

The Spanish Supercomputing Network will store data from scientific research that use and share large amounts of information

The first call for data services of the RES allocates 7.5 Petabytes of data storage to 18 research projects

The initiative will allow addressing problems from multiple scientific disciplines that use Artificial Intelligence and / or massive amounts of data

The Spanish Supercomputing Network (RES, from Red Española de Supercomputación) will provide storage capacity for the first time to researchers who need to use large amounts of data and who are willing to share them with other members of the scientific community.

In its first call for data services, the RES has granted 7.5 Petabytes (one Petabyte equals one thousand Terabytes) of storage to 18 projects from disciplines as diverse as genomics, molecular biology, chemistry, astrophysics, climate analysis and forecasting, and artificial intelligence.

The evaluation of the projects submitted to this call has taken into account their scientific excellence and also the plans for preservation, improvement and sharing of data. Storage has been granted for periods of three to five years, subject to annual reviews of compliance with the data management plan. In some cases, computing capacity has also been granted to enable the analysis, improvement and maintenance of the stored data.

Through this call, the RES complements the access to computing resources offered since 2007 to the scientific community, with around 600 million computing hours per year. The objective of these enhancement is to address new challenges in scientific research that uses Artificial Intelligence and / or massive amounts of data.

The data of the 18 projects that will benefit from this first call will be stored in the infrastructures of Barcelona Supercomputing Center-Centro Nacional de Supercomputación (BSC-CNS), Centro de Supercomputación de Castilla y León (SCAYLE), Consorci de Serveis Universitaris de Catalunya (CSUC), Fundación Pública Galega Centro Tecnolóxico de Supercomputación de Galicia (CESGA), Instituto Astrofísico de Canarias (IAC) and Port d'Informació Científica (PIC), all nodes of the Spanish Supercomputing Network.

The resolution of the call and the details of the projects and services awarded are available at the following link: <https://res.es/en/access-to-res/results-calls>

About the Spanish Supercomputing Network

The Spanish Supercomputing Network (RES, from Red Española de Supercomputación) is a *Unique Scientific and Technical Infrastructure (ICTS)* distributed throughout Spain, composed of 14 nodes interconnected with high-speed networks. The mission of the RES is to offer the necessary services and resources to support the development of top-quality, cutting-edge and highly-innovative research projects.

The RES, coordinated by the Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS), makes available High-Performance Computing services on 16 supercomputers managed by 13 of its nodes and, more recently, RES offers data management and archival services as well in 9 of its nodes. These services and resources are available to the scientific community through competitive calls based on the scientific excellence of the proposals received.