



## MAGGIE HELLSTRÖM ON BEHALF OF WP6

*shares a report on ENVRI partner FAIRness training, its gap analysis & future plans*

In ENVRI-FAIR, the participating RIs are working together to build sustainable, transparent and trustworthy data services that are compliant to the FAIR principles, while also addressing the needs and requirements of each of the four sub-domains Atmosphere, Marine, Solid Earth and Ecosystems & Biodiversity. To facilitate and guide the service building activities, RI's data center staff require up-to-date and in-depth knowledge on topics ranging from basic FAIR-related subjects, through Research Data Management (RDM) core concepts, to specific IT technologies.

Work Package 6, coordinated by ICOS and Lifewatch, is tasked with providing relevant training to both ENVRI and key ENVRI stakeholder groups. WP6 activities include many aspects of skills building, including analysing training needs and requirements, the preparation of relevant training materials, performing training events and operating the Common Training Platform.

In order to guide the planning and prioritisation of training activities, as well as to avoid duplication of effort, WP6 undertook a combined gap analysis of 1) the perceived needs & requirements for FAIR

training of ENVRI-FAIR partners, and 2) existing relevant training materials developed both by ENVRI and well-established and authoritative RDM institutions.

The gap analysis centered around a set of 22 potential training topics, defined in discussions with representatives from all ENVRI-FAIR subdomains. The figure shows all topics – six covering “general FAIR” concepts (white labels, starting from the right) and 16 related to “RDM technologies” (black labels, from the left). In step one of the gap analysis, all ENVRI-FAIR RIs were asked to fill out a questionnaire, describing their current level of knowledge (from “No knowledge” to “Very knowledgeable”) and estimated need of training (from “Not interested” to “High priority”) for each of the topics. Respondents were also asked to indicate if their organisation could supply trainers, and if they had previously taken part in relevant FAIR skills building activities.

Step two, the survey of existing training resources, was based on web searches and information provided by WP6 partners. The identified resources included courses, tutorials, webinars, self-study texts and presentations from workshops – mostly produced by organisations external to ENVRI-FAIR. The majority of the available materials we found cover “general FAIR” topics, such as introductions to FAIR principles and basic guides on how to assess FAIRness of datasets. We found much fewer training resources covering technological RDM aspects of FAIRness.

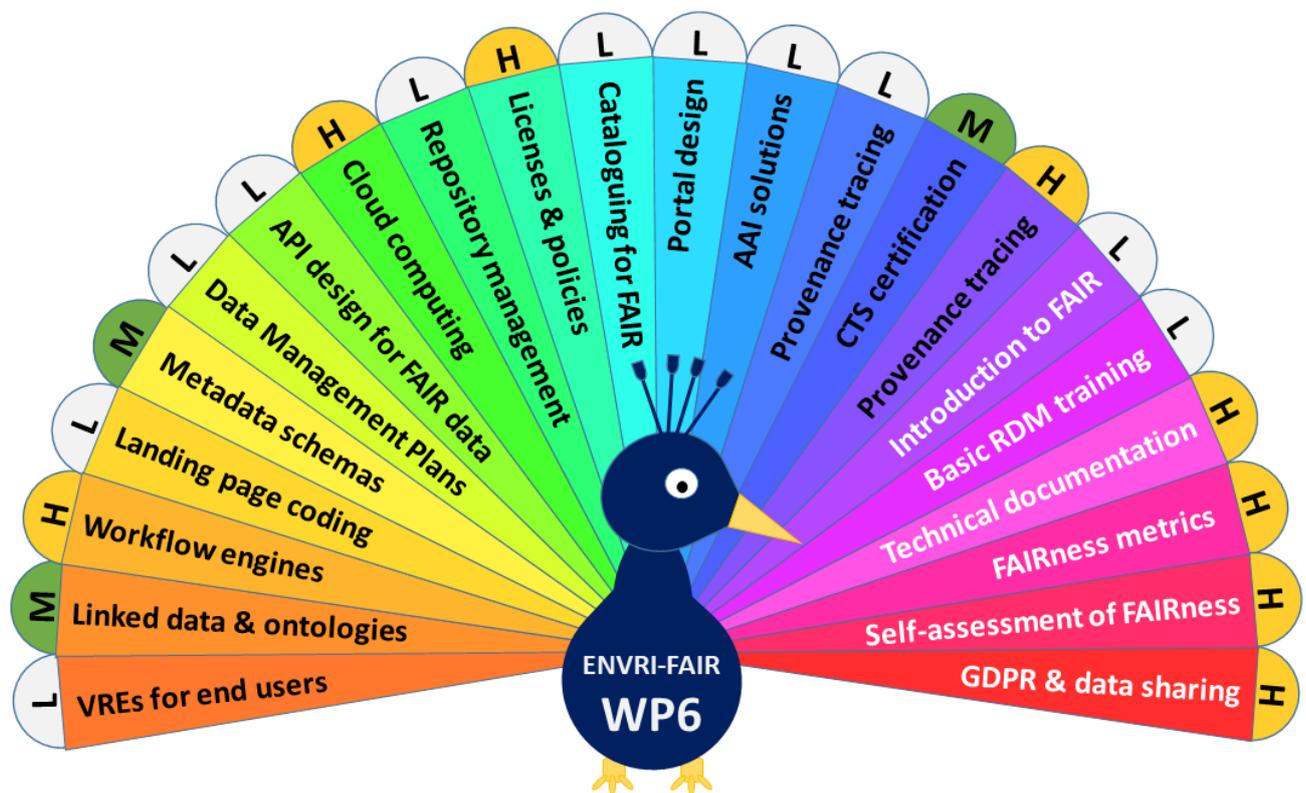
Summarising the questionnaire responses over all ENVRI-FAIR sub-domains, we identified eight topics

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as having high priority – these are labelled with “H” in the figure. A further three topics (labelled “M”) scored high in certain sub-domains, and were thus assigned medium priority. A comparison with the available resources shows that there is a considerable need to develop new training materials (adapted to the ENVRI community) on most of these high and medium priority topics. Details of the analysis are described in deliverable D6.1.

WP6 has started this process and will work together with the four sub-domains to organise skill building activities to address their needs. Examples include a webinar series and face-to-face training events. We are also continuing to update and extend the Common Training Platform that was launched by the ENVRIplus project.



The 22 topics considered in the WP6 gap analysis. White and black labels denote “General FAIR” and “RDM technologies”, respectively. The priority for training, as identified by ENVRI-FAIR partners, is indicated for each topic by H (high), M (medium) and L (low).