

DesktopGrid Applications in Asia

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In Asia, Desktop Grid system is substantial to complement Service Grid in some sense. Instead of targeting on big science, it is more essential to fight for emerging topics such as natural disaster mitigation, diseases, and cultural heritage preservation etc. Conducting by EGEE Asia Federation and EUAsiaGrid, regional e-Infrastructure and many e-Science collaborations are in stable operation. Some exemplar applications like avian flu and dengue fever drug discovery, earthquake disaster mitigation and typhoon simulation have been available to support research activities. ASGC has established BOINC-based Desktop Grid solutions and launched several pilot applications integrated with Service Grids, in collaboration with the EDGeS project. In DEGISCO collaboration, ASGC is extending the stable integrated DG and SG infrastructure to this region and bringing together regional-focused e-Science applications and user communities.

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