Contribution ID: **52**　　　　　　　　　　　　　　　　　　　　　Type: **Session**

Deploying e-Infrastructures to enable multidisciplinary collaboration in Environmental Science

Session Description (include details of proposed agenda, potential speakers and expected outcomes)

- Introduction (CNR)
- Combining distributed structured data sources for generation of enhanced biodiversity indicators:
- Mapping biodiversity hotspots and assessing impact of climate change (WorldFish Center)
- Grid supported management of fisheries statistics (FAO Fisheries Dept)
- Virtualizing research environments to hamper the complexity: D4Science solution for data sharing, manipulation, and analysis (CERN)
- Panel: Federating Envir. Science projects through EGI. Is it the right pathw

Project(s) or EGEE activity presenting the demo or poster (project or activity names only)

D4Science

Special requirements other than the set up mentioned in the CfA text.

40

Please indicate your preferred day to give a demo.

2hrs

3

D4Science, AquaMaps, 4d4Life, Sterna, ICIS.

Abstract

There is growing evidence that the requirements raised by cross-disciplinary research may not be satisfied within the boundaries of a single organization, regardless of how wide in geographical scale and in aggregating resources this organization can be. Rather, the expectation is that scientific collaboration will need to involve scientists and resources from different institutions, disciplines and countries. This session will exemplify these needs by presenting typical requirements of Environmental scientists. It will then illustrate the contribute that e-Infrastructures, like EGEE and D4Science, already offer to satisfy them. The session will be closed by a panel,

attended by representatives of projects operating in the area of Environmental Science and e-Infrastructures, that will discuss how EGI might contribute to remove barriers between disciplines and facilitate the take-up of e-Infrastructures that integrate and increase research capacities in this area.

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Track Classification: End Users (Applications)