

partner) and has established requirements relating to the type, format and quality of, as well as usage patterns for price-constrained or security-constrained data. A detailed implementation plan will be agreed with the OTAG that will extend the existing data access services to collect accounting data.

#### 1.3.4.2.5.4 TJRA1.4.4 Accounting of capacity and cloud computing usage

The introduction and integration of capacity computing and virtualised resources into production infrastructures will occur during the project. These resource types will need to be accounted for within the infrastructure. Integration requires the capability to collect usage records from all types of computing infrastructure to provide a unified view. This task covers the work needed to collect accounting information from the individual resource type and is distinct from the work in TJRA1.2.4 which extends the accounting tools to store accounting information from additional resource types.

#### 1.3.4.2.6 TJRA1.5: Integrated Operations Portal

The operations portal will be ported to the Symfony open-source web-development framework, extended to support messaging (downtime and broadcast tools), harmonized with other portal frameworks, and modularised in order to make its views pluggable through portlet/widget technologies into other portals such as scientific gateways, myEGI, iGoogle, etc. The GOCDDB and CIC portal will also be harmonized at the front-end and back-end level. The CIC portal will evolve as the EGI infrastructure incorporates other DCIs technologies through the development of new plug-ins and procedures.

In particular, the Operations Portal will evolve towards a service-oriented model by providing services related to all type of information handled within the operations portal. The information will be provided in standard ways: xml, JSON, Web Services (SOAP, REST), etc. This information will be easily reusable by users for customized tools, RSS feeds and to provide contents for widgets. Such mechanisms will be used to transfer information from the central to the NGI CIC portal instance. Additional work items such as the internationalization of the portal (by adapting it to the local language) and support for mobile browsers will be assessed.

#### 1.3.4.3 Risk Assessment and Mitigation

<b>Risks</b>	<b>Impact</b>	<b>Probability of Occurrence</b>	<b>Mitigation</b>
The starting point for the regionalisation of the operation tools in EGI-InSPIRE is not clear as these tools are still being developed in EGEE-III.	More work may be needed than envisaged in this workplan as the tools will not have developed to the EGEE-III plan	Medium	An early milestone has been defined at PM 3 for an assessment of the current status of regionalization of the tools. Effort will be reallocated from task TJRA1.2 and TJRA1.3 if needed to complete tool regionalization by PM 24.