**Data handling for the**

**Intermediate Assesment of the OSPAR Common Indicator on Plastic Particles in Fulmar Stomachs**

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**Assessment explanation, with files provided in**

**ZIPfileFolder-IAFulmar**

The assessment evaluates North Sea fulmar data over period 2000-2014

With actual **ASSESMENT** over 5 year period 2010-2014

And trend **analysis** over 10 year period 2015-2014

**Source data** are tables in lay-out as ordered by the Guidelines for the Common Indicator for the fulmar assessment

The source data tables are given as total list and underlying separate country sheets in ZIP folder file:

**OSPAR-RAWDATA-ALL\_FulmarEcoQO-IA-to2014.xlsx**

With **regional aggregations** based on agreed Fulmar Area Code system as provided in:

**FulmarIA-AreaCodes-Table\_20160311.xlsx**

Which has a sheet showing data + maps illustrating the area codes in different countries

And a sheet without the maps.

These two basic data tables were loaded into ORACLE database using sql scripts in ZIP folder files:

**OSPARECOQO\_CRE.sql**

**AreaCodeTable\_CRE.sql**

And next combined and made ready for queries using sql script in ZIP folder file

**OSPARECOQOview.sql**

This script for example extracts actual dates from the numerical date format in the raw data, adds aggregation options for 5-year data periods, etc. And combines all this in a final complete single table (“OSPARtable”) that was used for further queries to produce the tables and figures for the assessment.

Queries used are specified in ZIP folder file

**OSPARtableQueries.sql**

In which variations for different queries (different periods and different regional aggregations) were made by different ‘where’ clauses (see the file)

Tests for trends (simple linear regression) were conducted using GENSTAT 18th edition using the oracle querie result:

**FulmarIA\_GenstatTable.xlsx**

Which file in fact can be used for most types of the analysis (as abstract of the “OSPARtable” created in the Oracle database)

Output was further processed in excel sheets.

All data for figures and tables have been provided as separate sheets in the ZIP folder excel file:

**\*FulmarIA\_SourceData-FiguresTables.xlsx**

The sheets have been named using figure or table numbers

Graphical output for both figures and tables has also been provided in powerpoint format in ZIP folder file

**\*FulmarIA-FiguresTables.pptx**

With finally separate jpg files provided in the ZIP folder for all figures.