



**JNCC Report
No. 712B**

**Mapping the flow of data from monitoring programmes into
UK Marine Strategy indicators for benthic habitats
Annex: Dataflow diagrams**

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Summary

Under the UK Marine Strategy (UK MS) the UK is required to determine and measure the status of the health of its seas. For this, specific indicators are used for different ecosystem components to measure and assess progress. Data used for the calculation of benthic habitat indicator assessments originate from a series of monitoring programmes carried out by a number of organisations. Most of these programmes operate on a localised basis and contribute towards multiple local and national assessment obligations. The data landscape underpinning the UK MS indicator assessments is therefore complex and the risk of duplication of effort and underutilisation of data resources great. This piece of work aims to follow and depict the flow of data from monitoring programmes to the indicator assessments, with the goal of highlighting areas where the flow of data could be streamlined, improved or, in the case of missing data links, created. This report was created in close collaboration with the UK statutory environmental bodies and showcases a momentary snapshot of the current statutory UK benthic data landscape. We have outlined issues that could impact the efficiency and quality of the indicator assessments and made recommendations on how to address them.

This Annex (JNCC Report No. 712B) includes the dataflow diagrams for two of the benthic habitat UK MS indicators. Supporting technical notes describing these dataflow diagrams are provided in the main report (JNCC Report No. 712A).

