The Helix Nebula Initiative

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

This federation includes both European public and commercial assets as a way of increasing innovation and impacting 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](http://www.helix-nebula.eu/about-us/helix-nebula-partners).

7th General Assembly hosted by EMBL in Heidelberg in Jan 2016 to advance planning of open science cloud with all stakeholders [https://indico.cern.ch/e/HNI_GA7](https://indico.cern.ch/e/HNI_GA7)

The preferred model for public research organisations is a hybrid cloud that combines in-house resources with public e-infrastructures and commercial cloud services.
HNSciCloud Joint Pre-Commercial Procurement

The group of buyers have committed
• >1.6M€ of funds
• Manpower
• Applications & Data
• In-house IT resources

To procure innovative IaaS cloud services integrated into a hybrid cloud model
• Commercial cloud services
• European e-Infrastructures (GEANT+EGI)
• In-house IT resources

Procured services will be made available to end-users from many research communities

Co-funded under H2020 grant 687614
Jan 2016 to June 2018

Bob Jones, CERN