

**EGI-Engage**

First intermediate report

M 1.2

|  |  |
| --- | --- |
| **Date** | 13 April 2015 |
| **Activity** | NA1 |
| **Lead Partner** | EGI.eu |
| **Document Status** | DRAFT |
| **Document Link** | https://documents.egi.eu/document/XXX |

Abstract

Report describing the EGI-Engage project’s activities from 1st March 2015 to 31st August 2015.

**COPYRIGHT NOTICE**



This work by Parties of the EGI-Engage Consortium is licensed under a Creative Commons Attribution 4.0 International License (http://creativecommons.org/licenses/by/4.0/). The EGI-Engage project is co-funded by the European Union Horizon 2020 programme under grant number 654142.

**DELIVERY SLIP**

|  |  |  |  |
| --- | --- | --- | --- |
|  | ***Name*** | ***Partner/Activity*** | ***Date*** |
| **From:** |  |  |  |
| **Moderated by:** |  |  |  |
| **Reviewed by** |  |  |  |
| **Approved by:** |  |  |  |

**DOCUMENT LOG**

|  |  |  |  |
| --- | --- | --- | --- |
| ***Issue*** | ***Date*** | ***Comment*** | ***Author/Partner*** |
| **v.1** |  |  |  |
| **...** |  |  |  |
| **...** |  |  |  |
| **v.n** |  |  |  |

**TERMINOLOGY**

A complete project glossary is provided at the following page: <http://www.egi.eu/about/glossary/>

**Contents**

[1 Introduction 6](#_Toc424133968)

[2 Strategy, Policy and Communications (input from Sergio) 7](#_Toc424133969)

[2.1 Summary 7](#_Toc424133970)

[2.2 Main Achievements 7](#_Toc424133971)

[2.2.1 Communication and Dissemination 7](#_Toc424133972)

[2.2.2 Strategy, Business Development and Exploitation 7](#_Toc424133973)

[2.2.3 SME/Industry Engagement and Big Data Value Chain 7](#_Toc424133974)

[2.3 Issues and Treatment 7](#_Toc424133975)

[2.4 Plans for next period 7](#_Toc424133976)

[3 E-Infrastructure Commons (input from Diego) 8](#_Toc424133977)

[3.1 Summary 8](#_Toc424133978)

[3.2 Main Achievements 8](#_Toc424133979)

[3.2.1 Authentication and Authorisation Infrastructure 8](#_Toc424133980)

[3.2.2 Service Registry and Marketplace 8](#_Toc424133981)

[3.2.3 Accounting 8](#_Toc424133982)

[3.2.4 Operations Tools 8](#_Toc424133983)

[3.2.5 Resource Allocation – e-GRANT 8](#_Toc424133984)

[3.3 Issues and Treatment 8](#_Toc424133985)

[3.4 Plans for next period 8](#_Toc424133986)

[4 Platforms for the Data Commons (input from Tiziana) 9](#_Toc424133987)

[4.1 Summary 9](#_Toc424133988)

[4.2 Main Achievements 9](#_Toc424133989)

[4.2.1 Federated Cloud 9](#_Toc424133990)

[4.2.2 e-Infrastructures Integration 9](#_Toc424133991)

[4.2.3 Accelerated Computing 9](#_Toc424133992)

[4.3 Issues and Treatment 9](#_Toc424133993)

[4.4 Plans for next period 9](#_Toc424133994)

[5 Operations (input from Peter) 10](#_Toc424133995)

[5.1 Summary 10](#_Toc424133996)

[5.2 Main Achievements 10](#_Toc424133997)

[5.2.1 Operations Coordination 10](#_Toc424133998)

[5.2.2 Development of Security Operations 10](#_Toc424133999)

[5.2.3 Integration, Deployment of Grid and Cloud Platforms 10](#_Toc424134000)

[5.3 Issues and Treatment 10](#_Toc424134001)

[5.4 Plans for next period 10](#_Toc424134002)

[6 Knowledge Commons (input from Gergely) 11](#_Toc424134003)

