

Lucien WALD

Armines

Overview of the project. Major expectations

2011-01-13

ENDORSE



Overall Objective

User-driven development of downstream services in renewable energies by exploiting the GMES Core Services and **stimulation** of the development of **sustainable and transferable** downstream services.

Regional services promoting the energy use from sun, wind, and biomass, electricity grid management and building engineering through daylighting in buildings.

Methodology – Overview (1/2)

- develop and validate pre-market downstream services in collaboration with end-users;
- assess the conditions for self-sustainability of these services through surveys and workshops with end-users;

Methodology – Overview (2/2)

- disseminate the achievements of the project to foster the use of Core Services data and other EO data by the RE community;
- stimulate the market of downstream services in RE, and the development of such services by service-oriented companies by demonstrating precursors with documented conditions of sustainability.

Implementation

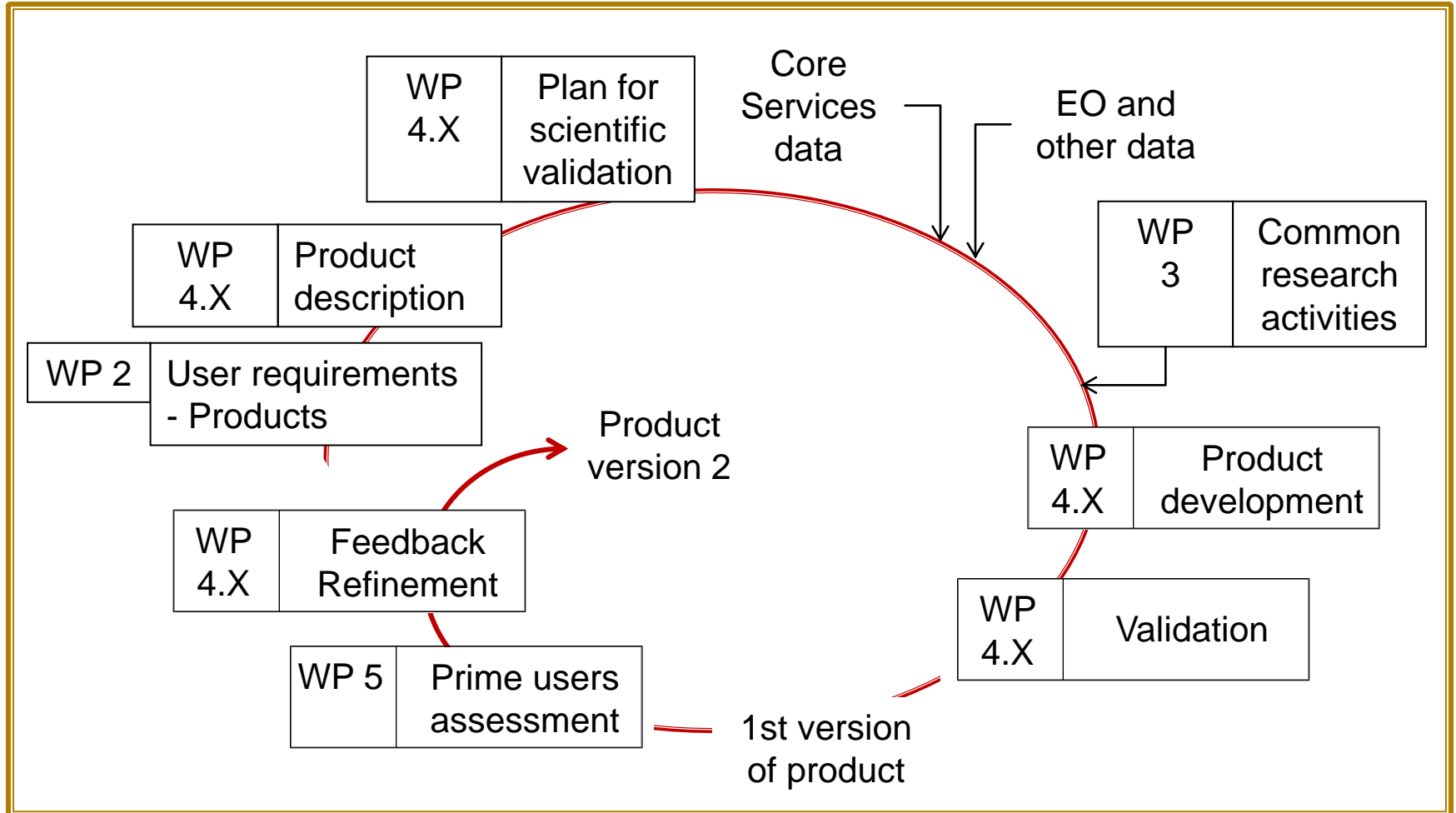
Implementation through 9 main WPs (101-102 to 9) and 52 deliverables.

