

LABDRIVE: A Research Data Management and Preservation Platform

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LABDRIVE is a Research Data Management and Digital Preservation platform powered by LIBNOVA that focuses on scientific datasets. LABDRIVE allows organizations to transition from a siloed approach in which each series of datasets, departments or units is using multiple, disaggregated systems to keep content to a single repository that can adapt to the particularities of each dataset, unifying all content into a single platform. The platform, resulting from the EU R&D ARCHIVER Project, works for organizations both with a few gigabytes of data, to organizations managing several petabytes. Digital preservation principles are always present, so Data protection comes first. The platform is fully aligned with OAIS, ISO 16363, and presents a variety of redundant checks and processes for safeguarding valuable research data. LABDRIVE is primarily oriented towards research-intensive scientific and academic institutions that need to preserve research projects, working objects as well as associated tools (datasets, software tools, etc.). With LABDRIVE, R&D organizations can keep the research data they produce for the long term, in a single platform. Researchers can manage their research datasets with the best tools, adopting good practices for digital preservation and also keeping code and data together in one single platform during the lifecycle, independently of functionality, protocols and featured needs. The purpose of this lightning talk is to introduce the main features of LABDRIVE as well as explain how it works.

About the author:

Teo Redondo is the CTO and Head of Research & Development at LIBNOVA, where he leads several innovation projects about Digital Preservation solutions for Libraries, Archives and Museums, and Research institutions, and also leads LIBNOVA Research Labs for the areas of future functionalities, mostly around implementing Artificial Intelligence techniques for better handling of research data and content.