

## **National Grid of Taiwan**

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Taiwan has initiated a three-year national project, Knowledge Innovation National Grid (KING), which is to develop an advanced Cyberinfrastructure based on Grid computing paradigm. The project intends to upgrade the backbone of Taiwan academic research network with optical fiber circuited around the island. Major high-performance computing resources are shared through this backbone. Grid applications, such as Asthma Grid, Eco-Grid and Flood Forecasting and Monitoring Network etc, are also devised simultaneously to demonstrate its usefulness and impact.

Initial prototypes have been well constructed and tested with supports from domain experts, such as medical doctors and ecologists. First phase of our development has achieved high feasibility towards the realization of the targeted Grid applications as well as shown the potential that such an advanced cyberinfrastructure will bring impact to the academia of Taiwan.