

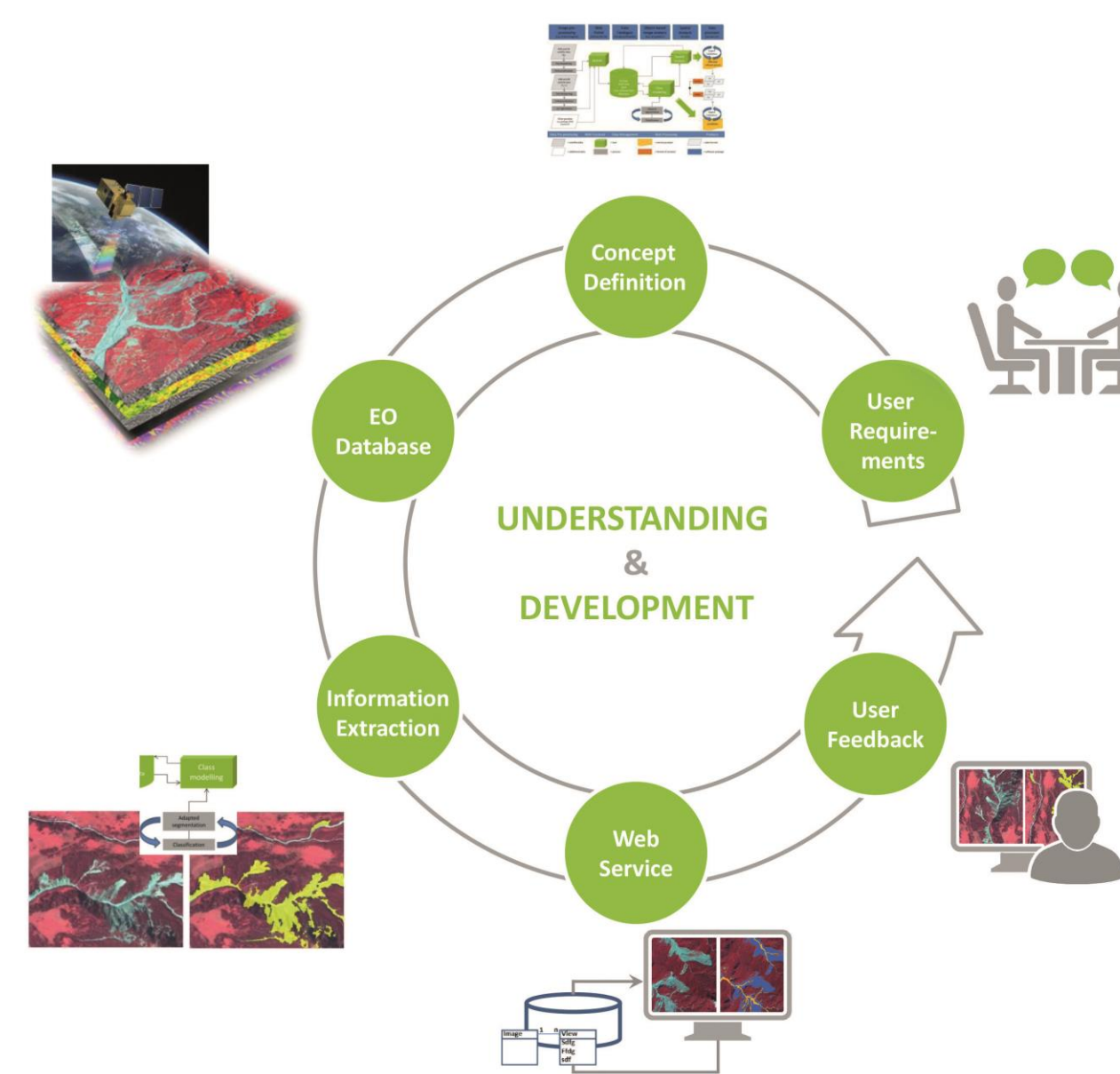
VALIDATING THE USABILITY OF AN INTERACTIVE EARTH OBSERVATION BASED WEB SERVICE FOR LANDSLIDE INVESTIGATION

