DEEP - Hybrid-DataCloud

PROJECT COORDINATOR

The **Designing and Enabling E-infrastructures for intensive Processing in a Hybrid DataCloud** (**DEEP-Hybrid-DataCloud**) is project funded by the European Union's Horizon 2020 research and innovation programme under grant agreement No 777435. The key concept proposed in the **DEEP-Hybrid-DataCloud** project is the need to support intensive computing techniques that require specialized HPC hardware, like GPUs or low-latency interconnects, to explore very large datasets. A Hybrid Cloud approach enables the access to such resources that are not easily reachable by the researchers at the scale needed in the current EU e-infrastructure.

We also propose to deploy under the common label of "DEEP as a Service" a set of building blocks that enable the easy development of applications requiring these techniques: deep learning using neural networks, parallel post-processing of very large data, and analysis of massive online data streams . These services will be deployed in the project testbed, offered to the research communities linked to the project through pilot applications, and integrated under the EOSC framework, where they can be further scaled up in the future

https://deep-hybrid-datacloud.eu