

Data transfer between storages with different protocols by Data Avenue

**Description of content and intended audience
- the outcome you expect to achieve.
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During the Data Avenue demonstration visitors can see how the Data Avenue interface looks like. The usage will be demonstrated by transferring files between storage resources that use different protocols and by uploading and downloading data from different storage resources using the Data Avenue service.

The intended audience is anyone who has ever had to transfer data for an e-science application and had difficulties with the data transfer, for example because the data was moved between different DCIs or storage resources that use different protocols.

The expected outcome of the demonstration is that visitors will understand the reasons why Data Avenue would be an essential tool for everyone who is dealing with data transfer between storage resources that are accessible with different tools through different protocols.

Preferred Day if any (Demos - Mon, Tue, Wed)

Tuesday

Relevant URL (if any)

<https://data-avenue.eu/>

**Printable summary: this is the only
 section of the abstract that will
be published in the Book of Abstracts.**

Some of the data that scientists use for their e-science applications might be stored on different storage resources, making it difficult for them to browse, access or update it. Different protocols are accessible with different tools, some with ergonomic user interface, but some with only command-line interfaces. Data Avenue was created to ease the life of scientists by the widespread support of protocols, enabling the easy data moving between various DCIs (such as grid, cloud, cluster, supercomputers) storage resources by various transfer protocols (HTTP, HTTPS, SFTP, GSIFTP, SRM).

The Data Avenue operation is similar to a file commander tool: using Data Avenue, you can up- and download your data to storage services for scientific computation. Additionally, you can copy, move and delete files as well as you can create and copy folders. With Data Avenue, there is no need to use a local environment as temporary file storage during transfer.

The demonstration is intended to show the usage of the Data Avenue and highlight the advantages of the service.

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