[6.1 Summary 11](#_Toc424134004)

[6.2 Main Achievements 11](#_Toc424134005)

[6.2.1 Training 11](#_Toc424134006)

[6.2.2 Technical User Support 11](#_Toc424134007)

[6.2.3 ELIXIR 11](#_Toc424134008)

[6.2.4 BBMRI 11](#_Toc424134009)

[6.2.5 MoBrain 11](#_Toc424134010)

[6.2.6 DARIAH 11](#_Toc424134011)

[6.2.7 LifeWatch 11](#_Toc424134012)

[6.2.8 EISCAT\_3D 11](#_Toc424134013)

[6.2.9 EPOS 11](#_Toc424134014)

[6.2.10 Disaster Mitigation 11](#_Toc424134015)

[6.3 Issues and Treatment 12](#_Toc424134016)

[6.4 Plans for next period 12](#_Toc424134017)

[7 Consortium Management (input from PO) 13](#_Toc424134018)

[7.1 Summary 13](#_Toc424134019)

[7.2 Main Achievements 13](#_Toc424134020)

[7.2.1 Project management 13](#_Toc424134021)

[7.2.2 Milestones and Deliverables 13](#_Toc424134022)

[7.2.3 Consumption of Effort 13](#_Toc424134023)

[7.2.4 Overall Financial Status 13](#_Toc424134024)

[7.3 Issues and Treatment 13](#_Toc424134025)

[7.4 Plans for next period 13](#_Toc424134026)

[8 Project Metrics (input from ALL) 14](#_Toc424134027)

[8.1 Overall metrics 14](#_Toc424134028)

[8.2 Activity metrics 15](#_Toc424134029)

[8.2.1 NA1 – Project Management 15](#_Toc424134030)

[8.2.2 NA2 – Strategy, Policy and Communication 15](#_Toc424134031)

[8.2.3 JRA1 – E-Infrastructure Commons 16](#_Toc424134032)

[8.2.4 JRA2 – Platforms for the Data Commons 17](#_Toc424134033)

[8.2.5 SA1 – Operations 18](#_Toc424134034)

[8.2.6 SA2 – Knowledge Commons 19](#_Toc424134035)

[Appendix I. Dissemination and Use - Main Project and Activity Meetings (input from Sergio) 20](#_Toc424134036)

[Appendix II. Dissemination and Use - Conferences/Workshops Organised (input from Sergio) 21](#_Toc424134037)

[Appendix III. Dissemination and Use – Publications (input from Sergio) 22](#_Toc424134038)

# Introduction

*Completed by the PO by editing the introductions provided by each AM.*

# Strategy, Policy and Communications (input from Sergio)

## Summary

*Brief overview of the activities*

## Main Achievements

### Communication and Dissemination

*Work undertaken from each partner.*

### Strategy, Business Development and Exploitation

*Work undertaken from each partner.*

### SME/Industry Engagement and Big Data Value Chain

*Work undertaken from each partner.*

## Issues and Treatment

*Provide actions taken for each issue reported and provide updates from unresolved issues from the previous IR.*

## Plans for next period

*Plans for the coming period.*

# E-Infrastructure Commons (input from Diego)

## Summary

*Brief overview of the activities*

## Main Achievements

### Authentication and Authorisation Infrastructure

*Work undertaken from each partner.*

### Service Registry and Marketplace

*Work undertaken from each partner.*

### Accounting

*Work undertaken from each partner.*

### Operations Tools

*Work undertaken from each partner.*

### Resource Allocation – e-GRANT

*Work undertaken from each partner.*

## Issues and Treatment

*Provide actions taken for each issue reported and provide updates from unresolved issues from the previous IR.*

## Plans for next period

*Plans for the coming period.*

# Platforms for the Data Commons (input from Tiziana)

## Summary

*Brief overview of the activities*

## Main Achievements

### Federated Cloud

*Work undertaken from each partner.*

### e-Infrastructures Integration

*Work undertaken from each partner.*

### Accelerated Computing

*Work undertaken from each partner.*

## Issues and Treatment

*Provide actions taken for each issue reported and provide updates from unresolved issues from the previous IR.*