1 Indicator dataflow diagrams

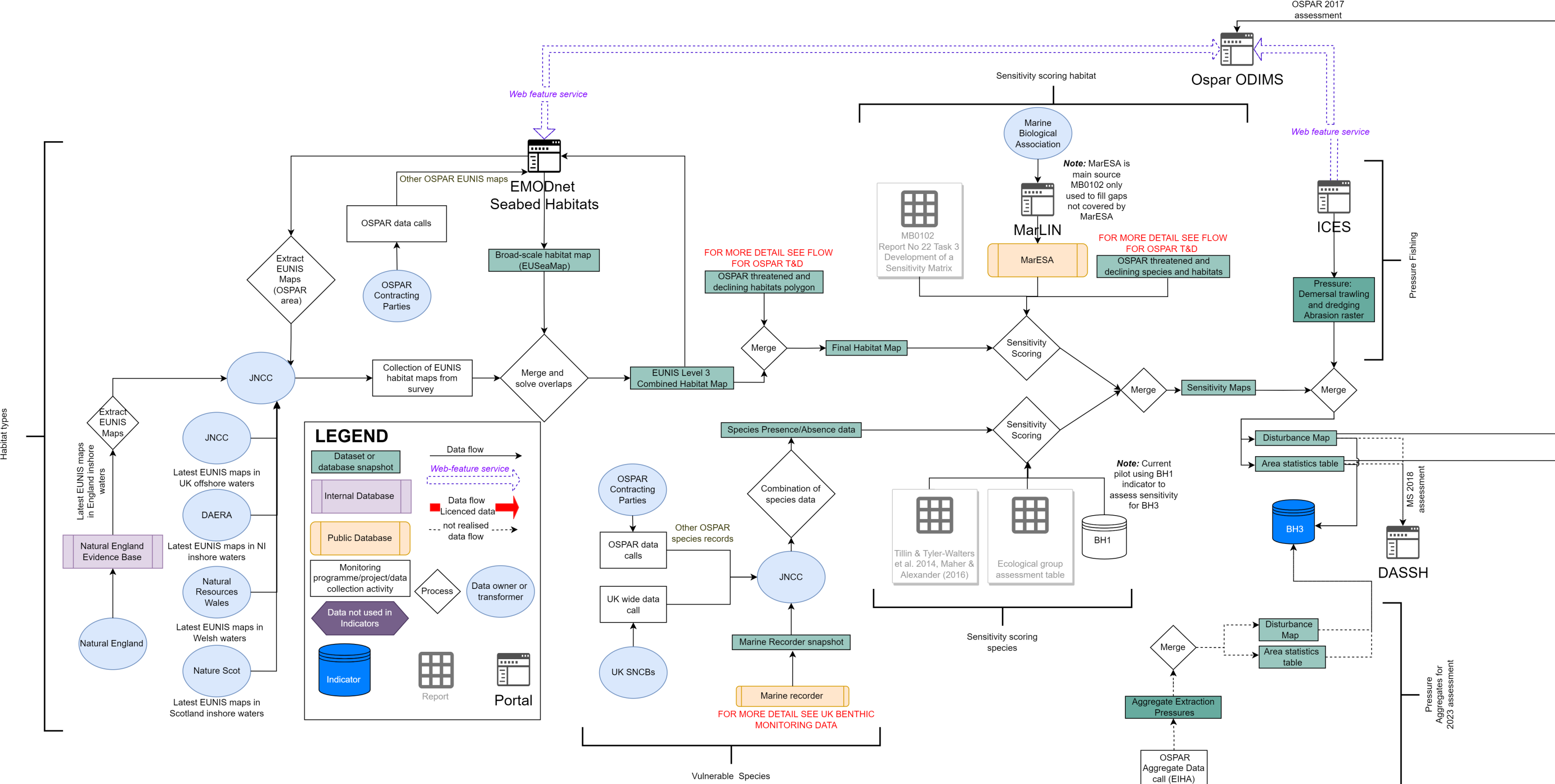


Figure 1. Diagram depicting the flow of data for the indicator 'Extent of physical damage to predominant and special habitats (BH3)'.

