



Data-Clouds: INDIGO, XDC and DEEP

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New developments in cloud-related technologies are becoming more and more popular within the scientific community. Furthermore, the Cloud Computing paradigm abstract the computing complexity to the users, deploying user-friendly environments to perform sophisticated processes. A successful project, INDIGO-DataCloud, exploit this kind of computing resources in a data-driven environment, where users have access to storage and data management solutions as well as specific software packaged on containers that can be integrated with an orchestrator.

Two project follow-up have been approved recently and funded by the European Commission, XDC and DEEP, which aim to develop new kind of features to provide the users with an extended list of complex resources (use of GPGPUs, big data management tools, etc.) over a user-friendly environment.

This PICO talk will present the developments of the different projects at different levels (middleware, interfaces, infrastructure and storage management), which facilitate the use of Cloud resources to Earth Science researchers.