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Managing an Institutional Repository with CDS Invenio

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CERN has long been committed to the free dissemination of scientific research results and theories. Towards this end, CERN's own institutional repository, the CERN Document Server (CDS) offers access to CERN works and to all related scholarly literature in the HEP domain. Hosting over 500 document collections containing more than 900,000 records, CDS provides access to anything from preprints and articles, to multimedia information such as photographs, movies, posters and brochures. The software that powers this service, CDS Invenio, is distributed freely under the GNU GPL and is currently used in approximately 15 institutions worldwide.

In this paper, we discuss the use of CDS Invenio to manage a repository of scientific literature. We outline some of the issues faced during the lifecycle of a document from acquisition, processing and indexing to dissemination. In particular, we focus on the features and technology developed to meet the complexities of managing scientific information in the LHC era of large international collaborations each of which has its own distinct needs and requests.

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