Towards a data commons:

Imagery and derived data from Uncrewed Aerial System (UAS)

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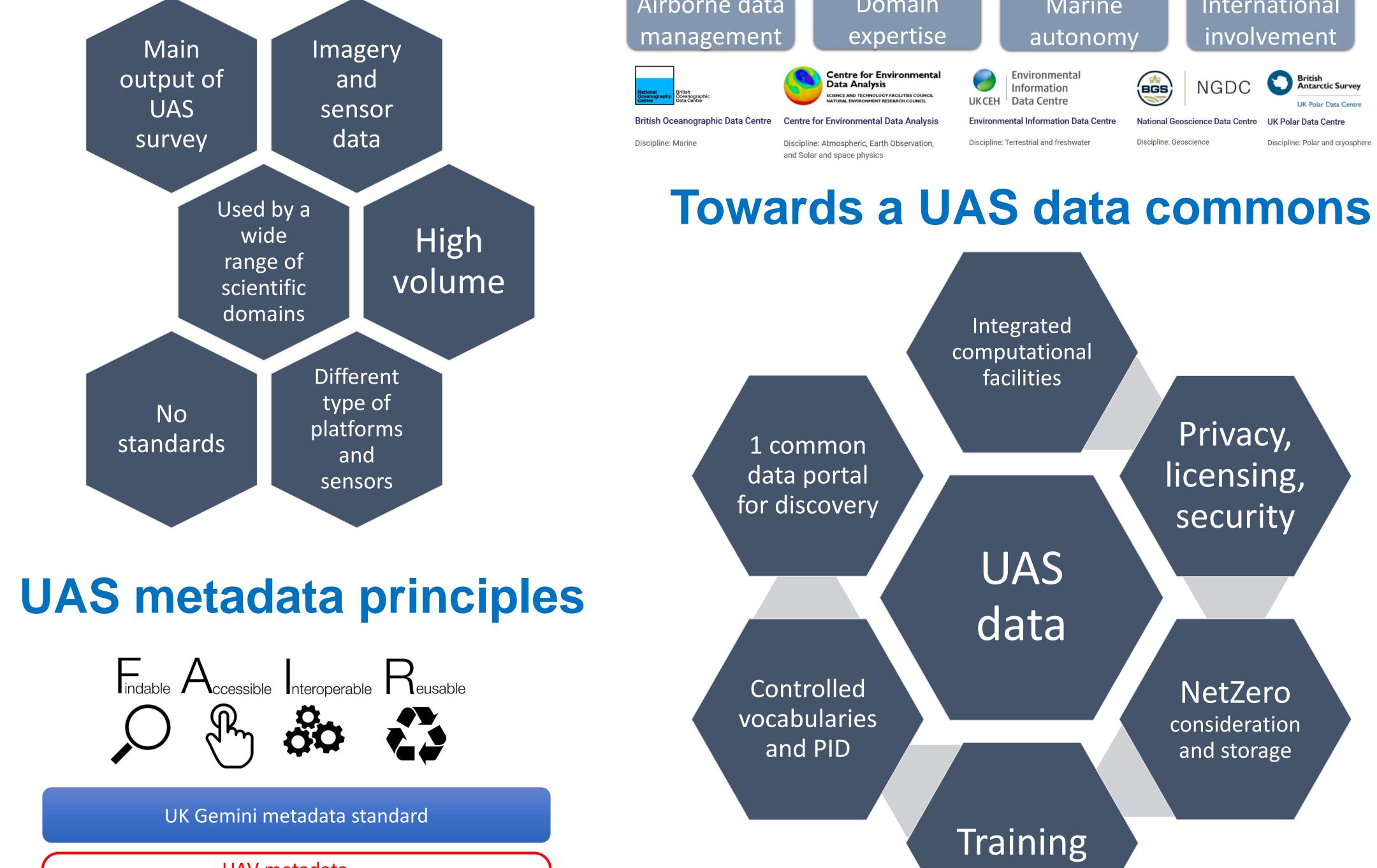
Abstract

