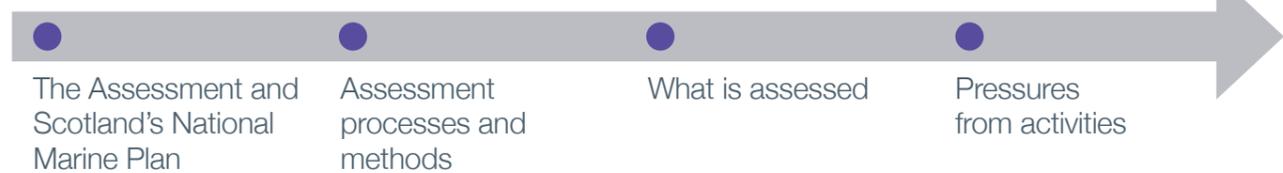


Scotland's Marine Assessment 2020 portal

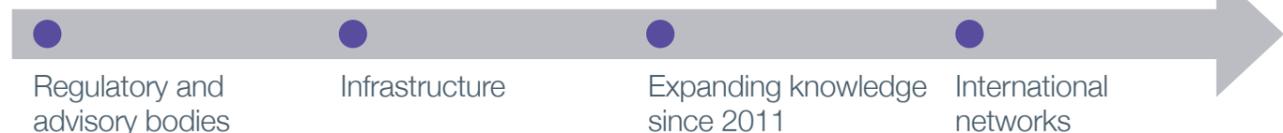
The SMA2020 portal provides the detail of the assessments and a range of case studies that are summarised in the *Headlines and Next Steps*.

The SMA2020 portal, *Marine Scotland Assessment*, is part of the Marine Scotland Open Data Network (MSODN) which also includes *Marine Scotland Information*, *Marine Scotland Maps NMPi* and *Marine Scotland Data*. SMA2020 is supported with the MSODN providing links to spatial data layers and appropriate assessment metadata. SMA2020 has been designed to be intuitive and flexible to use on the wide range of platforms available. Sections take their names from the elements of the vision for Scotland's seas being reported e.g. Clean and safe, etc. In addition, there are Topics, for example, Introduction and Climate change, that contain the following material:

Introduction



Managing the human activities that have an impact on Scotland's seas



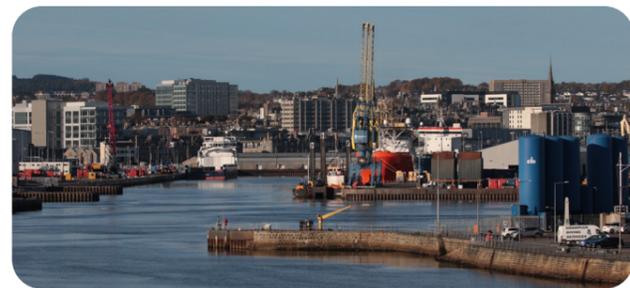
Climate change

Assessments of 'What is already happening?' and 'What is likely to happen in future?'



Natural capital, ecosystem services and the blue economy

Assessments of the natural benefits from Scotland's seas.



Pressures from activities

Results from the MASTS-led expert workshop with an assessment for each Scottish Marine Region (SMR) and Offshore Marine Region (OMR).



Regional assessments

Based on the various assessments, a summary for each SMR and OMR.

Assessments related to the vision for Scotland's seas

A standard structure is used for the assessments related to the vision:

| Clean and safe Healthy and biologically diverse Physical characteristics | Productive |
|--|------------------------------------|
| Key message | Key message |
| Background | What, why and where? |
| Assessment methods | Contribution to the economy |
| Results | Examples of socio-economic effects |
| Conclusion | Pressures on the environment |
| Knowledge gaps | Forward look |
| Status and trend assessment | Economic trend assessment |
| Links and resources | Links and resources |

