NOOS lateral boundary data requirements

Your details

This survey aims to gather the NOOS community's requirements for lateral boundary conditions to drive nested models. If you have m
conditions, please complete this survey once for each model.

1. Please provide your details.

Name	
e-mail address	
Organisation	
Country	
Name of nested model/system	
Approximate location of model boundary	

2. Type of model from which you need boundary conditions

- [ ] North-West Shelf tidal model
- [ ] Deep-ocean non-tidal model

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Your requirements

This survey uses 2 levels of requirements defined by WMO:

The "threshold" requirements define the minimum acceptable service, below which the data is of little use.

The "breakthrough" (or "target") requirements define a high quality service, which would result in a significant improvement in your application.

3. Please specify the threshold values for the following aspects of the data service.

Temporal resolution (hours)	
Horizontal resolution (km)	
Vertical resolution (thickness of surface box in m)	
Timeliness (delay in hours between validity time and data availability)	
Forecast length (days)	

4. Which parameters are needed to meet your threshold requirements?

- ☐ Potential temperature
- ☐ Salinity
- ☐ Sea surface height
- ☐ Currents
- ☐ Other (please specify)
- ☐ Sea-ice
- ☐ Attenuation coefficient
- ☐ Chlorophyll
- ☐ Dissolved oxygen
- ☐ Nitrate
- ☐ Phosphate
- ☐ Phytoplankton biomass
- ☐ Primary productivity

5. Please specify the breakthrough (target) requirements for the following aspects of the data service.

Temporal resolution (hours) [ ]

Horizontal resolution (km) [ ]

Vertical resolution (thickness of surface box in m) [ ]

Timeliness (delay in hours between validity time and data availability) [ ]

Forecast length (days) [ ]

6. Which parameters are needed to meet your breakthrough (target) requirements?

- [ ] Potential temperature
- [ ] Salinity
- [ ] Sea surface height
- [ ] Currents
- [ ] Sea-ice
- [ ] Attenuation coefficient
- [ ] Chlorophyll
- [ ] Dissolved oxygen
- [ ] Nitrate
- [ ] Phosphate
- [ ] Phytoplankton biomass
- [ ] Primary productivity
- [ ] Other (please specify)

[ ]

7. Please provide any other information on your requirements.

[ ]