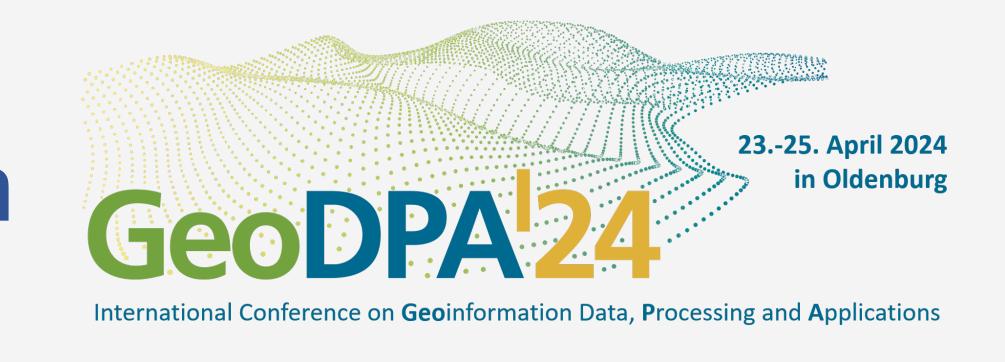


Automated Gross Primary Production Application for Monitoring Ecosystem Health within GEOSS (AGAME)



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What are AGAME's Objectives?

- Exploit the added value of integrating
 Copernicus Products (remote and local data)
 and other diverse data sources (local, regional
 or global) by delivering tailored information and
 services co-designed with users.
- Provide consistent data products together with detailed metadata.
- Offer a service co-designed with users that provides information of gross primary production that is used to give direct and focused answers to specific questions from the targeted scenarios.
- Contribute to the development of the GEOSS platform by delivering information on gross primary production accessible via the GEOSS Platform.
- Cooperate with local stakeholders, their knowledge and expertise.

Who are the users and what is their interest?

User 1: GEOSS

- Directly integrate data flows from project applications into GEOSS-DAB (pilot link between components of the GEOSS portal and European Research Infrastructures (RI)).
- Facilitate broader access and utilization across European Rls.

User 2: eLTER Research Infrastructure

- AGAME GPP product serves as an additional layer of information within eLTER's Information Cluster.
- Enriches eLTER's research capabilities and aims to sustain AGAME products beyond the project's runtime.

User 3: Sites and Platform Coordinators

- Require spatially explicit time series data on GPP.
- Time series is needed to investigate declines in carbon uptake due to global warming and to predict future biosphere conditions

How are users engaged?



Deliver ready-to-use information reached through **two engagement phases (Co-design / Validation)** which gather **user requirements** that will be **translated into a system design and implementation** (technical and non-technical functionality).



Co-Define/Co-Design Phase (Month 2)

What: Based on user-stories we map user needs to identify added value products beneficial to the users

How:

- 1. Dedicated one-to-one meetings with each user group separately.
- 2. White Boards are used to capture both functional and non-functional requirements
- 3. Based on both, define priorities and establish a common roadmap.