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Introduction

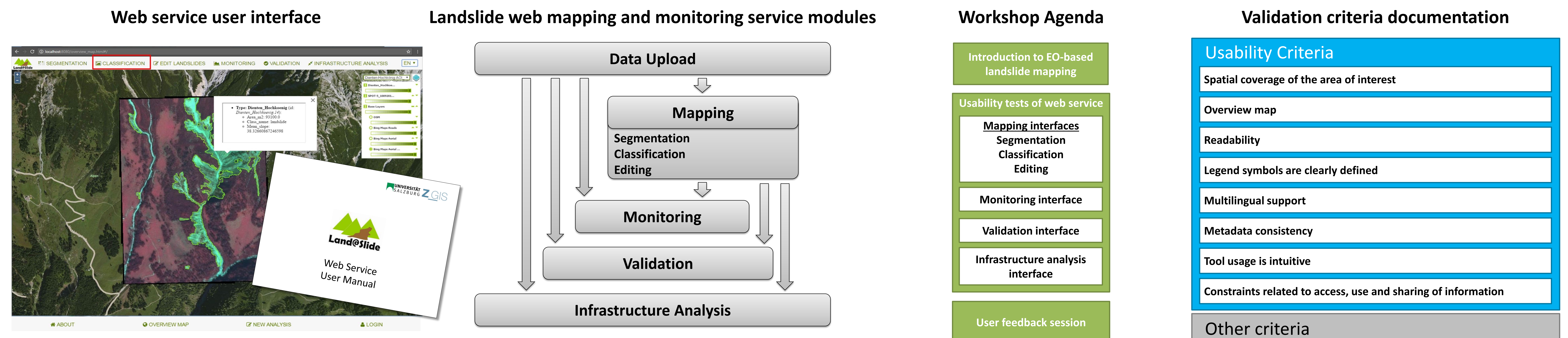
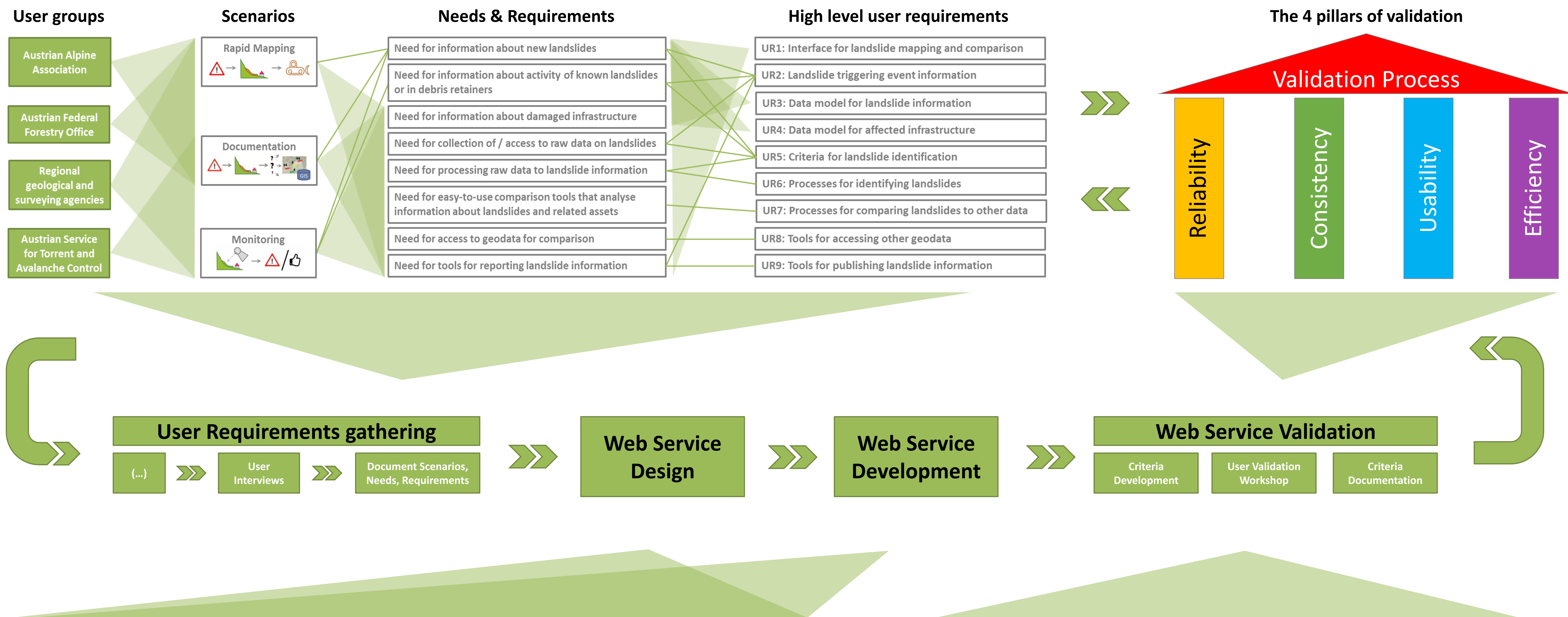
Regional authorities and infrastructure maintainers in almost all mountainous regions of the Earth need detailed and up-to-date landslide inventories for hazard and risk management. Landslide inventories usually are compiled through ground surveys and manual image interpretation following landslide triggering events. **For improving the collection of landslide information, we developed a web service that uses Earth Observation (EO) data and supports the required mapping and monitoring tasks.**



Next, a comprehensive **validation of the EO-based web service** is necessary in order to **judge the quality of our test development**. Apart from evaluating the achievable landslide information quality, the planned validation specifically **focuses on the usability** and user friendliness of the user interface of the web service.

Objectives & Approach

The validation of the EO-based web service for landslide mapping and monitoring intends to **gather feedback from users** as a basis for improving the web service and its associated documentation. The feedback is acquired with a user workshop and an online questionnaire that addressed validation criteria of usability and allow an improvement of the user requirements and further development of the web service.



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