

## How open science helps your research, and how VLIZ can help you

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Open data science is becoming more and more a norm in scientific research. Public funding agencies on all levels require data management plans that describe how research data will be archived and shared. More and more scientific journals require that the data upon which a paper is based is accessible and that the analysis is reproducible. In the near future, the requirements for open data science will even increase.

The trend towards open science can also help you as a researcher. Your research projects will benefit from applying open science principles as they: make research data discoverable, safeguard your data now and in the future, foster collaboration, and make research more efficient as other scientists can use your data in other projects. In other words, data will become FAIR: Findable, Accessible, Interoperable, Reusable. Each step towards open science brings benefits.

The downside is that applying these principles require some extra time and effort. And this is how the Flanders Marine Institute (VLIZ) can help. We are adopting the open science principles and are supporting marine researchers with (i) managing and storing their research data and (ii) storing their publications. The Marine Data Archive (MDA) is an online repository specifically designed to archive and publish marine data files, enabling individual researchers, research groups, and project consortia to store, preserve, document, and share their data. The Open Marine Archive (OMA) repository provides permanent and free access to digital publications on marine, estuarine and coastal topics.

All researchers are encouraged to use these services to archive and publish their data, and to share their scientific publications to foster collaboration within the Marine Science Community.

Keywords: Open science; Open access; FAIR data principles; Repository