Main WPs shared in 22 minor WPS.

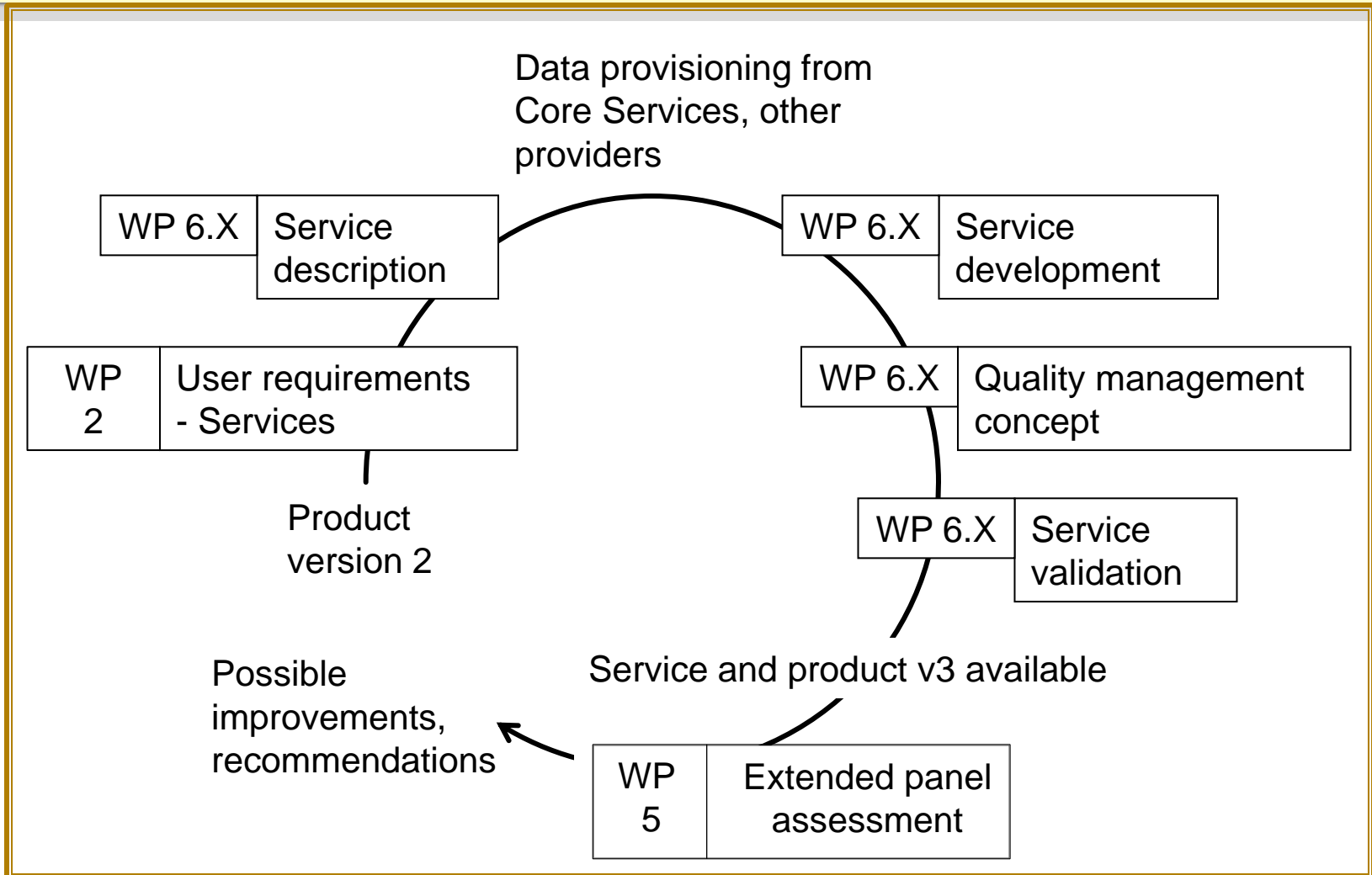
Reasons:

- type of activity and funding rate. E.g., WP₁₀₁ (RTD) and WP₁₀₂ (MGT), or WP₄₀₁ (RTD) and WP₆₀₁ (DEM)
- better monitoring of progress of work.

