

Making Fusion Data FAIR as a prerequisite to using Open Cloud Resources

Monday, 2 November 2020 16:00 (15 minutes)

The EOSC, together with EUROhpc, provides potential opportunities in terms of scalability and flexibility which have never previously been available to European researchers, including those involved in the fusion community. For this community, the uptake of resources provided by the cross infrastructure projects, including those provided by EGI and EUDAT has been hampered by a number of policy, political and infrastructure related issues. However, recent drives by EUROfusion and some national funding agencies are starting to bridge these issues. While issues related to federated storage, particularly for Long Term Archival, will remain an issue as much data will remain commercially sensitive and have restricted access, the potential use of external HPC and cloud resources offer the community access to larger scale and newer technologies. In this presentation we will present what the community is doing to enable use of resources and look at some preliminary investigations which have been performed, as well as look at future opportunities in the computational and workflow areas, including increased uptake of cloud facilities making use of the planned FAIR data portal for Fusion.

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Session Classification: Data Management Solutions - Part 1