The ARCHIVER project has initiated an early adopters program which allows organisations with requirements in research data archiving and long term preservation, from either a policy, supply or demand perspective, to Help shape the R&D carried out in the project and test the solutions developed.

The following organisations already expressed their interest:

- » Jisc (National Research and Education Network in the United Kingdom)
- » SURFsara (National Research and Education Network in The Netherlands)
- » SWITCH (The Swiss National Research Network)
- » King Abdullah University of Science and Technology (SA)
- » CRG (Centre for Genomic Regulation) (ES)
- » CNAG (Centre Nacional Anàlisi Genòmica) (ES)
- » Friedrich Miescher Institute for Biomedical Research (CH)
- » Stockholm University (SE)
- » Science and Technology Facilities Council (STFC) representing the Diamond Light Source collaboration (UK)
- » European Institute of Oncology (IT)
- » Australia's Academic and Research Network (AARNet) (AU)
- » Australian Research Data Commons (ARDC) (AU)

Learn more:

archiver-project.eu/early-adopters-programme

Find a partner

The R&D objectives of the ARCHIVER tender are challenging and the project team encourages companies/organisations to combine their skills and resources to form viable consortia to achieve the results.

www.archiver-project.eu/find-partner

Download and read the draft tender documents

Get ready for the tender launch

ARCHIVER
HELIX NEBULA
ARCHIVING AND PRESERVATION FOR RESEARCH ENVIRONMENTS

Towards "research ready" commercial services for data archiving and preservation

Timeline

Results Announcement

| Tender Public for 60 days (Companies are invited to bid) | Review of the Bids | Design Phase |

Closing of the Tender

DEC 2019 — JAN 2020 — FEB 2020

This timeline is for information only and is subject to change

EUROPEAN OPEN SCIENCE CLOUD

www.archiver-project.eu @ArchiverProject /company/archiver-project
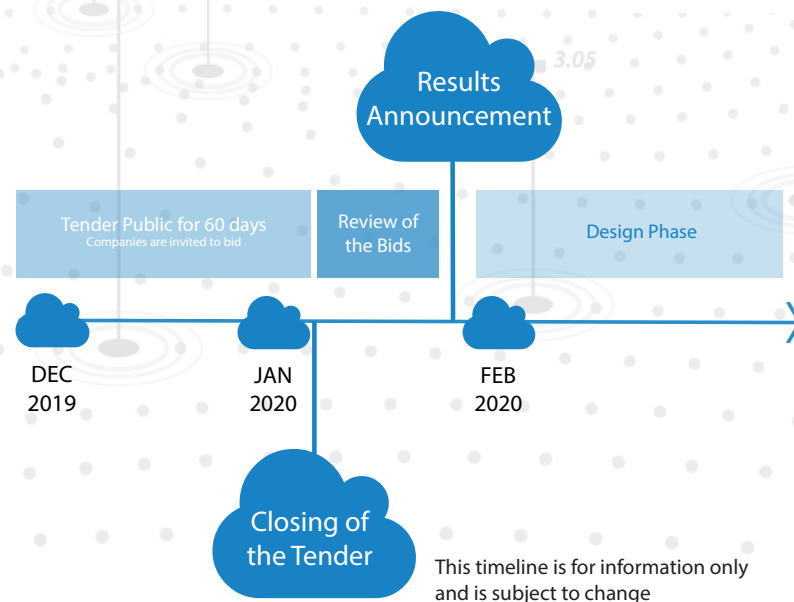
Currently, many research projects cannot manage their data, as the archiving and preservation services are inadequate and fall below expectations while data stewardship costs are frequently underestimated during the planning phase.

Acting as a collective of procurers, the ARCHIVER consortium aims to create an eco-system for specialist ICT companies active in archiving and digital preservation, willing to introduce innovative services capable of supporting the expanding needs of research communities, under a common innovative procurement activity for the advanced stewardship of publicly funded data in Europe. These innovative services will be ready to be commercialized and will become part of the catalogue of the European Open Science Cloud, by December 2021. **These services, ensuring the long-term preservation of scientific data and turning it FAIR, are among the five types foreseen on the EOSC Strategic Implementation Plan.**

ARCHIVER for EOSC

Using the PCP instrument and building on the results of recent award-winning projects, ARCHIVER's goal is to fulfil these data management promises in a multi-disciplinary environment, allowing each research group to retain responsibility and stewardship of their data whilst leveraging best practices, standards and economies of scale.

