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VO-level Application Support in EGEE

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1. Short overview

The EGEE Grid infrastructure provides computing and storage resources to dozens of scientific communities from several domains. The applications run on the Grid have different requirements on functionality, processing power and storage space. High energy physics experiments in particular provide a serious challenge for any Grid infrastructure, due to the sheer amount of the data produced and the complexity of the workflows. A very close relationship between the Grid and its users is therefore vital, and it involves several aspects: middleware development, deployment strategies, resource planning, and user training and documentation. This contribution gives an overview on how Grid support at the Virtual Organisation level works in EGEE, and focuses on real-world examples, coming mainly (but nor only) from the experience
developed at CERN in supporting the LHC collaborations. From this experience we will try to extract general messages useful for the project and for other user communities.

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