



COMPUTING

A CLOUD FOR EUROPEAN RESEARCH

The INDIGO-DataCloud project, has been approved by the European Commission within the scope of Horizon 2020 and will be financed with 11 million euros in 30 months. The project, coordinated by the Italian Institute for Nuclear Physics (INFN), will bring together 22 institutions and major companies from 11 different European countries, with the objective of developing a new CLOUD software platform for scientific research. Davide Salomoni of INFN-CNAF in Bologna and Principal Investigator of INDIGO, says: "With this project our efforts will focus on building a software platform which will be completely free of charge and open source, able to operate on both public as well as private network infrastructures. We will thus be able to respond at the same time to the calculation, processing or data storage needs of researchers in a wide spectrum of disciplines, without having to rewrite the software from scratch each time." This will build on the experience acquired during the development of the European Grid Infrastructure (EGI), which interconnects hundreds of computing centres across Europe via grid computing technologies and which was created to store, distribute and analyse, among others, the hundreds of millions of gigabytes of scientific data produced by the Large Hadron Collider (LHC) at CERN. ■