EUROPEAN OPEN SCIENCE CLOUD

Specifically, ARCHIVER will provide:

» **"Research ready" commercial services** for data archiving and preservation, co-designed, co-developed and co-tested by the research community partnering with industry.

» **Trustworthy repository services with a transparent business model,** building on the experience of award-winning HNSciCloud project. Innovative models as requirement and demand aggregation through Buyers Groups and the use of vouchers as an incentive to turn research data FAIR.

» **"Rules of Participation"** at the technical, legal and financial level, for the private sector in the ARCHIVER project.

The ARCHIVER Test Validation Suite

To ensure that commercial cloud service offerings conform to the tender requirements and satisfy the needs of the research community, ARCHIVER is assembling a benchmarking and service validation test suite that leverage on the testing activities that took place during the HNSciCloud project.

The test suite is maintained on Github with associated documentation, distributed under the AGPL open source license.

ARCHIVER Pre-Commercial Procurement Tender: A common innovative procurement activity for the advanced stewardship of publicly funded data in Europe.

Through a Pre-Commercial Procurement (PCP) approach and with a total procurement budget of 3.4 million euros, companies active in data archiving and preservation will have the unique opportunity to develop innovative services supporting the expanding needs of research communities.

ARCHIVER will competitively procure R&D services from firms in three stages covering design, prototyping and pilot, over the next 3 years (Jan 2019 - Dec 2021). These services will be ready to be commercialized by the end of the project (December 2021).

ASK YOUR QUESTION

What will be the time period during which contractors have to commercially exploit the results of the PCP before ownership of the results transfers to the Buyers Group?
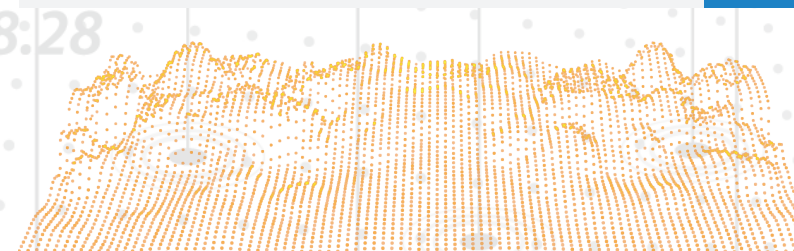
Will the bids submitted to the future Request for Tenders be published?

What is the maximum number of tenderers per phase?

To stimulate an open dialogue with companies interested in the ARCHIVER project, all information given in answers to questions raised by potential suppliers is documented and periodically published on ARCHIVER website.

Do you have any question?
Visit our FAQ page: archiver-project.eu/faq

The test suite design is as modular and autonomous based on open APIs, giving the researcher the option to repatriate all associated data from the commercial cloud provider to Zenodo.

This test suite will be used to validate the technical readiness level (TRL) of suppliers against the community's requirements stipulated in the ARCHIVER tenders.

What will be procured

Research and Development ("R&D") services are procured by public research organisations to develop hybrid end-to-end archival and preservation services, cost-effective for with demonstrated performance for volumes of data generated in the tens of petabyte with high, sustained ingest rates (1-10 Gbps per day).

The innovative solutions developed will address the following challenges:

» Flexible, Hybrid deployment models with exit strategies tested in practice in several research domains

» Network Connectivity & Federated Identity Management

» Following best practices as foreseen in the OAIS reference model and CoreTrustSeal certification

» Provision of transparent Business Models taking into account the specificities of long-term data preservation in the research domain, such as public procurement cycles and research grants periods.

How it will be procured

Tenderers will be selected through an open and competitive procurement process. This PCP will proceed in three phases:
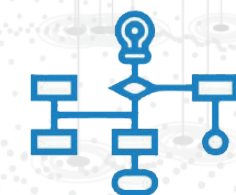
PHASE 1

Solution Design: Produce an architecture and technical design of components of the solution.

PHASE 2

Prototype Implementation: building prototypes and make them accessible to CERN, DESY, EMBL, PIC. Basic functionality tests will be performed by IT specialists from the above listed Group of Buyers.

PHASE 3

Pilot Deployment: deployment of expanded pilots. Further testing performed and a range of demanding applications deployed. Service payment models will be explored.

Each phase of the PCP will be competitive.