

The Helix Nebula Initiative & PICSE:

Towards a European Open Science Cloud

The establishment of a European Open Science Cloud will enable digital science by introducing IT as a Service to the public research sector in Europe.

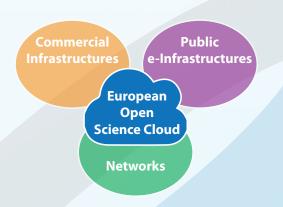
The rationale calls for a hybrid model that brings together public research organisations and e-Infrastructures with commercial suppliers to build a common platform offering a range of services to Europe's research communities.

The exploitation platform will make use of, and cooperate with, existing European e-infrastructures by jointly offering integrated services to the end-user.

This hybrid public-commercial cloud model represents a significant change from the status-quo and will bring benefits for the stakeholders: end-users, research organisations, service providers (public and commercial) and funding agencies.

Towards the Open European Science Cloud paper





The Helix Nebula – The Science Cloud Initiative (www.helix-nebula.eu) is a public-private partnership that has built a hybrid cloud to create a growing ecosystem for innovation.

PICSE, Procurement Innovation for Cloud Services in Europe (www.picse.eu), supports the initiative by addressing the challenges of procuring cloud services in the research sector.



European open science cloud is one of the ERA's priorities as part of the EC's strategy for the single digital market.

How we are supporting the **European Open Science Cloud**

The HNX Marketplace

A European Cloud Marketplace service compliant with EU regulations and legislation. The marketplace is based on collaboration between commercial providers and public e-Infrastructures.

It is the first **hybrid federated European cloud** with an initial set of services and suppliers.



The PICSE Wizard

Procurement in the public sector is bound by procedures & unfit for the dynamic, on-demand and elastic nature of cloud services. PICSE has created a web-based tool supporting public research organisations procuring cloud services & self-assessing their procurement process.



About Helix Nebula & PICSE

Helix Nebula - the Science Cloud Initiative is a partnership between industry, space and science to establish a dynamic ecosystem, benefitting from open cloud services for the seamless integration of science into a business environment. This federation includes both European public and commercial assets as a way of increasing innovation and impact the economy with public investment. Today Helix Nebula includes more than 40 public and private partners http://www.helix-nebula.eu/about-us/helix-nebula-partners.

PICSE receives funding from the EU Framework Programme for Research and innovation H2020 under grant agreement No 644014 and is operated by three members of the Helix Nebula – The Science Cloud Initiative: CERN, the Cloud Security Alliance, Trust-IT Services.

Be part of the European Open Science Cloud: become a member of the Helix Nebula Initiative

If you are a public or private research organisation dealing with massive IT requirements, you can join Helix Nebula and exploit the services offered by the HNX marketplace. If you are a European Cloud Providers, large organisation or SME, you can join the federation to extend your customer base, increase your knowledge and improve your offer thanks to the continuous dialogue with demand and supply sides.



Join Now! http://www.helix-nebula.eu/become-new-member