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Evolution of Data Storage and Handling at Italian WLCG Data Center

The Italian WLCG Data Center which is hosted and managed by National Center of INFN for Informatics and Telecommunications (CNAF) located in Bologna, is the one of the biggest European computing centers for WLCG. Operational since 2005 it provides storage resources for all the Large Hadron Collider (LHC) experiments, as well as for many other scientific collaborations. In 12 years of operations with increasing demands and growing resources the data storage and handling services underwent some evolutionary changes. Here we will discuss our experience we have collected during this years and will present our vision for future developments in the Data Storage and Handling services for WLCG-oriented sites.

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