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WeNMR project: boosting structural biology research with DIRAC services

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The WeNMR Collaboration is a virtual research community which brings together several research teams in structural biology providing a common platform for data analysis and modelling. WeNMR is one of the most active users of the EGI Workload Manager service. User tasks prepared by the WeNMR application portals are submitted to the Workload Manager service which then dispatches them to the currently available grid sites. The pilot job based workload scheduling architecture allows to easily add new resources transparently for the users. It also makes it easy to apply usage policies by defining fine grained priorities to certain activities. In this contribution we will describe how the WeNMR application portals are interfaced to the DIRAC services and provide examples of usage including allocation and accounting of resources for the COVID'19 related studies.

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