Making data and cloud resources interoperab EGI services

Sara Garavelli on the close collaboration between EUDAT an EGI

From 22 to 25 January 2018, Porto hosted over 230 participants of EUDAT's Conference "Putting the policy makers, service providers and research communities representatives from 25 countries workin

The conference was opened by Augusto Burgueño Arjona, Head of the eInfrastructure Unit of the Di Content and Technology (DG CONNECT), who presented EOSC as an open science instrument suppo research infrastructures: "*EOSC has to be an inclusive ecosystem where horizontal and thematic serv*

The discussion on how to put the EOSC vision into practice was addressed with a set of breakout ses economy. The topics approached were in the range of: interoperability of services, the role of researc business models and sustainability of data infrastructures, legal issues.

One of the sessions was dedicated to the results accomplished by the collaboration between EGI an **cross-infrastructure offering seamless access to data and high-throughput computing resourc** user communities in the design process. This helped both EGI and EUDAT to better shape their servic

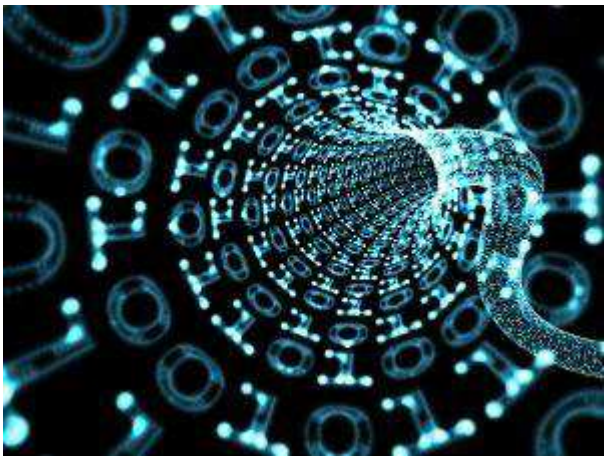
Two major use cases were brought in by the ICOS and ENES research communities.

The ICOS use case focused on the new web-based service offered on the ICOS Carbon Portal to per Lagrangian Transport (STILT) atmospheric transport model calculations. The input data consists of me on greenhouse gas emissions (from EDGAR), and atmospheric observations (from ICOS and other so concentrations of greenhouse gases and their resulting footprints at selected locations. The data wa B2STAGE and B2SAFE services and other network file management systems, while the production m services.

The ENES use case addressed the volume increase of the climate data archive by employing the EUD API, in combination with EUDAT B2 services, and interfacing with the EGI Federated Cloud. Post-proc

sent back to be displayed and further processed at the IS-ENES platform. They can also be downloac products via a simple website interface. The input data – typically Coupled Model Intercomparison P downloaded locally by climate impact researchers and makes room for a more sustainable data work

To conclude, the session at the EUDAT conference was a great opportunity to present examples of t generic and thematic service providers in their effort to support researchers' needs.



More information

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