Stakeholder Workshop
European Open Science Cloud (EOSC)

Flash presentation on
vision, mission, challenges solutions and contribution

The Danish e-Infrastructure Cooperation (DeIC) is the national provider of research e-Infrastructure to Danish research, endorsed by the Danish Ministry of Higher Education and Science, and co-financed by the ministry and the 8 Danish universities.

30 November 2015
Vision with regard to EOSC:

By 2019 current vendor cloud storage and cloud compute solutions are rendered obsolete by public alternatives, which are robust and user-friendly and have a fair and cost-effective financing model.

Mission with regard to EOSC:

To ensure that Danish universities can offer their researchers e-infrastructures which meet the highest international standards, while still retaining physical security and economic control over the e-infrastructures.

Challenges with regard to EOSC:

Insufficient critical mass, competence, organisational and political coherence to pursue a major software development task at national level, while lacking confidence in the organisational-, governance- and business models hitherto seen within the EC project models at European level.
Solutions and contribution with regard to EOSC:

• Initially, it must be acknowledge that the basis of any EOSC is cloud storage and cloud compute research e-Infrastructure. I.e. EOSC must be defined in very concrete terms.

• It must be acknowledge that neither universities, nor national e-infrastructure providers or EC projects, have an adequate track record within software development, which could justify a significant role in such a challenging middleware and software development endeavour.

• Present European e-Infrastructure provider projects (EUDAT, LIBER, OpenAIR, EGI, GÉANT etc.), being based on national e-Infrastructure providers, should therefore have only a very subordinated role, if any at all.

• Pending its more precise definition, EOSC must, consequently, be pursued through a slow build-up of a joint European (ESFRI or Airbus style) software developer, with a strong board, director, management and budget.

• National research e-Infrastructure providers, or their owners, should finance the EOSC organisation, with adequate assistance of EC.