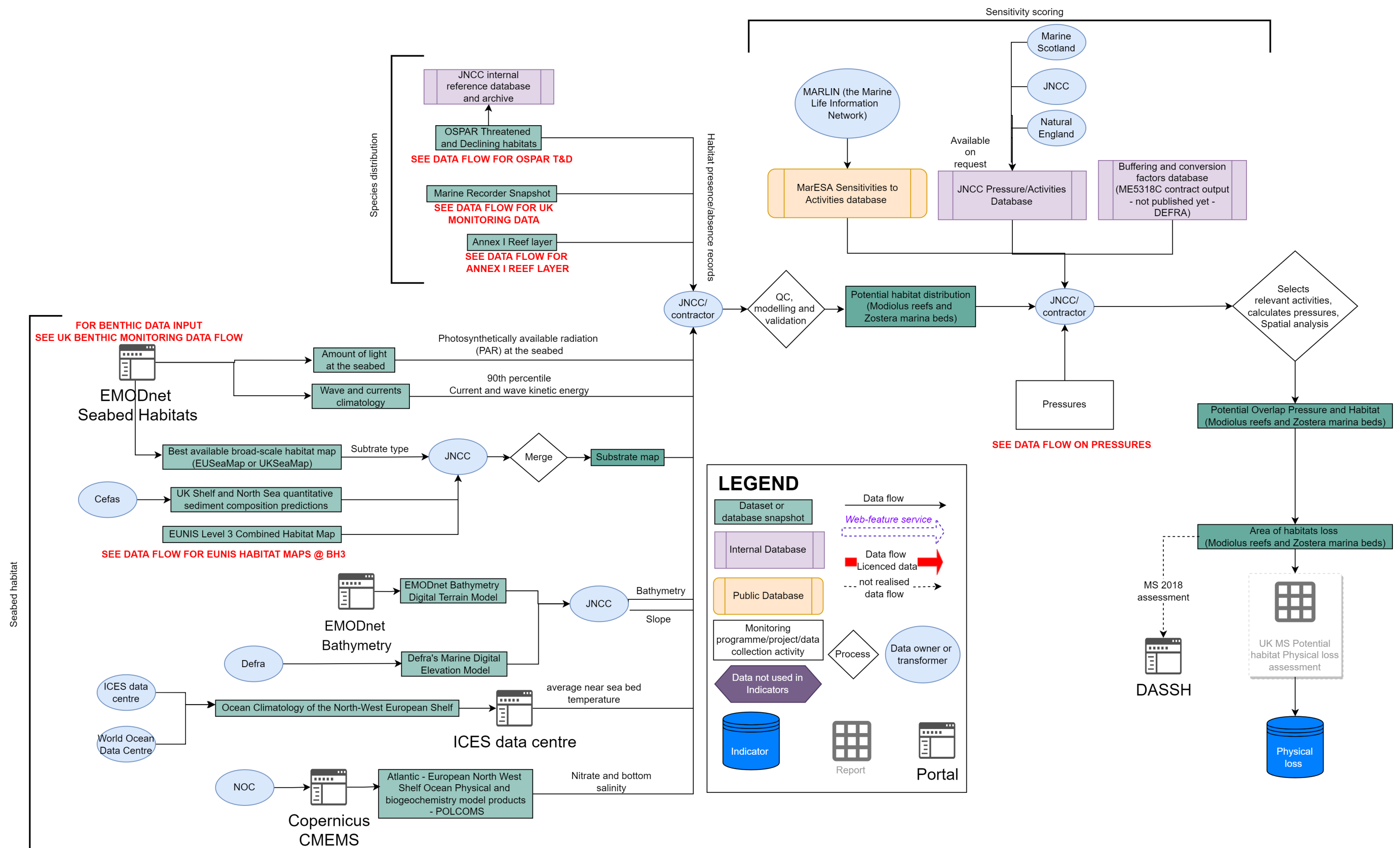


Figure 2. Diagram 1 of 2 depicting the flow of data for the indicator 'Potential physical loss of predicted seafloor habitats'.

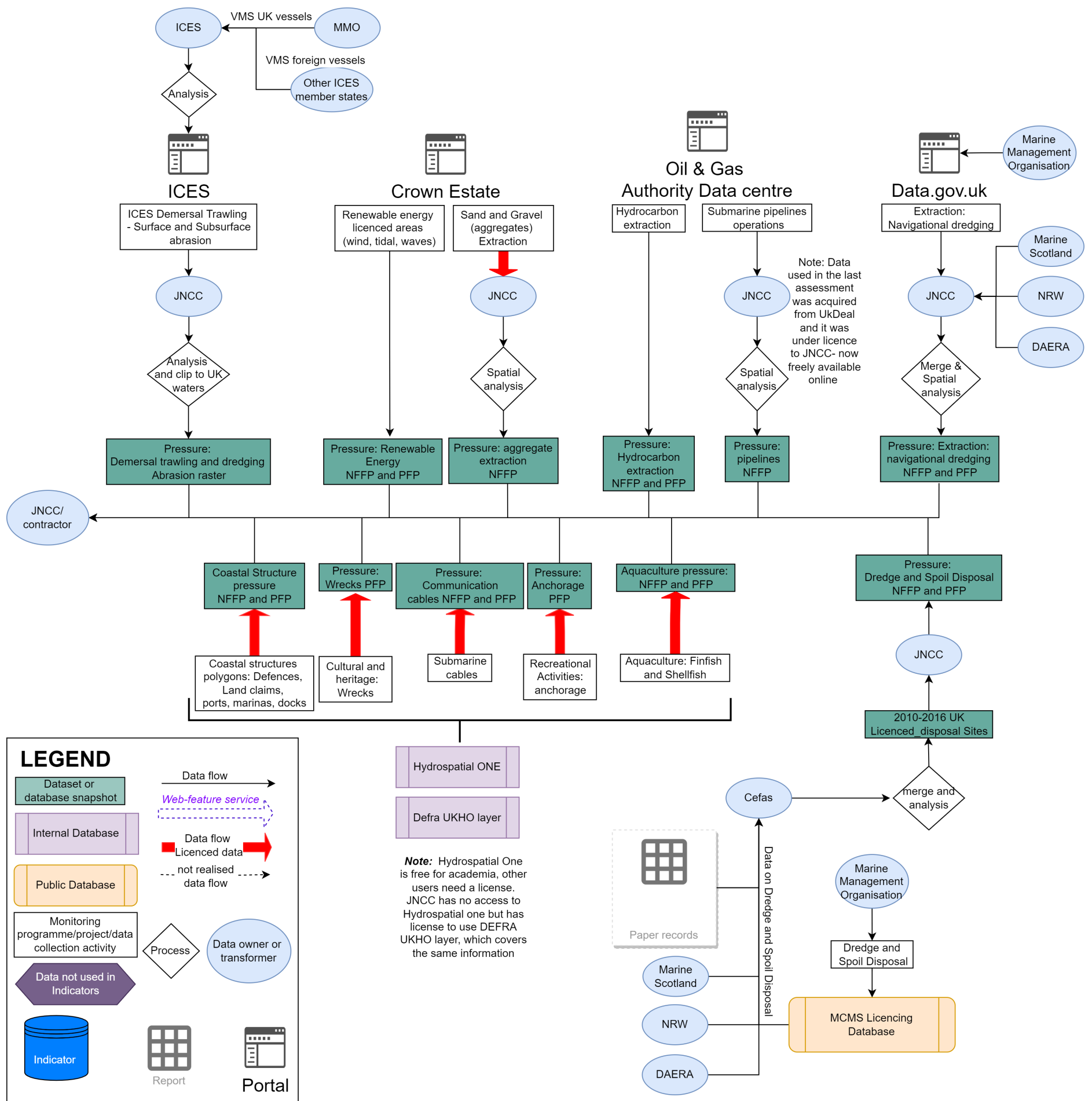


Figure 3. Diagram 2 of 2 depicting the flow of data for the indicator 'Potential physical loss of predicted seafloor habitats' and the calculation of pressures.

