AlpEnergy

Virtual Power Systems as an Instrument to Promote Transnational Cooperation and Sustainable Energy Supply in the Alpine Space

Presentation of Project Progress by Sub-Consortium

Italy

2nd Transnational Partner Meeting, 27.5.2009, Kempten, Allgäu, Germany

Proposed Structure for Presentation

1. Overview of Progress in the Region of Sub-Consortium Italy
2. Progress according to the Project Workplan
3. Next Steps - Outlook

1. Overview of Progress in the Region of Sub-Consortium Italy

- **Project website: a workplace for material sharing between project partners has been built (within WP2)**
- **Development of public and private areas within the website (WP3)**
- **Definition of logo and corporate design for PR purposes (WP3)**
- **VPS definition considering/fitting the Italian needs (WP4)**
- **Involvement of national experts to discuss the White Book (WP4)**
- **Partial development of status quo in the sub-consortium (WP4)**
- **Partial development of technical, organizational and business models for the VPS implementation (WP5)**

2. Progress according to the Project Workplan – WP 2/3

- WP 2: Proprietary **workspace** on project website: workplace inside the project website that allows the partners to create a community, share files and easy manage content of the website (CMS)

FPM, B.A.U.M.

done

- WP 3: **Project Website**: A lively and well accepted web-portal with public and private areas, different levels of access, modern features as forums, etc.

done

FPM

- **WP 3: local TV spot and local newsletter + conference related to ForAgri 2010 or 2011**

31.12.2009

PMAN

2. Progress according to the Project Workplan – WP 4 (1)

➢ "**VPS definition**": active participation in the VPS definition	30.06.2009	FPM
➢ **Study** on feasibility of cross-boundary VPS from business point of view; opportunities for selling specific services from VPS; a model to (jointly) sell power from VPS at national or European (EEX) power exchanges **(need of WB done!)**	30.09.2009	FPM Supporting AUEW and ELGO
➢ **Study** on status quo in Italy: collection of examples, list of technical solutions within the Province of Mantova. Extension to Aosta & Belluno	30.09.2009	PMAN + FPM + Aosta + Belluno
➢ **VPS master plans** for the Italian consortium.	30.09.2009	FPM + PMAN + Aosta + Belluno

2. Progress according to the Project Workplan – WP 4 (2)

- set of **criteria** to evalutate **potentials** of VPS in the Italian context: expressed within the WB (local, exploiting small RES, feasibility). — 30.09.2009 — FPM
- **Implementation concepts** and detailed **work plans** for WP 5 & 6. — 30.09.2009 — Sub-cons.

2. Progress according to the Project Workplan – WP 5 (1)

- **Development of concepts to test part of the VPS:** criteria to select producers and consumers, new systems to manage energy data,definition of business, tariff and organisational models.(advantages w.r. to the existing incentive structure)

30.04.2009 FPM

- **Study** on coexistence of VPS w.r. to the national grid (very few points not connected to the grid).

