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The building of the EUDAT Cross-Disciplinary Data Infrastructure

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The EUDAT project is a European data initiative that brings together a unique consortium of 25 partners – including research communities, national data and high performance computing (HPC) centers, technology providers, and funding agencies – from 13 countries. EUDAT aims to build a sustainable cross-disciplinary and cross-national Commom Data Infrastructure (CDI) that provides a set of shared services for accessing and preserving research data. The design and deployment of these services is being coordinated by multi-disciplinary task forces comprising representatives from research communities and data centers.
One of EUDAT‘s fundamental goals is the facilitation of cross-disciplinary data-intensive science. By providing opportunity for disciplines from across the spectrum to share data and cross-fertilize ideas, the CDI will encourage progress towards this vision of open and participatory data-intensive science. EUDAT will also facilitate this process through the creation of teams of experts from different disciplines, aiming to cooperatively develop services to meet the needs of several communities.
Five research communities joined the EUDAT initiative at the start - CLARIN (Linguistics), ENES (Climate Modeling), EPOS (Earth Sciences), LifeWatch (Environmental Sciences – Biodiversity), VPH (Biological and Medical Sciences). They are acting as partners in the project, and have clear tasks and commitments. Since EUDAT started on the 1st of October 2011, we have been reviewing the approaches and requirements of these five communities regarding the deployment and use of a cross-disciplinary and persistent data e-Infrastructure. This analysis was conducted through interviews and frequent interactions with representatives of the communities. In this talk will be provided an updated status of the current CDI with specific refernce to the solid Earth science commnity of EPOS.