

Ships2

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This project is to explore the ships tracking data (AIS) and the ship waste data (CERS), to further exploit these huge, rich datasets.

Team members

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The need

DIT want to implement some of what has already been done. We have a dataset for UK waters, but may be able to extend this to a global dataset.

Impact

This project will look to:

- investigate the Rotterdam effect
- run all the AIS data, to create a full data set
- provide count of ships, ship types and sizes in and out of UK ports (for DfT)
- provide number of port-to-port journeys - who goes where? (ESSnet)
- visualize the data
- same for CERS, and also type & volume of material carried
- develop an economic indicator for trade in goods, based on shipping volumes and / or waste
- potentially build a pipeline to update outputs automatically with new data
- share code and methods with UN Global Platform, Stats Netherlands, UN Global Pulse etc.

Data science

- Big data
- Pyspark
- Data visualization
- Geospatial

Stakeholders

- Department for Transport
- DExEU
- DIT
- ESSnet
- Defra? especially for summary stats on CERS?
- BEIS
- HMT, BEIS, ONS - early indicators
- CBDS Stats Netherlands
- UN Global Pulse
- UN Global Platform

Code and outputs

- repo
- planning
- slack

Further information

Please contact datasciencecampus@ons.gov.uk for more information.

Updates

- No updates yet.