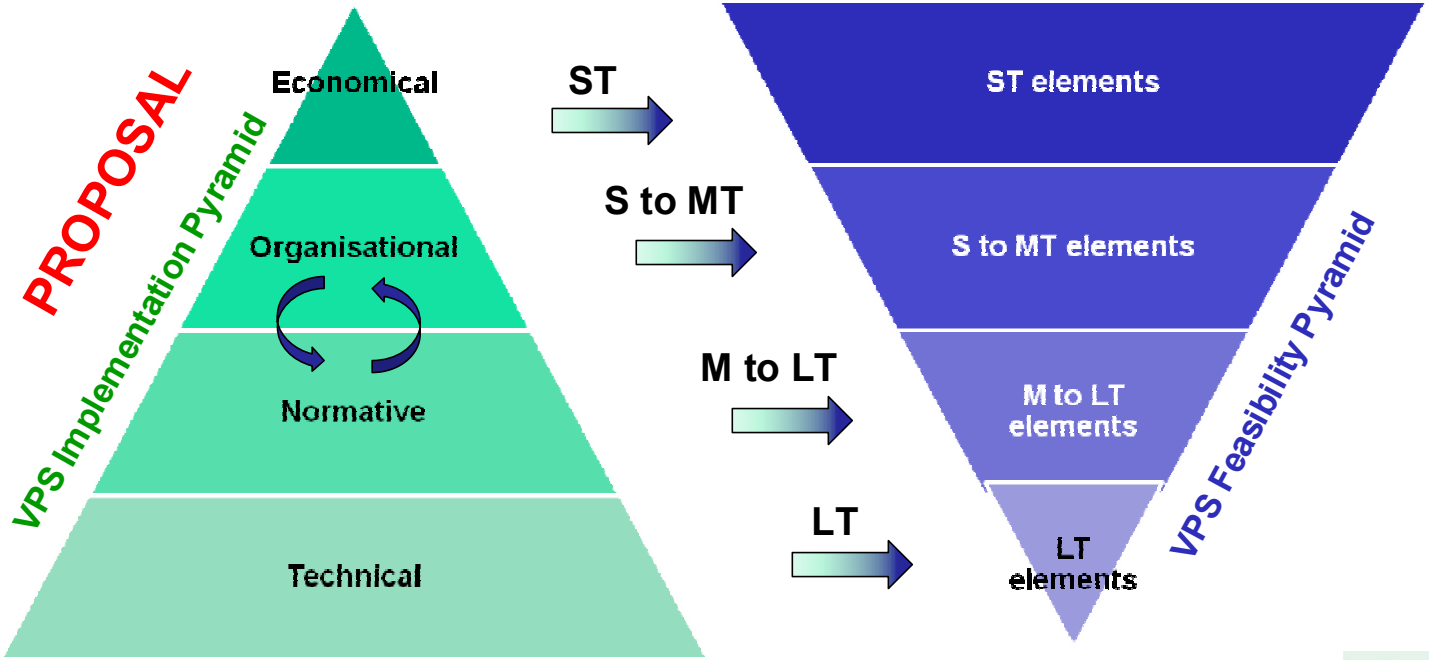
30.09.2009 PMAN + FPM

2. Progress according to the Project Workplan – WP 5 (2)

- **Development of Business models** for new VPS: public plans, existing regulations, clients, producers, suppliers & municipal utility, grid managers

30.06.2010

FPM support to AUEW & ELGO

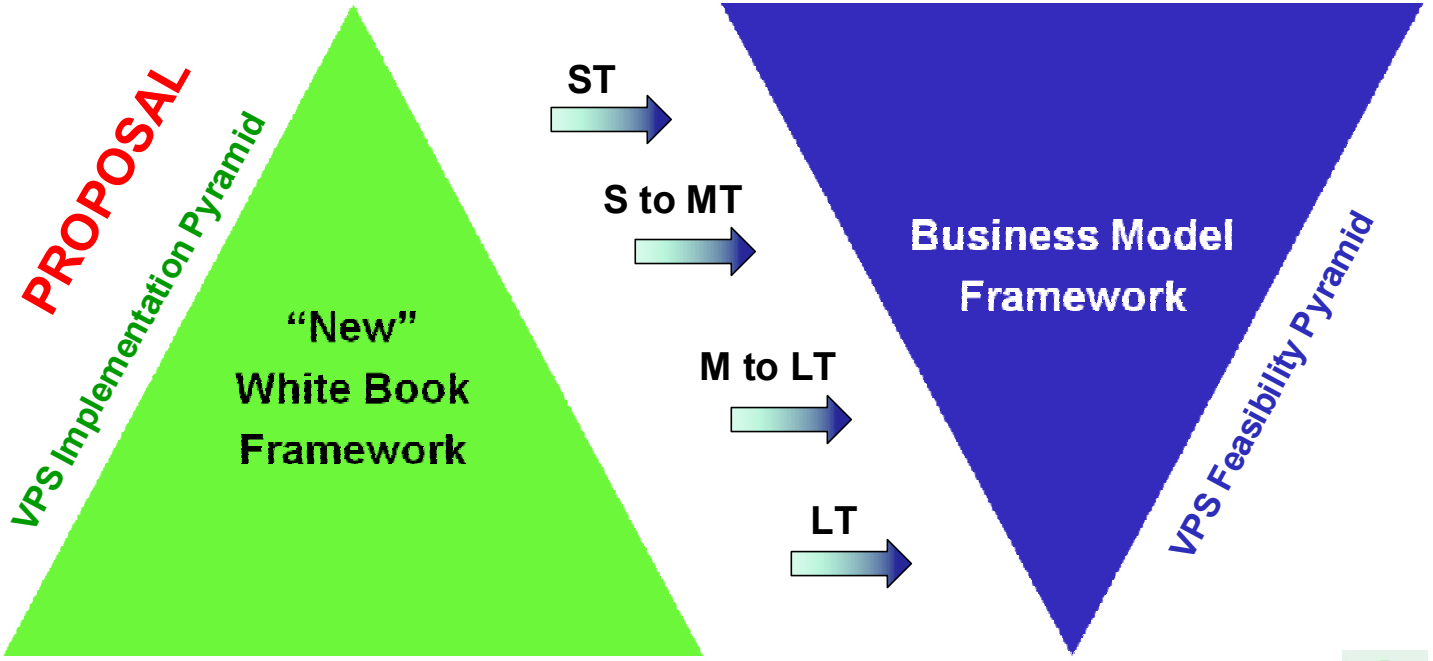


2. Progress according to the Project Workplan – WP 5 (2)

- **Development of Business models** for new VPS: public plans, existing regulations, clients, producers, suppliers & municipal utility, grid managers

30.06.2010

FPM support to AUEW & ELGO



2. Progress according to the Project Workplan – WP 6 +7

➢ Selection and dry-testing of 4 RES plants to be linked to the national grid.	31.03.2011	PMAN
➢ Analysis of **business continuity and security of supply** with VPS (particularly relevant for Aosta & Belluno regions with scattered consumers).	31.03.2011	FPM
➢ Survey on the economical acceptance by actors involved (producers, users, **decision makers**, society).	31.03.2011	BAUM & PMAN
➢ Study on **viability and sustainability** effect of VPS	31.03.2011	BAUM & PMAN
➢ Evaluation and diffusion of results of the AlpEnergy project: preparation of studies and guidelines, further expansion, etc.	31.03.2011	FPM + BAUM + PMAN

4. Next Steps - Outlook

- Involvement of other Italian partners (Aosta & Belluno) to complete the status quo analysis.
- Support the feasibility evaluation of crossboundary VPS from the point of view of existing regulations in the Alpine Space regions.
- Definition of the methodology to measure the energy/power consumption and production .
- Definition of scenarios (with technical, organisational, economical & regulation aspects) to test the holistic feasibility of VPS on the Italian regions involved .

Thank you for your attention!