

EAP

App 8: Mapping the sensitivity of mitigation scenarios to societal choices

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Status

- Workplan, resources and services needed
 - <https://docs.google.com/document/d/1edYX1cF1B7bFN1d4HcbG7Sa-KKV8HpRk/edit>
- PI
 - Bas van Ruijven (IIASA, Austria, vruijven@iiasa.ac.at)
- Objective
 - perform modeling studies to explore how future energy systems can evolve and to quantify the tradeoffs, co-benefits, and interlinkages between different aspects of the global energy systems in the context of international climate change policy and sustainable development.

Usecase and EOSC-hub Services

- The IAM **MESSAGEix-GLOBIOM** (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.
- **EOSC Federated Authentication mechanism -> EGI Check-in**
- **EGI Cloud Compute service -> Provider INFN-Bari**
- **Storage service -> Provider INFN-Bari**

Activities carried out by IIASA

- First effort made to understand the various pieces (authentication, registration, VPN, tooling, etc.) needed to access the cloud resources.
 - write a guide is understandable by not experienced people
- Activity ongoing to introduce changes to the model code that are necessary to automate job creation/execution/reporting
- Working on the initial demo
 - Run few jobs implementing the mentioned changes and automation
 - Became a project milestones.
- GITHUB repo created
 - To track activities and speed-up communications

Status

- **Status of the technical plan**

- <https://docs.google.com/document/d/1edYX1cF1B7bFN1d4HcbG7Sa-KKV8HpRk/edit>
- VO Created -> vo.iiasa.ac.at
- Resources to be added

- **Status of your project in the Community Requirement database**

- Created, working on it
- <https://wiki.eosc-hub.eu/display/EOSC/Community+requirements+DB>

- **Status of your project in the EOSC Marketplace**

- Created, working on it

- **Status of your project in the T8.9**

- Created, working on it
- <https://wiki.eosc-hub.eu/display/EOSC/Mapping+the+sensitivity+of+mitigation+scenarios+to+societal+choices+pilot>