2 Supplementary dataflow diagrams

Supporting dataflows and technical notes have been created for some of the composite data products regularly used in the previously mapped UK MS indicator assessments. Not all composite products have been mapped, only those which were considered key in providing detail on the source and pathway of benthic data. The pertinence of these composite products may differ between benthic indicators and as indicators are further developed. The UK benthic monitoring dataflow aims to capture the complete UK benthic monitoring data landscape and, although likely to be subject to change, is applicable to all benthic indicator assessments.

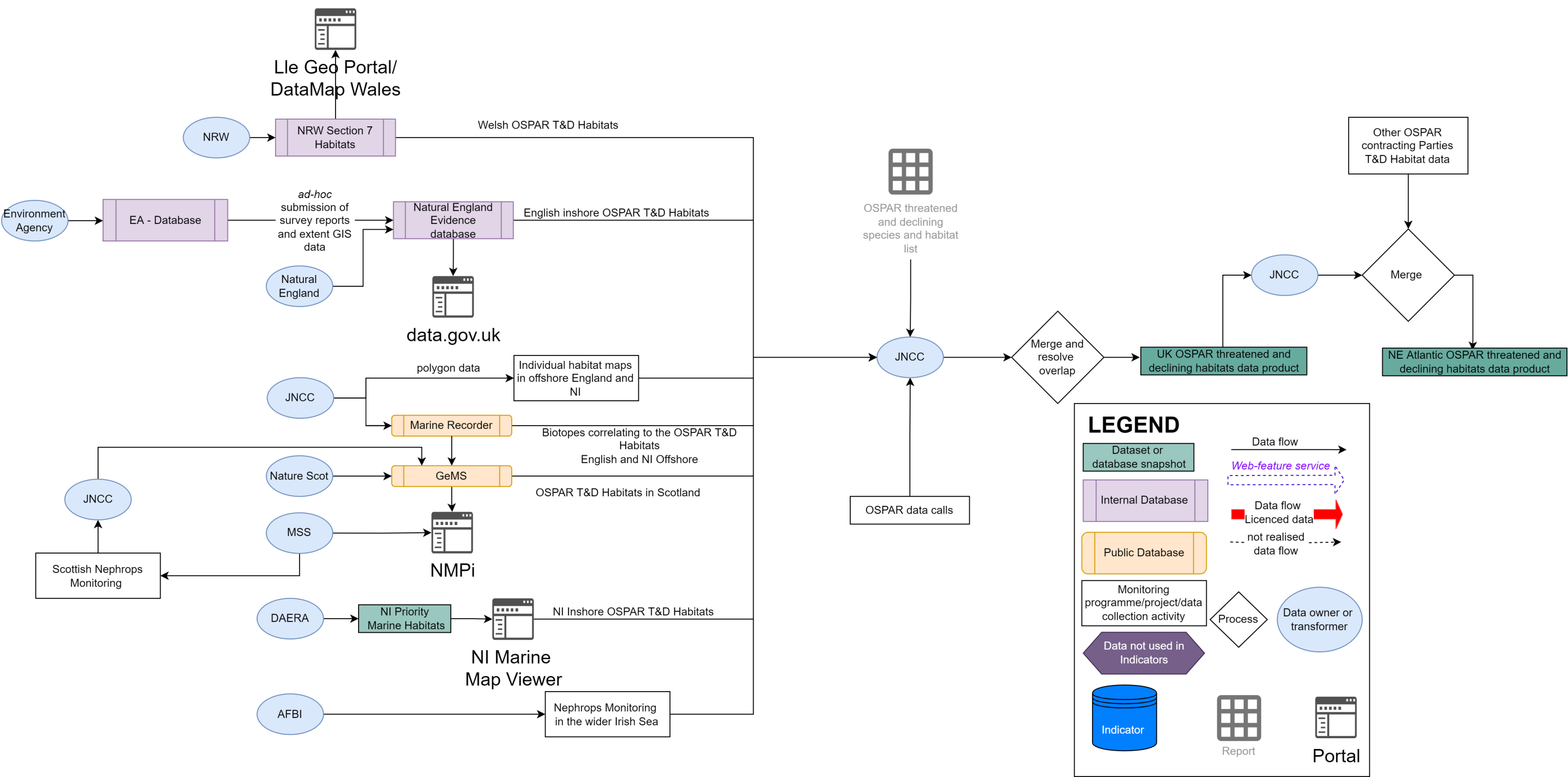


Figure 4. Diagram depicting the flow of data into the OSPAR threatened and/or declining habitats product.

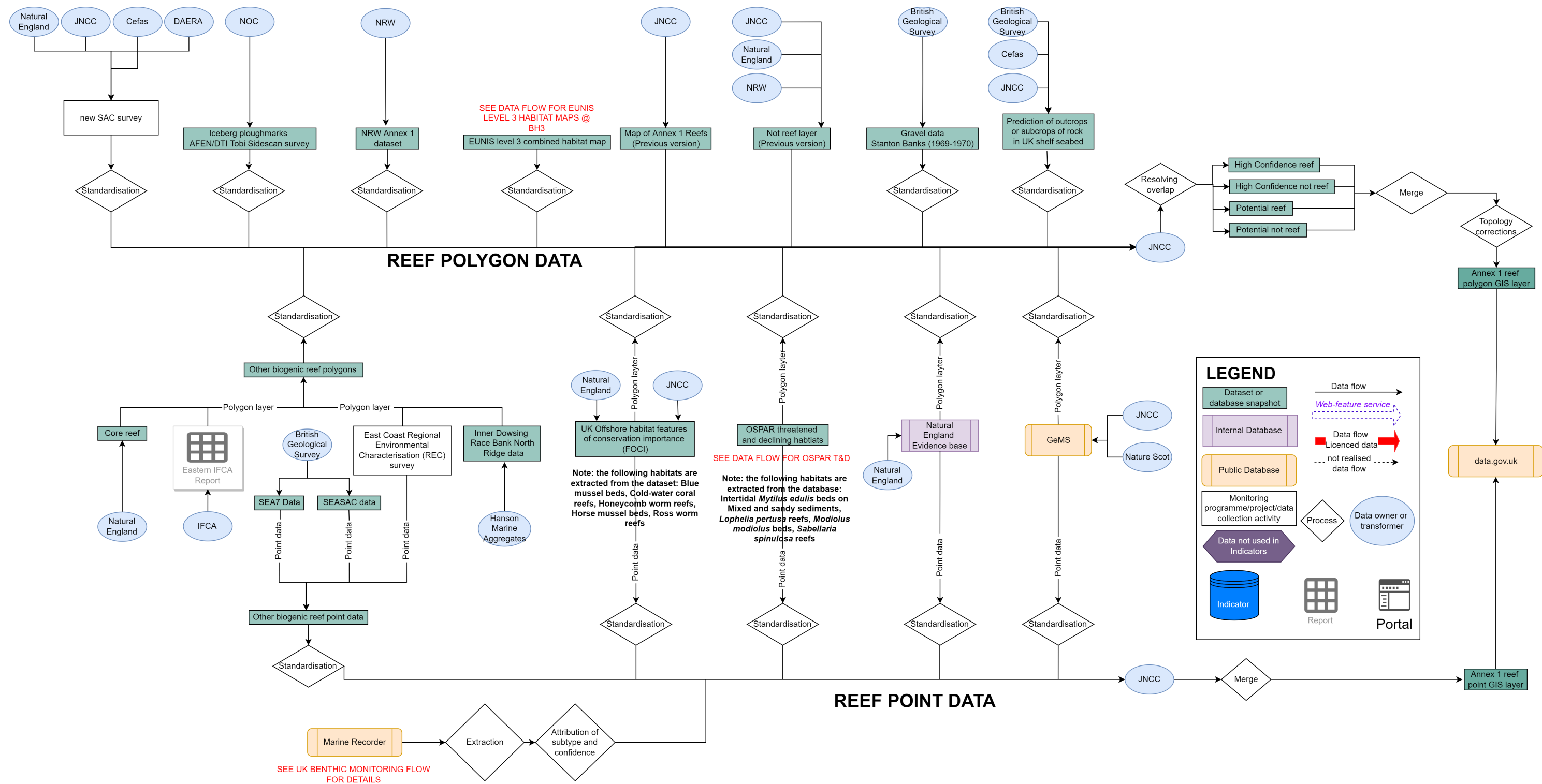


Figure 5. Diagram showing the flow of data into the Annex 1 Reef Habitat product.

