

# MESSAGEix-GLOBIOM (EAP)

Short description	Mapping the sensitivity of mitigation scenarios to societal choices pilot
Type of community	Others (Early Adopter Program)
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Date of interview	Oct 24th 2019
Meetings	
Supporters	

- User stories
- Use cases
- Requirements
  - Technical Requirements
  - Capacity Requirements

## 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	<p>The IAM <b>MESSAGEix-GLOBIOM</b> model (considered by the applicants at TRL9) will run sequentially on the selected resources where each job is independent from the other in a parametric fashion.</p> <p>In order to run the model as a parametrized simulations, a set of resource (typically VMs) are needed as a batch system manually deployed by the applicants.</p> <p>The output carried out from the simulations will be stored in a distributed environment needed to access the data for post-processing analysis.</p>
US2	
...	

## 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		
UC2	...	
...		


## 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			
RQ2			

### Capacity Requirements

EOSC- hub services	Amount of requested resources	Time period