

# AGINFRA+

<b>Short description</b>	AGINFRA+ Virtual Research Environments to Support Agriculture and Food Research Communities
<b>Type of community</b>	Thematic Services / Competence Centers / Business Cases /Others
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<b>Date of interview</b>	
<b>Meetings</b>	
<b>Supporters</b>	

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## User stories



### Instruction

Requirements are based on a user story, which is an informal, natural language description of one or more features of a software system. User stories are often written from the perspective of an end user or user of a system. Depending on the community, user stories may be written by various stakeholders including clients, users, managers or development team members. They facilitate sensemaking and communication, that is, they help software teams organize their understanding of the system and its context. Please do not confuse user story with system requirements. A user story is an informal description of a feature; a requirement is a formal description of need (See section later).

User stories may follow one of several formats or templates. The most common would be:

"As a <role>, I want <capability> so that <receive benefit>"

"In order to <receive benefit> as a <role>, I want <goal/desire>"

"As <persona>, I want <what?> so that <why?>" where a persona is a fictional stakeholder (e. g. user). A persona may include a name, picture; characteristics, behaviours, attitudes, and a goal which the product should help them achieve.

Example:

"As provider of the Climate gateway I want to empower researchers from academia to interact with datasets stored in the Climate Catalogue, and bring their own applications to analyse this data on remote cloud servers offered via EGI."

No.	User stories
US1	As a service owner, I want to be able to deploy the Data Miner (DM) cluster in an IaaS infrastructure
US2	As a service owner, I want to be able to monitor the performance of the DM

## Use cases



#### Instruction

A use case is a list of actions or event steps typically defining the interactions between a role (known in the Unified Modeling Language as an actor) and a system to achieve a goal.

Include in this section any diagrams that could facilitate the understanding of the use cases and their relationships.

Step	Description of action	Dependency on 3rd party services (EOSC-hub or other)
UC1	DM cluster service is deployed in the Cloud as a long-running service	EGI Cloud Compute service
UC2	Resource consumption (compute, data) is tracked and accessible	Accounting
UC3	DM cluster service is monitored	DM cluster

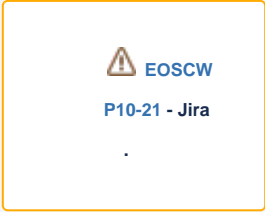


## Requirements



### Technical Requirements



#### Instruction

- Requirement number: Use numbers RQ1, RQ2, RQ3, ...
- Requirement title: Use a short but descriptive title. Use the same title in the Jira ticket 'Summary' field
- Link to requirement JIRA ticket: Open a ticket in <this JIRA queue <https://jira.eosc-hub.eu/projects/EOSCWP10/issues/EOSCWP10-4?filter=allopenissues>> (click on 'CREATE' button in the middle-top of JIRA)
- Source use case: Refer back to the use cases above (UC1, 2, ...)

Requirement number	Requirement title	Link to Requirement JIRA ticket	Source Use Case
Example	EOSC-hub to provide an FTS data transfer service		UC1
RQ1	DM cluster deployment in the EGI Cloud Compute service		UC1
RQ2	Tracking compute consumption		UC2
RQ3	Get performance metrics: number of analytics tasks	 n° analytics tasks May: 36 June: 3	UC3

<b>RQ4</b>	Get performance metrics: availability / uptime (percentage)	 EOSCWP10 -117 - Jira .	UC3
<b>RQ5</b>	Display of performance metrics in Nagios	 EOSCWP10 -116 - Jira .	UC3

## Capacity Requirements

<b>EOSC-hub services</b>	<b>Amount of requested resources</b>	<b>Time period</b>
EGI Cloud Compute service	<p>Initial cloud compute capacity for the pilot is <b>4 VMs with 16 vCPU cores and 32GB RAM</b> running in a single data center with <b>local disk space of 250GB</b>.</p> <p>Additionally, <b>1 VM + 1 public IP</b> for proxying requests to the DM cluster.</p>	Apr Dec 2020