

## **Establishing e-Science Infrastructure in Asia**

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Asia Pacific (AP) is one of the most energetic area to develop regional e-Science infrastructure and applications collaboratively. Serving as the only WLCG (Worldwide LHC Computing Grid) Tier-1 center and the EGEE (Enabling Grid for E-sciencE) Asia Federation coordinator in AP area, Academia Sinica Grid Computing Center (ASGC) is conducting the e-Science infrastructure construction and e-Science applications engagement under the EGEE framework from 2004. Through the AP Regional Operation Center (APROC) services, ASGC had supported 20 sites of 8 countries participating to the EGEE global infrastructure since 2005. Based on the experiences of WLCG support, Grid-enabled high-throughput in silico screening against Influenza, and the long-term preservation services, we have been working with AP partners to identify applications with most regional interests and will commence the application integration to gLite from this year. Dissemination and training is another arm for the e-infrastructure extension. In this talk, lessons learned from the works in Asia Pacific region will be presented. Plans for the evolution to a regional production e-Science environment will be reported as well.