



## **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**

## **RAEE – INP-G2ELab (France)**

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

## Proposed Structure for Presentation



1. Overview of Progress in the Region of Sub-Consortium RAEE – INP-G2ELab
2. Progress according to the Project Workplan
3. Upcoming Events with Relevance for AlpEnergy
4. Next Steps - Outlook



## *Summary of our progress in our region*

- **Advisory committee constituted and second meeting planned**
- **Two areas for the models selected, cooperative local partners, and data collection in progress**
- **We see clearer the concept we want to develop :**
  - Develop VPS tools facilitating RES-el (+ CHP integration) and management of these productions,
  - Demand Side Management for peak load and consumption reduction,also to offer better service to the grid and (and to avoid grid reinforcement in the Drome case)

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



### WP 2 :

- 2 reports and certifications done

### WP 3 :

- RAEE & INP work on synthetic documents dedicated to techniques, experiences or projects linked to VPS (smart grids, heat pumps, feeding tariffs, peaks demand reduction, FENIX...), these documents will be put at disposal online on a French part of the website ; status quo / state of art
- Regional advisory committee constituted ; composed by stakeholders of our region and representation of national federation of energy syndicates; the first meeting 9 February 09,
- Study trip to Allgau organized the 27-28 May, 12 persons will participate (energy syndicates, elected people, technicians...) / thank you to AUEW !
- Feedback done to the Italian partners on the website



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



- **“White Book”**: comments sent to BAUM / national case sent
- **Internal studies: status quo per region** as base for the development of regional VPS concepts :
  - Study** on status quo started : synthetic documents will feed a part of the status quo (framework) ;  
Completed by an inquiry addressed to electricity networks and energy syndicates (perception of VPS and related subjects)  
Some data already collected concerning our two cases  
Need to complete the data collection in Drome (discussion with ERDF in progress)
- **VPS master plans** for every region :  
Started has still to be completed and clarify according to the data collected ; it is plan to be done in the next workshop with our two local partners in June
- **Implementation concepts** and detailed **work plans** for WP 5 & 6  
More or less clear for ESDB, but has to be completed for SDED (lack of data at the moment) and to be written scheduled form



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

### ➤ Drome case :

Plan is to avoid grid reinforcement of a 63 kV line by developing a VPS approach on the distribution network :

- RES-el and CHP potential on the network,
- DMS study : what can be done on this part of the network ?
- Then the model developed aims to highlight the best development of these two solutions

Main obstacle at the moment : to get the data from the grid operator (DSO)

### ➤ ESDB case :

Plan is to modelise the different issues :

- Aggregation of RES and best management according to the market
- DMS potential for peak load shaving and reduction of consumptions

All the data are accessible

### 3. Upcoming Events with Relevance for AlpEnergy



#### *upcoming events our region*

- **Study trip in Allgau starting tomorrow morning !**
- **Next workshop with our locals partners 22-23 June 09**
- **Next advisory committee : 6 July 09**
- **Conference on the VPS concept to be developed in Drome (Sept 09)**



## 4. Next Steps - Outlook

### *next steps within the AlpEnergy project*

- To finish the status quo : synthetic documents, enquiry, data compilation
- VPS master plan
- Implementation concept and detailed work plan
- To plan the intermediate conference in France in March 2010