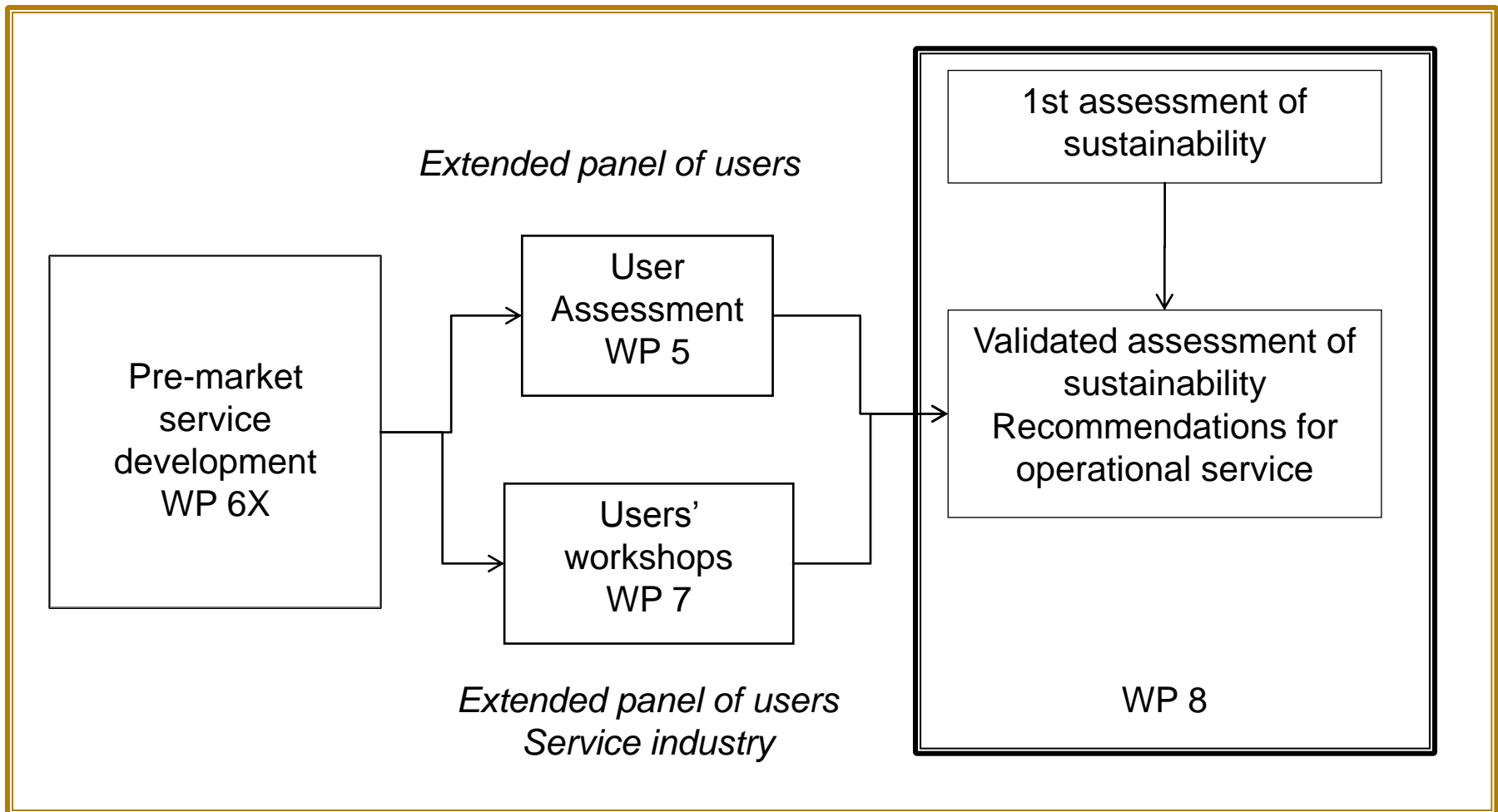
Development of a product



Development of a service



Assessment of a service



Milestones

Beta-version of service prototypes: Jan 2012.
Review by prime-users.
Second version: June 2012.
Presentation to an extended panel of users.
Final version: March 2013.
Documents on conditions of sustainability
publicly available in December 2013

Expected Results (1/3)

- scientific advances in assessment of surface air temperature and solar radiation;
- scientific advances in fusion of ground-based measurements and data from GMES Core Services;

Expected Results (2/3)

- a set of validated and documented innovative methods exploiting Core Services data and other EO data;
- a portfolio of pre-market services, serving as precursors and examples of best practices for similar downstream services (other regions, other providers), with documented conditions of sustainability;

Expected Results (3/3)

- a stimulation of the renewable energies community towards exploitation of Core Services data and other EO data;
- a stimulation of the service industry towards development of downstream services;
- feedbacks to Core Services on their data, and as a whole to GMES and GEOSS on the exploitation of EO data in renewable energies area.