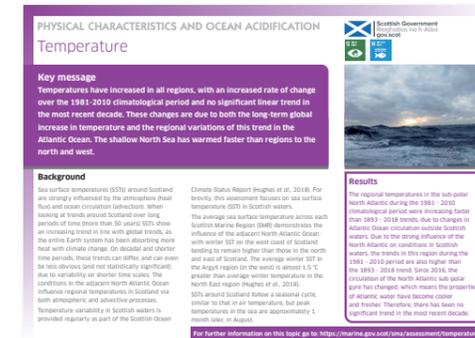
Pressures from activities

Key to SMA2020 is the summary of significant pressures that are a requirement under the Marine (Scotland) Act 2010. The image below shows an example of the priority pressures table for the Solway SMR, which provides links to other parts of the SMA2020.

| [1] Priority | [2] Pressure (FeAST) | [3] Main ecosystem components affected | [4] Main contributing FeAST activity /activities to pressure | Productive assessments |
|--------------|--|--|---|--|
| 1 | Removal of target species (including lethal) | <ul style="list-style-type: none"> Commercial fish Commercial shellfish | <ul style="list-style-type: none"> Bottom otter trawling and pair trawls (OTB, OTT, PTB, TB, TBN) Creeching and potting (FPO) Dive fisheries (not including hydraulic dredging) (HF, MIS) Lino fishing (hand and mechanized lino and longlining) (LHP, LHM, LL, LLS) Recreational Fishing Scallops dredging (DRB) | <ul style="list-style-type: none"> Fishing |
| 2 | Seafloor abrasion | <ul style="list-style-type: none"> Marine Protected Areas Extent of physical damage to seafloor habitats | <ul style="list-style-type: none"> Bottom otter trawling and pair trawls (OTB, OTT, PTB, TB, TBN) Creeching and potting (FPO) Scallops dredging (DRB) | <ul style="list-style-type: none"> Fishing |
| 3 | Removal of non-target species (including lethal) | <ul style="list-style-type: none"> Seals Cetaceans Commercial fish Commercial shellfish Wider fish community Inshore fish (estuaries and reduced salinity sea lochs) | <ul style="list-style-type: none"> Aquaculture Finfish Bottom otter trawling and pair trawls (OTB, OTT, PTB, TB, TBN) Creeching and potting (FPO) Intertidal fishing (e.g. bait digging but not bivalves) Line fishing (hand and mechanized line and longlining) (LHP, LHM, LL, LLS) | <ul style="list-style-type: none"> Aquaculture Fishing |
| 4 | Underwater noise | <ul style="list-style-type: none"> Seals Cetaceans Commercial fish Salmon and sea trout Wider fish community | <ul style="list-style-type: none"> Aquaculture Finfish Military activities – sea surface activity Military activities – sonar use Shipping Tourism & recreation | <ul style="list-style-type: none"> Loch and recreation Dofonoo (Military) Aquaculture |

Printable summaries

Downloadable summary pdfs are available for each of the Physical characteristics and ocean acidification, Clean and safe, Healthy and biologically diverse and Productive assessments.