## Plans for next period

*Plans for the coming period.*

# Operations (input from Peter)

## Summary

*Brief overview of the activities*

## Main Achievements

### Operations Coordination

*Work undertaken from each partner.*

### Development of Security Operations

*Work undertaken from each partner.*

### Integration, Deployment of Grid and Cloud Platforms

*Work undertaken from each partner.*

## Issues and Treatment

*Provide actions taken for each issue reported and provide updates from unresolved issues from the previous IR.*

## Plans for next period

*Plans for the coming period.*

# Knowledge Commons (input from Gergely)

## Summary

*Brief overview of the activities*

## Main Achievements

### Training

*Work undertaken from each partner.*

### Technical User Support

*Work undertaken from each partner.*

### ELIXIR

*Work undertaken from each partner.*

### BBMRI

*Work undertaken from each partner.*

### MoBrain

*Work undertaken from each partner.*

### DARIAH

*Work undertaken from each partner.*

### LifeWatch

*Work undertaken from each partner.*

### EISCAT\_3D

*Work undertaken from each partner.*

### EPOS

*Work undertaken from each partner.*

### Disaster Mitigation

*Work undertaken from each partner.*

## Issues and Treatment

*Provide actions taken for each issue reported and provide updates from unresolved issues from the previous IR.*

## Plans for next period

*Plans for the coming period.*

# Consortium Management (input from PO)

## Summary

*Brief overview of the activities*

## Main Achievements

### Project management

*Work undertaken from each partner.*

### Milestones and Deliverables

Table 1 – Preferred colour scheme

| **Id** | **Activity No** | **Deliverable / Milestone title** | **Nature (\*\*\*)** | **Lead partner** | **OriginalDelivery date(\*)[[1]](#footnote-1)** | **Revised delivery date(\*)** | **Status**  **(\*\*)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

### Consumption of Effort

### Overall Financial Status

## Issues and Treatment

## Plans for next period

# Project Metrics (input from ALL)

## Overall metrics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Objective** | **Metric ID** | **Impact and Metric** | **Value**  **PM06** | **Target PM12** |
| O4 | KPI.1.JRA2.OpenData | Number of open research datasets that can be published, discovered, used and reused by EGI applications/tools |  | 0 |
| O1, O2 | KPI.2.SA1.Intergation | Number of RIs and e-Infrastructures integrated with EGI |  | 9 |
| O1, O2 | KPI.3.SA1.Software | Number of new registered software items and VM appliances |  | 50/50 |
| O1, O2 | KPI.4.SA1.Cloud | Number of providers offering compute and storage capacity accessible through open standard interfaces |  | 25 |
| O5 | KPI.5.SA2.Users | Number of researchers served by EGI |  | 40 000 |
| O3 | KPI.6.JRA1.AAI | Number of users adopting federated IdP |  | TBD |
| O5 | KPI.7.SA2.Users | Number of research communities served |  | 20 |
| O2 | KPI.8.SA1.Users | Number of VO SLAs established |  | 4 |
| O5 | KPI.9.NA2.Comm | Number of scientific publications supported by EGI |  | NA |
| O2 | KPI.10.NA2.Comm | Number of relevant authorities informed of the policy paper on procurement |  | 5 |
| O5 | KPI.11.SA1.Users | User satisfaction |  | 4 |
| O2 | KPI.12.NA2.Industry | Number of services, demonstrators and project ideas running on EGI for SMEs and industry |  | 2 |
| O5 | KPI.13.SA2.Support | Number of delivered knowledge transfer events |  | 15 |
| O3, O5 | KPI.14.SA1.Size | Number of compute available to international research communities and long tail of science |  | TBD |
| O3, O5 | KPI.15.SA1.Size | Number of storage available to international research communities and long tail of science |  | TBD |
| O2, O5 | KPI.16.SA2.Support | Number of international support cases (for/with RIs, projects, industry) |  | 30 |
| O3, O5 | KPI.17.SA1.Size | Number of compute resources available to the long tail of science |  | 300 |

