The European Open Science Cloud (EOSC) concept and its impact on Research Infrastructures

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According to the European Commission vision the EOSC will be developed as a data infrastructure commons represented as an ecosystem of infrastructures. It will be built by federating existing resources across national data-centres, European e-infrastructures and research infrastructures, as well as by increasing capacity through acquisition of resources to be offered on a pan European level by EOSC operators. This has been clearly stated during the EOSC Summit held in Brussels on June 12th 2017.

In order to participate to the implementation of the EOSC vision, architecture and operation, the Research Infrastructures must develop a suitable and effective functional architecture allowing the identification of the resources to be offered and the requirements to be proposed.

EPOS IT-architecture (figure) is suitable to this undertaking and its current developments will allow the EPOS team to test effective contributions to data science following FAIR principles, as well as to the adoption of procurement policies for facilitating the access to computational resources.