# Scaling metadata catalogues with web-based software version control and integration systems Tara Keena, Adam Leadbetter\*, Andrew Conway, Will Meaney Marine Institute, Rinville, Oranmore, Galway, Ireland \*adam.leadbetter@marine.ie

The ability to access and search metadata for marine science data is a key requirement for answering the "findability" aspect of the Findable-Accessible-Interoperable-Reproducible principles of data management (Wilkinson et al., 2016). It is also vital in meeting domain-specific or community defined standards and legislative needs placed on data publishers. Appropriate cataloguing with the storage and publication of descriptive metadata for end users to query online is a necessary step to enable this requirement.

With observing systems constantly evolving and the number of platforms and sensors growing, the volume and variety of data is constantly increasing. Therefore metadata catalogue volumes are also expanding. The ability for data catalogue infrastructures to scale with data growth is a necessity, without causing significant additional overhead, to data publishing facilities. A potential solution for maintaining scalable data catalogues and hosting a variety of file types, all with minimal overhead costs, is proposed below.

Marine Institute Data **Catalogue (Leadbetter** et al., 2020)





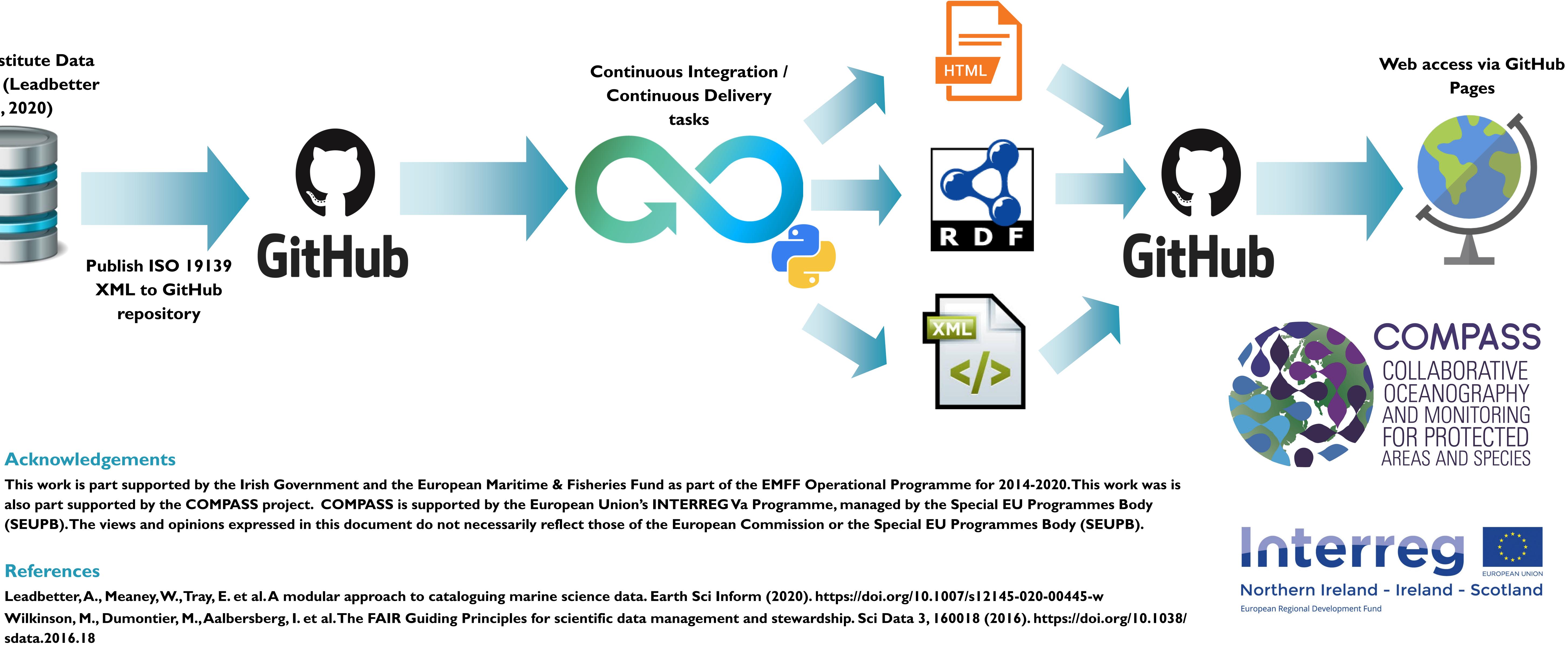
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## References

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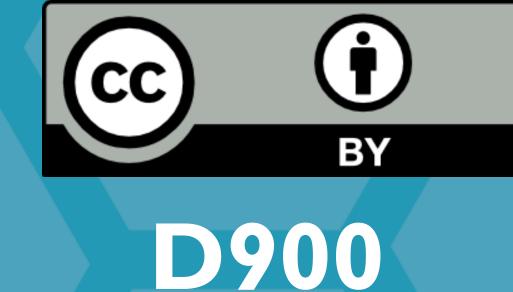


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