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# Deploying e-Infrastructures for new User Communities in DORII project

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The DORII project aims to deploy e-Infrastructure for new scientific communities, where the ICT technology is still not present at the appropriate level. The DORII is focusing on the following selected scientific areas: earthquake community, with various sensor networks, environmental science community, experimental science community, with synchrotron and free electron lasers. Working closely with end-users, DORII will build solution upon the success of past and ongoing projects in such areas as remote instrumentation (GRIDCC, RINGrid), interactivity (int.eu.grid), software frameworks for application developers (g-Eclipse) and advanced networking technologies (GN2) with EGEE based middleware.

## 3. Impact

By offering support to three mentioned different communities, DORII will contribute to the consolidation and expansion of eInfrastructures addressing the specific needs of these communities, in particular the challenge of integration of their experimental equipment. The deployment of the specific services will allow the exploitation of the relevant layers of eInfrastructures, from networking to grids and middleware.

## URL for further information:

http://www.dorii.eu/

## 4. Conclusions / Future plans

DORII is oriented to support researchers with experimental equipment and instrumentation, which are not integrated or integrated only partially with the European infrastructure. DORII capitalises the previous projects achievements and is going to use according to the demands and requirements of the scientific communities. The scientific groups are intended to empower their daily work with the functionality available in modern eInfrastructure, with certain enhancements delivered by DORII.

## Provide a set of generic keywords that define your contribution (e.g. Data Management, Workflows, High Energy Physics)

grid project, e-Infrastructures, remote-instrumentation, interactivity

## 1. Short overview

We will summarize the main goals of the project Deployment of Remote Instrumentation Infrastructure from the point of view of application support. We will show challenges and present expected results. We will present our relation with EGEE project and gLite middleware.

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**Track Classification:** Existing or Prospective Grid Services