## Activity metrics

### NA1 – Project Management

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric ID** | **Metric** | **Task** | **Value PM06** |
| M.NA1.Quality.1 | Percentage of deliverables and milestones delivered on time | 1.3 |  |

### NA2 – Strategy, Policy and Communication

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric ID** | **Metric** | **Task** | **Value PM06** |
| M.NA2.Communication.1 | Percentage of articles, news, blog posts about or contributed by user communities and NGIs/EIROs with respect to the total of items published in EGI’s channels | 2.1 |  |
| M.NA2.Communication.2 | Number of unique visitors to the website | 2.1 |  |
| M.NA2.Communication.3 | Number of pageviews on the website | 2.1 |  |
| M.NA2.Communication.4 | Number of news items published | 2.1 |  |
| M.NA2.Communication.5 | Number of events with participation of EGI Champions | 2.1 |  |
| M.NA2.Communication.6 | Number of case studies published | 2.1 |  |
| M.NA2.Communication.7 | Attendee-days per event | 2.1 |  |
| M.NA2.Strategy.1 | Number of EGI impact assessment reports circulated to the stakeholders | 2.2 |  |
| M.NA2.Strategy.2 | Number of MoUs involving EGI.eu or EGI-Engage as a project | 2.2 |  |
| M.NA2.Strategy.3 | Number of SLAs established paying customers | 2.2 |  |
| M.NA2.Industry.1 | Number of engaged SMEs/Industry contacts | 2.3 |  |
| M.NA2.Industry.2 | Number of establish collaborations with SMEs/Industry (with MoU) | 2.3 |  |
| M.NA2.Industry.3 | Number of requirements gathered from market analysis activities | 2.3 |  |

### JRA1 – E-Infrastructure Commons

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric ID** | **Metric** | **Task** | **Value PM06** |
| M.JRA1.AAI.1 | Number of communities whose Identity Provider framework integrates with EGI AAI | 3.1 |  |
| M.JRA1.Marketplace.1 | Number of entries in the EGI Marketplace (i.e. services, applications etc.) | 3.2 |  |
| M.JRA1.Accounting.1 | Number of kinds of data repository systems integrated with the EGI accounting software | 3.3 |  |
| M.JRA1.Accounting.2 | Number of kinds of storage systems integrated with the EGI accounting software | 3.3 |  |
| M.JRA1.OpsTools.1 | Number of new requirements introduced in the roadmap | 3.4 |  |
| M.JRA1.OpsTools.2 | Number of probes developed to monitor cloud resources | 3.4 |  |
| M.JRA1.eGrant.1 | Number of user requests handled in e-GRANT | 3.5 |  |

### JRA2 – Platforms for the Data Commons

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric ID** | **Metric** | **Task** | **Value M06** |
| M.JRA2.Cloud.1 | Number of VM instances managed through AppDB GUI | 4.2 |  |
| M.JRA2.Cloud.2 | Percentage of cloud providers providing snapshot support | 4.2 |  |
| M.JRA2.Cloud.3 | Percentage of cloud providers providing VM resizing support | 4.2 |  |
| M.JRA2.Cloud.4 | Number of OCCI implementation supporting OCCI 1.2 | 4.2 |  |
| M.JRA2.Cloud.5 | Number of new OCCI implementations for existing or new CMFs. | 4.2 |  |
| M.JRA2.Integration.1 | Number of European cloud providers in the federated Astronomy community cloud | 4.3 |  |
| M.JRA2.Integration.2 | Number of virtual appliances shared | 4.3 |  |
| M.JRA2.Integration.3 | Number of different datasets replicated across CADC and EGI | 4.3 |  |
| M.JRA2.Integration.4 | Number of EUDAT services integrated with the HTC and Cloud platforms of EGI | 4.3 |  |
| M.JRA2.Integration.5 | Number of open research datasets replicated in the federated cloud for scalable access by iMARINE VREs | 4.3 |  |
| M.JRA2.Integration.6 | Number of research clouds that interoperate with EGI federated cloud: community clouds, integrated, peer | 4.3 |  |
| M.JRA2.AcceleratedComputing.1 | Number of batch systems for which GPGPU integration is possible to be supported through CREAM | 4.4 |  |
| M.JRA2.AcceleratedComputing.2 | Number of Cloud Middleware Frameworks for which GPGPU integration is supported and implemented | 4.4 |  |
| M.JRA2.AcceleratedComputing.3 | Number of level 3 disciplines with user applications that can use federated accelerated computing | 4.4 |  |

