ATLAS case study data compilation & work flow

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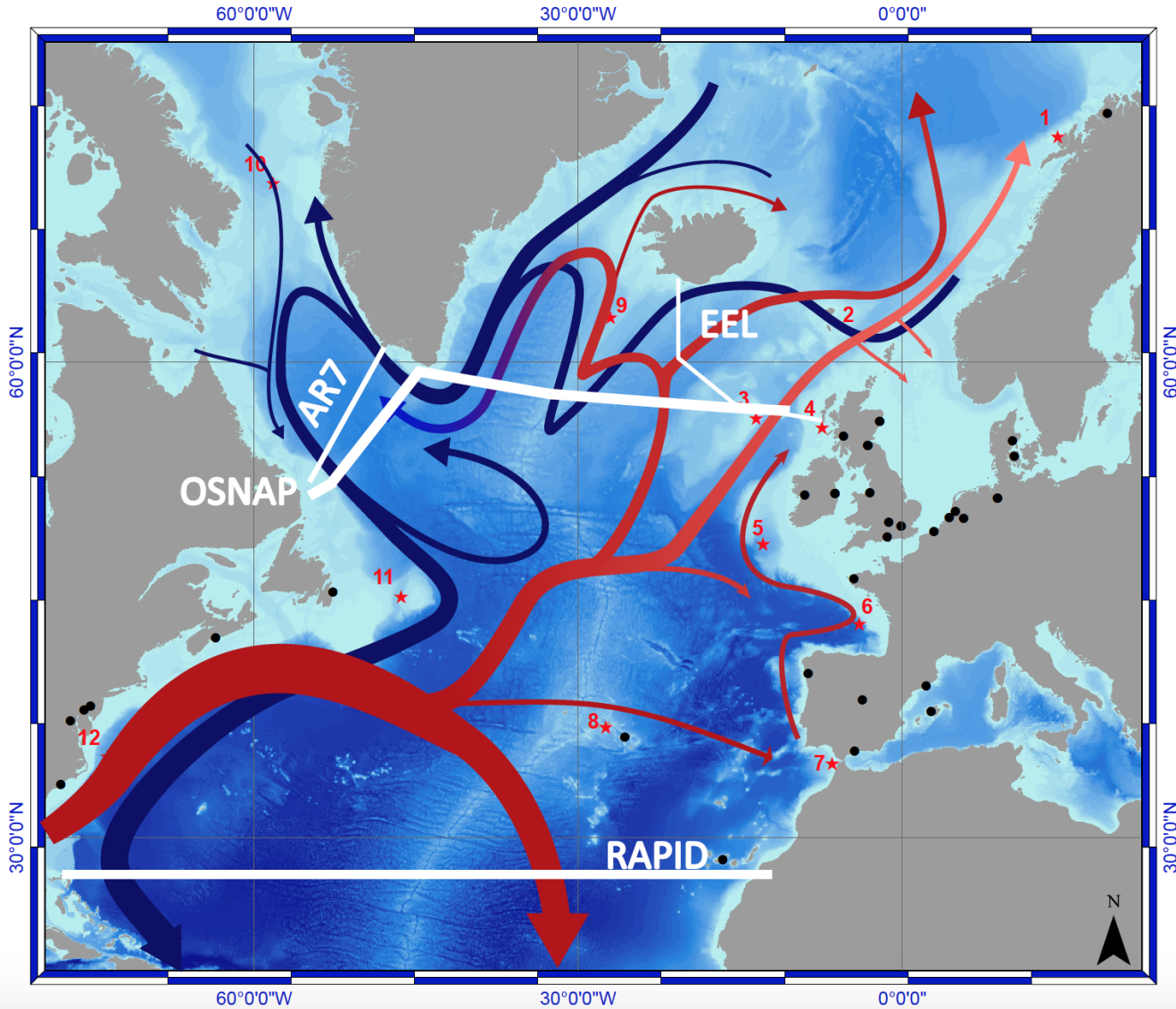[4]British Geological Survey, Lyell Centre, United Kingdom

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Data Sources for ATLAS

✓ Basin-scale compilations

✓ Research cruises and *in situ* observations

✓ Models

✓ Laboratory and *in situ* studies

✓ Surveys and questionnaires

✓ 12 Case Studies

ATLAS Case Studies

CS Fast Facts

All CSs will provide data, maps, expert opinion for WPs
- ✓ Set context for particle trajectory and connectivity models (WP1)
- ✓ Provide records of VME indicator taxa and deep-sea fish for ATLAS' master biodiversity database and North Atlantic VME biogeography, and species distribution models (WP3, 7)
- ✓ Evaluate CS as potential EBSA using the Ecosystem Evaluation Framework (WP3, 7)
- ✓ Provide data and expert opinion for MESMA framework (WP6)
- ✓ Provide relevant CS outputs and updates to policy, data management and outreach/dissemination (WP7,8,9)

Some CSs have a more integrated role for specific tasks/deliverables
- ✓ GES assessments (all European CSs) (WP3)
- ✓ Food flux experiments and organic matter models (Rockall) (WP2)
- ✓ Socioeconomic evaluations (Flemish Cap, Mingulay, Azores, LoVe) (WP5)

CS Workflow

CS Leaders meeting in Brussels, November 2017

3 Outcomes:
- ✓ 2 mobile phones lost
- ✓ 2 mobile phones found
- ✓ Workflow agreed

Workflow Plan

Scoping

- CS leaders asked to list all ATLAS-relevant datasets he/she can make available to ATLAS
- Also list metadata (description, linked publications, ownership, open-access, etc.)

Assessment

- CS lists reviewed by a core group (WP6 & 7 leads, CS co-ordinator, EMODnet)
- EMODnet *Atlantic Checkpoint* reviews the contents of the data/data layers
- Format requirements reviewed by *European Atlas of the Seas* (EMODnet)

Sharing

- CS leaders asked to supply data/layers to *PANGAEA*, which feeds into EMODnet
- Data layers shared with ATLAS

Example of CS Data Flow into WP6

Step 1 of the MESMA approach to MSP

✓ D6.1: Sectoral activities, institutional landscape, existing management plans and MSP goals

Scoping → Assessment → Sharing

Step 2 of MESMA

- comprises the collation and mapping of existing information including all ecosystem components (natural and socio-economic) relevant to the set of objectives defined in Step 1.

Thank you