



# 13-11 YDAS

## Newsletter 3

**Basic Concepts and generalisation of the Project framework towards standardisation and transferability.**



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## Project framework towards standardisation and transferability

Standardisation plays a vital role in ensuring consistency and quality across various industries. It creates a common framework that allows different products, services, and systems to work together smoothly, which is essential for reducing complexity and enabling global trade. By following established standards, organizations can improve efficiency, drive innovation, and ensure that their offerings are safe and reliable. Additionally, standardisation helps build consumer trust and supports the widespread adoption of new technologies, contributing to both economic growth and sustainable development.

Standardisation also streamlines the integration of new technologies and findings, reducing duplication of effort and fostering innovation. Moreover, it facilitates the transfer of knowledge and technologies from research to industry, accelerating the development and commercialisation of new products and solutions. Ultimately, standardisation enhances the overall efficiency and impact of R&D projects, driving progress and innovation in a systematic and scalable way.

To assess the standardisation framework in the R3-Mydas project firstly all the standards typically used in the scope of the use cases are collected. Afterwards it is necessary to verify whether they are suitable for the technologies being developed. In this case it is of particular importance to understand the impact of remanufacturing a product and how the standards tackle the effect of that process on the final product. If there are no standards covering the technology/process being developed or if they are incomplete, a recommendation document will be issued to the relevant standardization entities and follow up activities established to address them. On the other hand, if the standard covers all the fields in analysis a compliance report is emitted. These steps are represented in Figure 1.

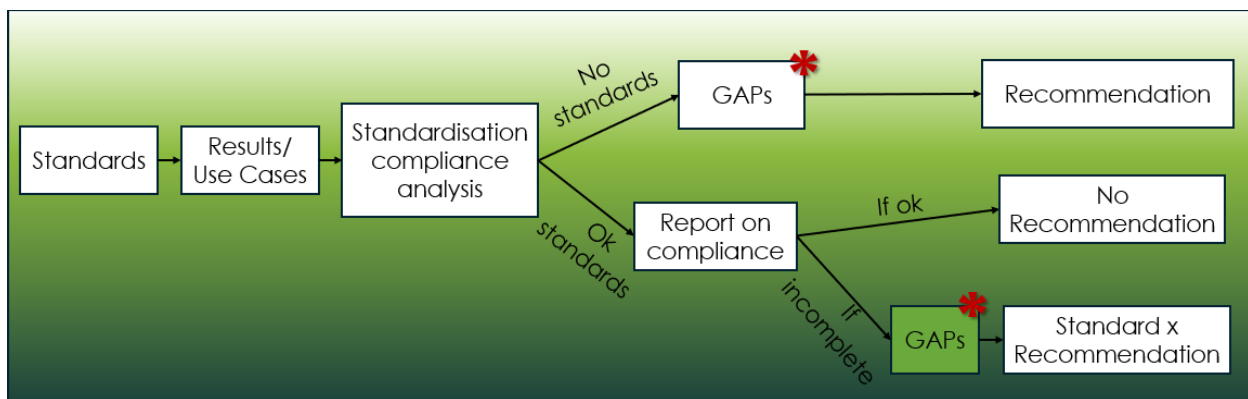


Figure 1 – Scheme of the methodology adopted for standardisation in the R3-Mydas project.

The above analysis is valid not only for use case standards but also for standards regarding transversal topics such as circular economy, and life cycle assessment, amongst others.

At this stage of the project, the standards were collected and are being analysed, with the Oil & Gas study case, in which TMCOMAS is the leader, the one further advanced. In the future months,

the standards' analysis will be deepened in the Wind turbines study case with Flender and electric vehicle batteries study case with AVL.