### SA1 – Operations

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric ID** | **Metric** | **Task** | **Value M06** |
| M.SA1.Operations.1 | Amount of federated HTC compute capacity (EGI participants and integrated) | 5.1 |  |
| M.SA1.Operations.2 | Amount of federated HTC storage capacity (EGI participants and integrated): (Disk, Tape) | 5.1 |  |
| M.SA1.Operations.3 | Amount of allocated resources (storage) allocated through a EGI centrally managed pool of resources | 5.1 |  |
| M.SA1.Operations.4 | Amount of allocated resources (logical cores) allocated through a EGI centrally managed pool of resources | 5.1 |  |
| M.SA1.Operations.5 | Number of new products distributed with UMD | 5.1 |  |
| M.SA1.SecurityOperations.1 | Number of security policies and procedures updated, reviewed and adapted to support new services | 5.2 |  |
| M.SA1.Platforms.1 | Number of gCUBE VREs instantiated on the Federated Cloud for the iMARINE community | 5.3 |  |
| M.SA1.Platforms.2 | Number of CPU time consumed by e-CEO challenges (hours \* cores) | 5.3 |  |

### SA2 – Knowledge Commons

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric ID** | **Metric** | **Task** | **Value M06** |
| M.SA2.UserSupport.1 | Number of training modules produced and kept up-to-date | 6.2 |  |
| M.SA2.UserSupport.2 | HTC Absolute normalized time to a reference value of HEPSPEC06 (excluding OPS and dteam) per 1 level disciplines | 6.2 |  |
| M.SA2.UserSupport.3 | HTC Relative increase normalized time to a reference value of HEPSPEC06 (excluding OPS and dteam) per 1 level disciplines | 6.2 |  |
| M.SA2.UserSupport.4 | Relative increase of users per 1 level disciplines | 6.2 |  |
| M.SA2.UserSupport.5 | HTC Number of Low/Medium/High Activity VOs and total | 6.2 |  |
| M.SA2.UserSupport.6 | Number of VM instantiated in Federated Cloud per 1 level discipline | 6.2 |  |

1. Dissemination and Use - Main Project and Activity Meetings (input from Sergio)

Table 1 – title

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Location** | **Title** | **Participants** | **Outcome (Short report & Indico URL)** |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |

1. Dissemination and Use - Conferences/Workshops Organised (input from Sergio)

Table 2 - title

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Location** | **Title** | **Participants** | **Outcome (Short report & Indico URL)** |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |
|  |  |  |  |  | |

1. Dissemination and Use – Publications (input from Sergio)

Table 1 – title

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Publication title*** | ***Journal / Proceedings title*** | ***DOI code*** | ***Journal references*** | ***Authors*** | ***Authors*** |
|  |  |  | *Volume number*  *Issue*  *Pages from - to* | *Initials* | *Surname* |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

1. *(\*) Dates are expressed in project month.*

   *(\*\*) Status = Not started – In preparation – Pending internal review – PMB approved*

   *(\*\*\*) Nature =* ***R*** *= Report* ***P*** *= Prototype* ***D*** *= Demonstrator* ***O*** *= Other, Deliverable id: for Milestone attached to a deliverable* [↑](#footnote-ref-1)