

# Advanced analytics prototype

**IMS UCM 15.4.2**

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- **Background**
- **Objective, Scope**
- **Business Scenarios**
- **Short demo**
- **Next steps**

- IMS User Consultation and ABM Workshop meetings' reports.
- Single Programming Document (SPD)

[...] ‘...Advance the collaboration with the IMS Member State and EU bodies within the context of the “Automated Behaviour Monitoring and Advanced Analytics” Working Group, to further develop the portfolio of ABM services and **define the requirements for Data Analytics tools and products...**’; with a planned 2020 output: ‘...further look into data analytics exploitation tools..’ [...].

- **Provide analysis that, thanks to the combination of different data sets, may support the 'Risk Assessment' activities of the Member States (MS) and EU Bodies**
- **Combining and aggregating data that is traditionally presented separately**
- **Not expected to be used in (near) real time/operationally, but rather more strategically**

- **‘Black Flag’ ships operating around the EU**

‘Black Flag’ per Paris MoU

- **‘Black Flag’ ships not reporting regularly**

8 hours gap between positions in the consolidated vessel track

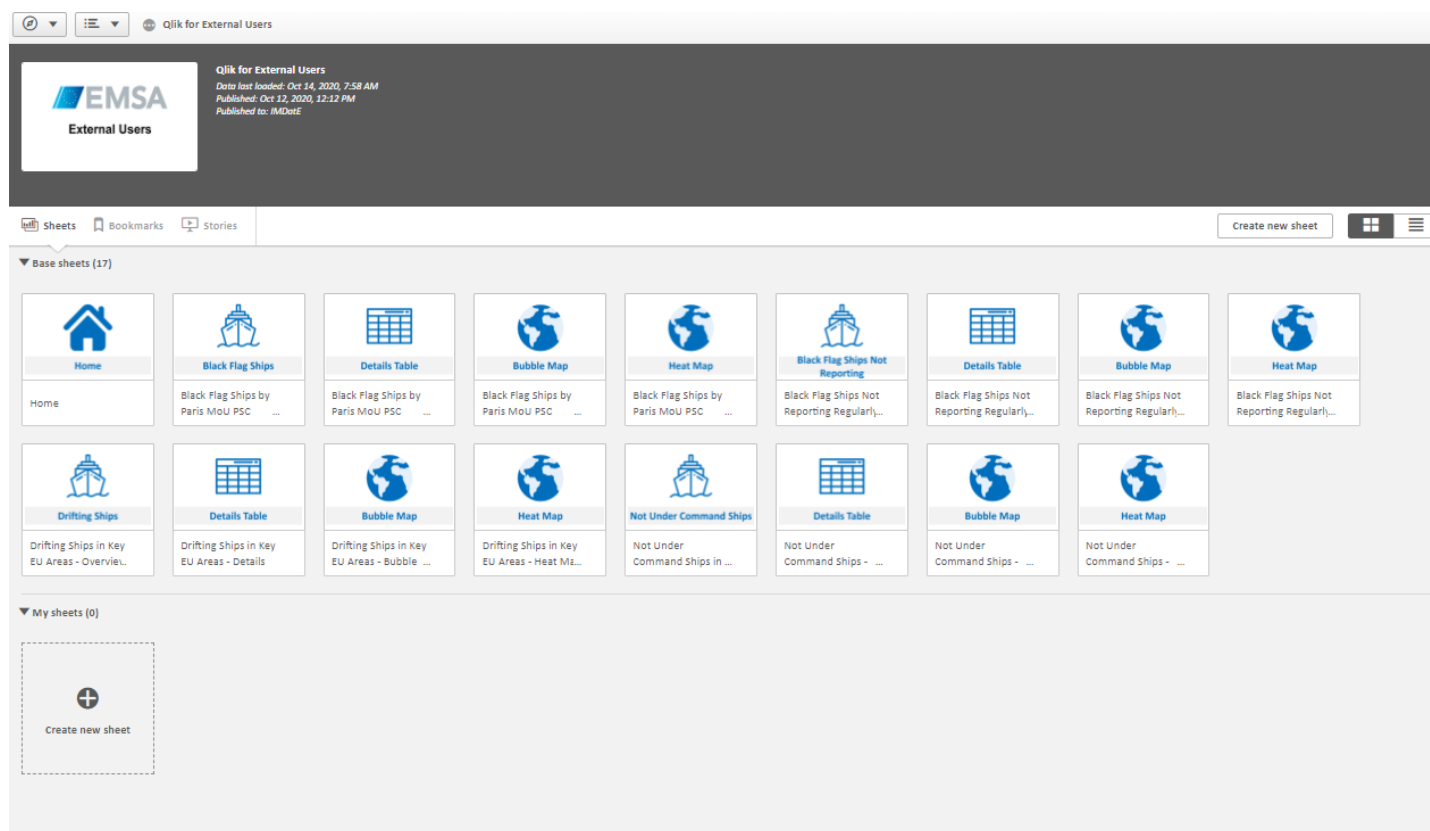
- **Ships drifting in key EU areas**

Based on ABMs configured for that purpose

- **Ships Not Under Command in key EU areas**

Based on the analysis of the ‘navigational status’ transmitted by vessels and their positions

## Prototype Tool



- **The validation of the prototype i.e. its existing functionality and available data sets**
- **The definition of future Maritime Advanced Analytics business scenarios**
- **The definition of KPIs for the future operational tool(s)**



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