE-compatible framework and being applied in many data centres, inc. USA. It makes it easier to replicate the use of the tools, e.g. with Atlantos. We only use a "user-oriented" part of ISO
- Checkpoint organisation, services, robustness of tools and revisit frequency remain to be discussed/improved
- Ranking "urgency" for data collection/assembly remain to be done. EOOS's list of EOVs (Essential Ocean Variables) provides a good basis foe this.

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#### Main conclusions of follow-on report

#### · Checkpoints are here to stay

Challenges thematic outline

Geographic relevance

About the ISO assessment methodology

Variables in scope

The checkpoint tools

Update frequency and governance

About sustainability and skills needed

#### · Quality control of thematic lots and EU projects data

Quality control mechanism within thematic lots

Current use of the assessment tools

Potential use of checkpoint tools outside EMODnet