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## Experiences with Data Indexing services supported by the NorduGrid middleware

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The NorduGrid middleware, ARC, has integrated support for querying and registering to Data Indexing services such as the Globus Replica Catalog and Globus Replica Location Server. This support allows one to use these Data Indexing services for for example brokering during job-submission, automatic registration of files and many other things. This integrated support is complemented by a set of command-line tools for registering to and querying these Data Indexing services.

In this talk we will describe experiences with these Data Indexing services both from a daily work point of view and in production environments such as the Atlas Data-Challenges 1 and 2. We will describe the advantages of such Data Indexing services as well as their shortcomings. Finally we will present a proposal for an extended Data Indexing service which should deal with the shortcomings described. The development of such a Data Indexing service is being planned at the moment.

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