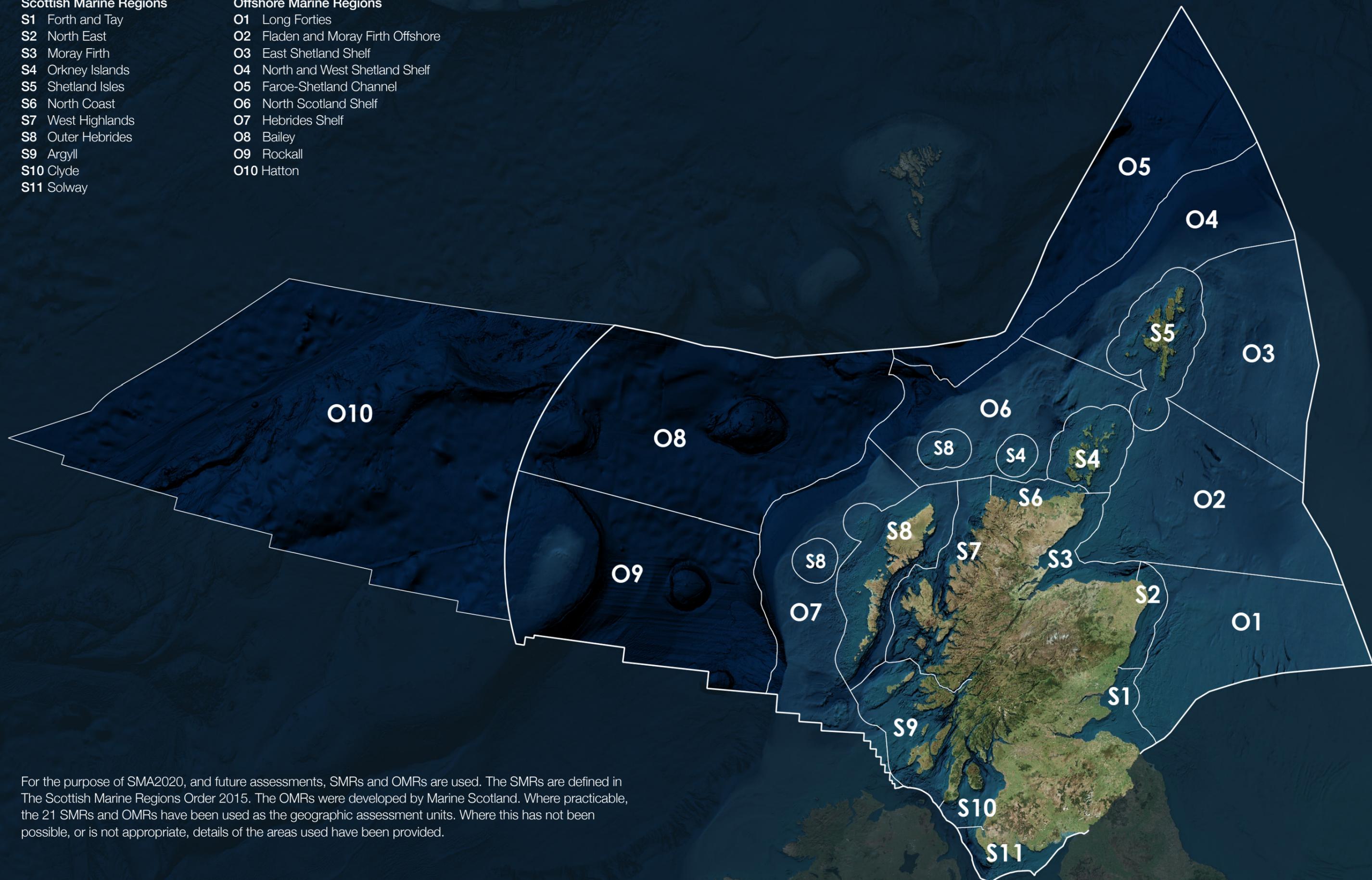
Key

Scottish Marine Regions

- S1 Forth and Tay
- S2 North East
- S3 Moray Firth
- S4 Orkney Islands
- S5 Shetland Isles
- S6 North Coast
- S7 West Highlands
- S8 Outer Hebrides
- S9 Argyll
- S10 Clyde
- S11 Solway

Offshore Marine Regions

- O1 Long Forties
- O2 Fladen and Moray Firth Offshore
- O3 East Shetland Shelf
- O4 North and West Shetland Shelf
- O5 Faroe-Shetland Channel
- O6 North Scotland Shelf
- O7 Hebrides Shelf
- O8 Bailey
- O9 Rockall
- O10 Hatton



For the purpose of SMA2020, and future assessments, SMRs and OMRs are used. The SMRs are defined in The Scottish Marine Regions Order 2015. The OMRs were developed by Marine Scotland. Where practicable, the 21 SMRs and OMRs have been used as the geographic assessment units. Where this has not been possible, or is not appropriate, details of the areas used have been provided.