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## **EUAsiaGrid –e-Infrastructure Platform for Asian-Pacific Region**

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EUAsiaGrid is the EU-funded project aiming to bring together researchers from Asia-Pacific region around the distributed infrastructure being built within in the region. The primary purpose of the project is to support researchers willing to perform scientific discovery through advanced computing. In addition, the project is expected to further facilitate the uptake of e-Infrastructure approach.

### **Detailed analysis**

Internally, the EUAsiaGrid project is divided into several work packages responsible for distinct aspects of the overall tasks (dissemination, training, application support). A set of application domains as disaster mitigation, social science, computational chemistry, biomedicine and bioinformatics and high energy physics has been recognized from the beginning of the project thus forming the critical mass of end users who could profit from the EUAsiaGrid. As the regional researchers represent the key element gluing together the fabric infrastructure, underlying services and targeted applications within EUAsiaGrid project, the main focus is to attract all possible users through active search for new application areas that could benefit from the run in distributed environment.

### **Conclusions and Future Work**

Here we present the current state of EUAsiaGrid. Based on the 18 months of existence of the project the current achievements will be presented and discussed. Moreover, the planned advances in the field of sustainability and further globalization of cyber infrastructure will be demonstrated.

### **Impact**

The main purpose of our contribution is to inform about current advances concerning building, maintenance and continuous development of e-Infrastructure within the Asia-Pacific region. To fully utilize the momentum obtained through EUAsiaGrid project, the current activities are pointed towards a transformation into a completely sustainable and persistent Asia-Pacific e-Infrastructure, fully integrated into the global grid environment. In short term view, a EUAsiaGrid Roadmap document describing the policies and organizational steps necessary for seamless formation of uniform, multinational digital platform is being formulated. The long term sustainability of the grid infrastructure in the region will be further supported and achieved through the incorporation of EUAsiaGrid into emerging European global grid infrastructure.

### **Keywords**

EUAsiaGrid, grid, distributed computing; roadmap

### **URL for further information**

<http://www.euasiagrid.org/>

**Primary authors:** Dr VOSS, Alex (School of Computer Science, University of St Andrews, United Kingdom); Dr KMUNICEK, Jan (CESNET, z. s. p. o., Zikova 4, 160 00 Praha 6, Czech Republic); Prof. MATYSKA, Ludek (CESNET, z. s. p. o., Zikova 4, 160 00 Praha 6, Czech Republic); Dr PAGANONI, Marco (University of Milano-Bicocca and INFN, Piazza della Scienza 3, 20126 Milano, Italy)

**Presenter:** Dr KMUNICEK, Jan (CESNET, z. s. p. o., Zikova 4, 160 00 Praha 6, Czech Republic)

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