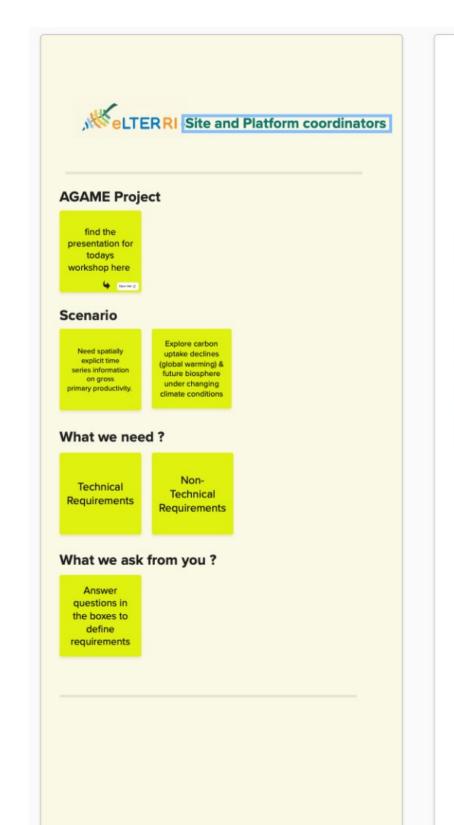


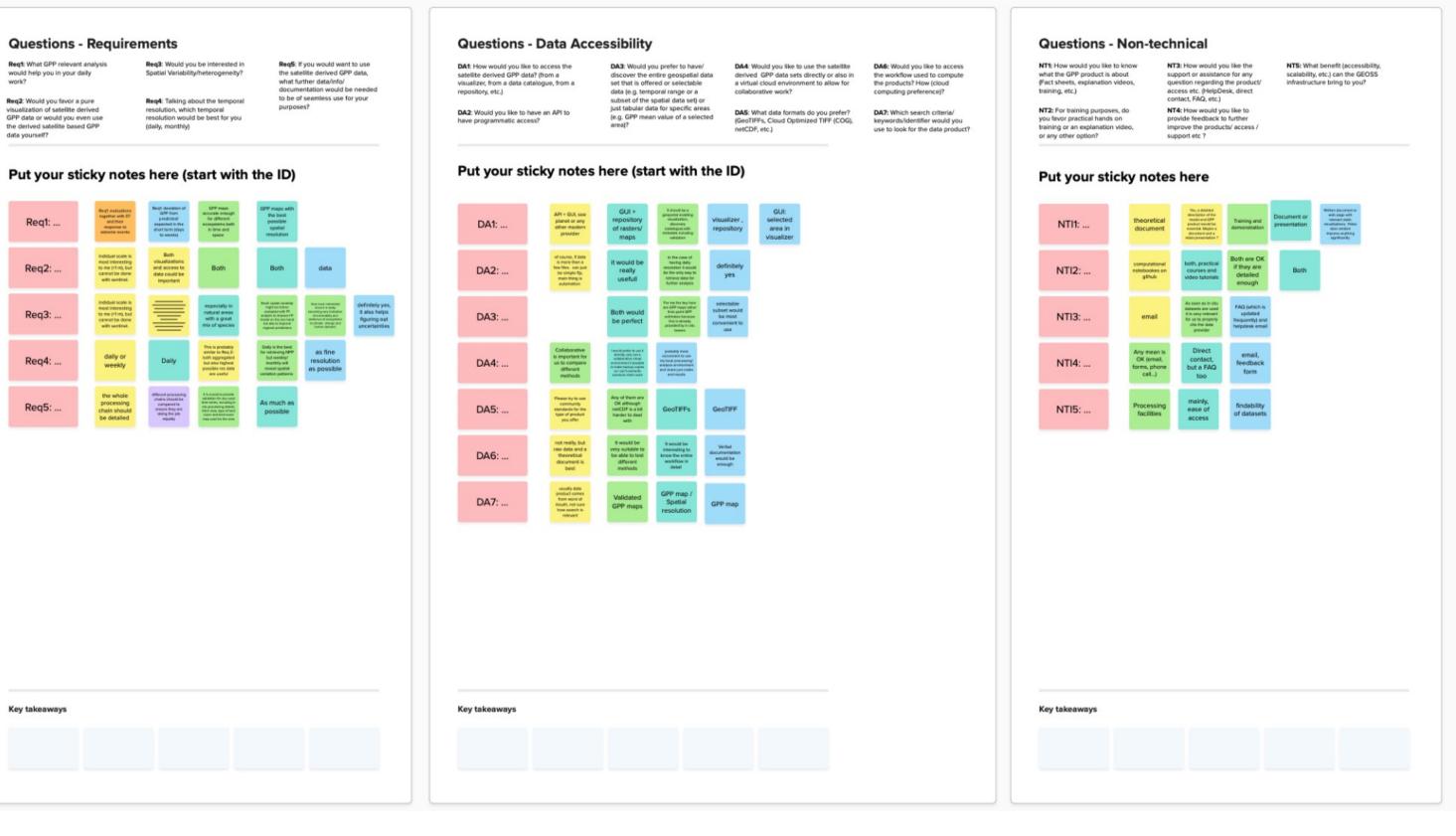
User Validation Phase (Months 6 and 10)

What: feedback loop with users to validate 1st and 2nd version of the AGAME products and allow for improvement.

How: all user groups will actively participate in **two hands-on workshops** allowing for practical demonstrations and real-time feedback.

What does a user requirement look like?





What are the next steps?

- Translate user requirements into system requirements and prioritise implementation steps for all users.
- Implement the system requirements to produce a 1st version of the AGAME product/service.
- Gather feedback during user validation phase on 1st version.
- Implement feedback for a 2nd version.
- Prepare a communication strategy to promote the product and increase awareness and adoption.