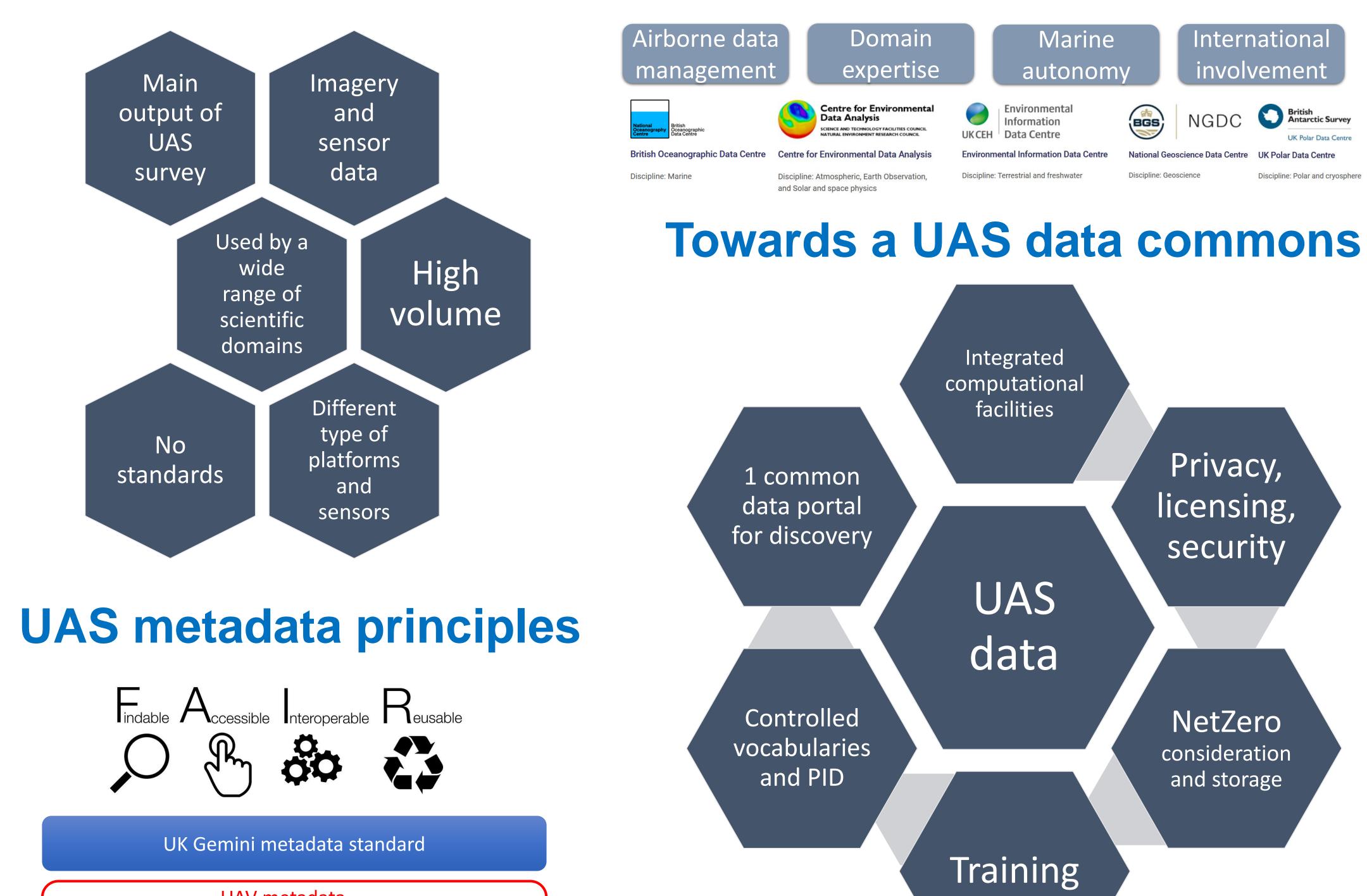
The use of Uncrewed Aerial Vehicles (UAV) for scientific purposes has significantly increased in the last 10 years and opens the doors to new scientific discoveries. It is now a cost-effective way to collect data that are used in a large range of environmental research studies. However, the lack of UAV data management best practices, and the lack of open hardware and software tools, limits the full potential reuse of these data.

The NERC Environmental Data Service (EDS), a trusted UK facility providing data stewardship services ensuring environmental data of long-term value are findable, accessible, interoperable and reusable (FAIR), is developing recommendations on how to best collect and manage UAV data to reach their full reuse potential.

In this poster, we showcase the challenges and opportunities that exist with regards to the stewardship aspects of UAV data and invite users to take part in a survey to better understand their usage and requirements for managing UAV data.

UAS data characteristics Expertise from the NERC EDS



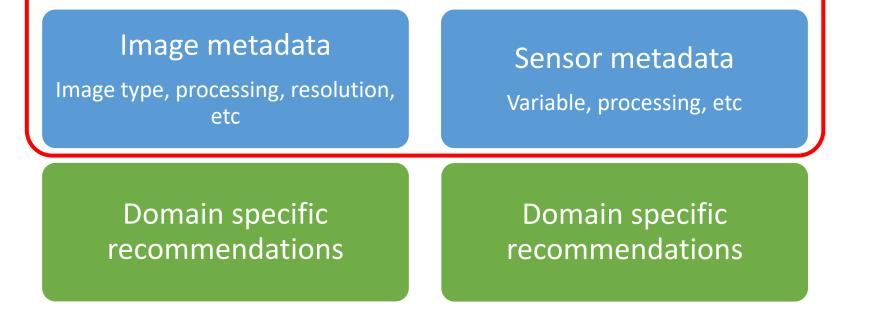




UAV metadata

Common UAV metadata

including information about the platforms (payload, stability), the sensors, the calibration parameters, the project so the community can assess the guality, and understand the potential bias of the data.



Interested in UAS data, take part in our survey:

The survey will help identify the key metadata for describing UAS data.

https://forms.office.com/e/w3RUXtgZ40



