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# Connecting WLCG Tier-2 centers to GridKa

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GridKa, the German Tier-1 center in the Worldwide LHC Computing Grid (WLCG), supports all four LHC experiments, ALICE, ATLAS, CMS and LHCb as well as currently some non-LHC high energy physics experiments. Several German and European Tier-2 sites will be connected to GridKa as their Tier-1. We present technical and organizational aspects pertaining the connection and support of the Tier-2s sites. The experiments' computing models and use cases are analyzed in order to design and dimension the storage systems and network infrastructure at GridKa in such a way that the expected data streams can be written and delivered at all times during Service Challenge 4 and the LHC service. The current and planned layout of these systems is described. First results of data transfer tests between GridKa and the Tier-2 sites are shown.

**Primary author:**   Dr HEISS, Andreas (FORSCHUNGSZENTRUM KARLSRUHE)

**Co-authors:**  Mr HOEFT, Bruno (FORSCHUNGSZENTRUM KARLSRUHE);  Dr RESSMANN, Doris (FORSCHUNGSZEN-TRUM KARLSRUHE);  Mr VAN WEZEL, Jos (FORSCHUNGSZENTRUM KARLSRUHE);  Dr HALSTENBERG, Silke (FORSCHUNGSZENTRUM KARLSRUHE)

**Presenter:**   Dr HEISS, Andreas (FORSCHUNGSZENTRUM KARLSRUHE)

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