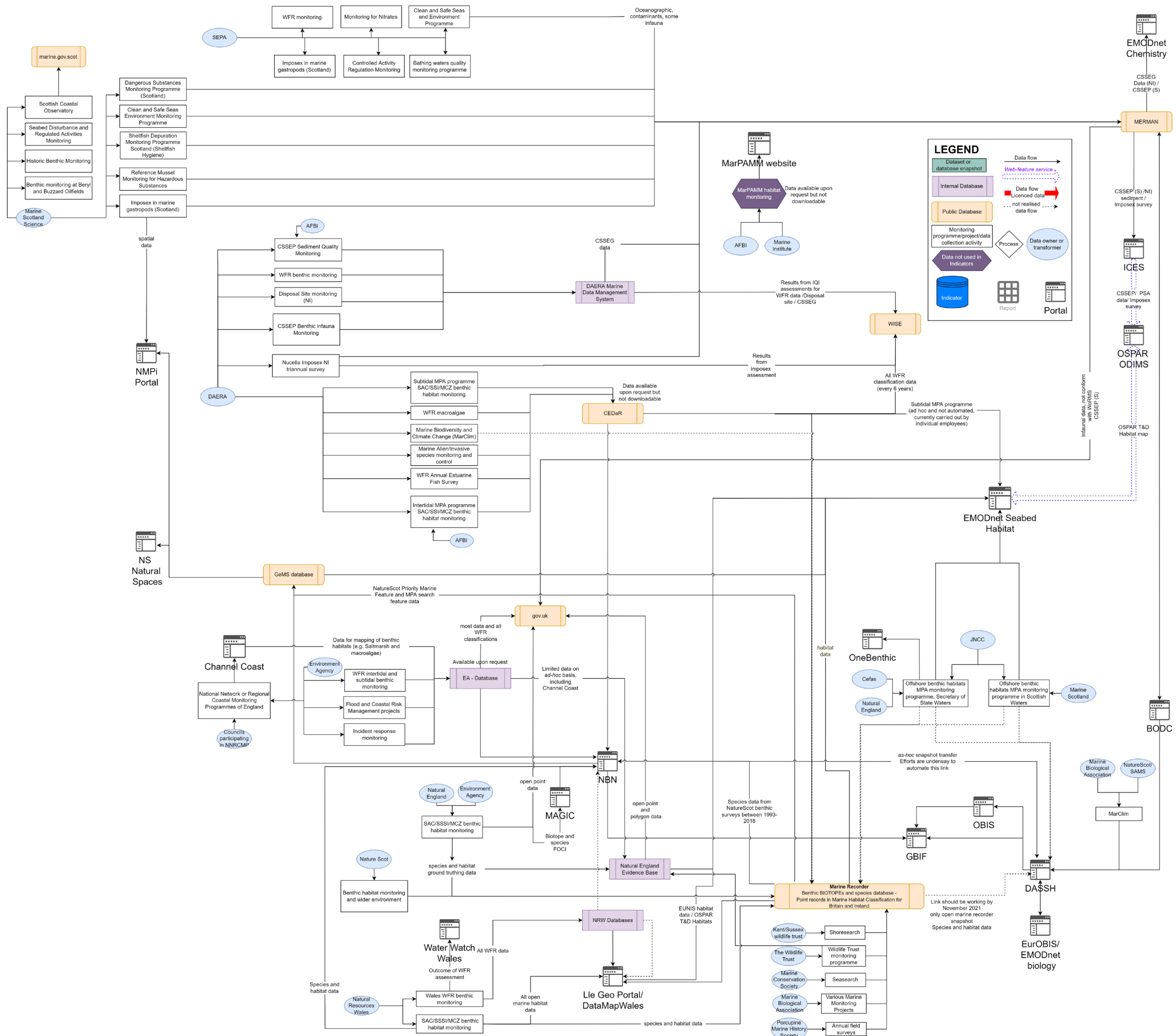


Figure 6. Diagram showing the flow of UK Benthic Monitoring Data.