



Action 4.2: Cross Border Report On Planning And Regulation

Name Surname

Position

Date

Logo Partner

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Contents: survey, at Alpine Space level, on national and local planning, regulatory tools and projects considering electric mobility, storage and intelligent grids.

The main aim of the report is to provide a concise and comprehensive overview at AS scale.

1. Introduction

The report main goal is it provide a concise and comprehensive overview at AS scale on energy storage and smart grids. In this perspective the cross-border theme is interpreted more as “different countries” than as inter-countries. The data collection was made thorough a questionnaire that was sent to all PPs.

The questionnaire was structured in three subjects, regarding:

- Planning: it concerns official plans and programs of PPs (countries and regions of the Alpine space) that provide a comprehensive approach in order to achieve subject-related objectives in the future
- Regulation: regarding binding rules and tools to implement policies for the development of the aforementioned technologies for the different PPs
- Pilot projects: regarding demonstrative projects in progress or already implemented for the technologies of interest

The survey was subdivided in two parts, corresponding to different levels:

- National framework (planning regulation and pilot project for each nation of the Alpine Space area that adhered to the project Alp Store)
- Regional framework (including the regions interested in the Smart Box pilot installation)

The following table resumes the nations and the Partner regions who answered the questionnaire; all the considerations and the data introduced in the following are based on the answers provided by these actors.

Nation	Region/Partner	National	Local
Germany	Schwaben (AUEW, EZA)	yes	Draft due
	Oberbayern (BAUM ROTH, FFE)		before 23.07
France	Alsace (FRESH)	yes	yes
	Franche-Comté (UTBM)		yes
Austria	Vorarlberg (VLOTTE)	yes	yes
	Burgenland (EEE)	-	yes
Italy	Valle d'Aosta (AOSTA)	yes	yes
	Lombardia (ALOT, EU-IMP, AGIRE)	yes	yes
Slovenia	RDA, UL, JEZ	yes	n.a.
Liechtenstein	LIECH	yes	n.a.
Switzerland	USI	NO	n.a.

2. Methodology

Questions about the technological status in theme with the requirements of the Alp Store project have been posed to the different actor at national and regional level.

The questions were both in the form of open-answer items (e.g. the actors were asked to describe the interest of the proposed technology for their country) and in the form of brief answer or selection (judgements about the usefulness of the initiative, possible incentivisation, possible proposals ...)

3. Data analysis

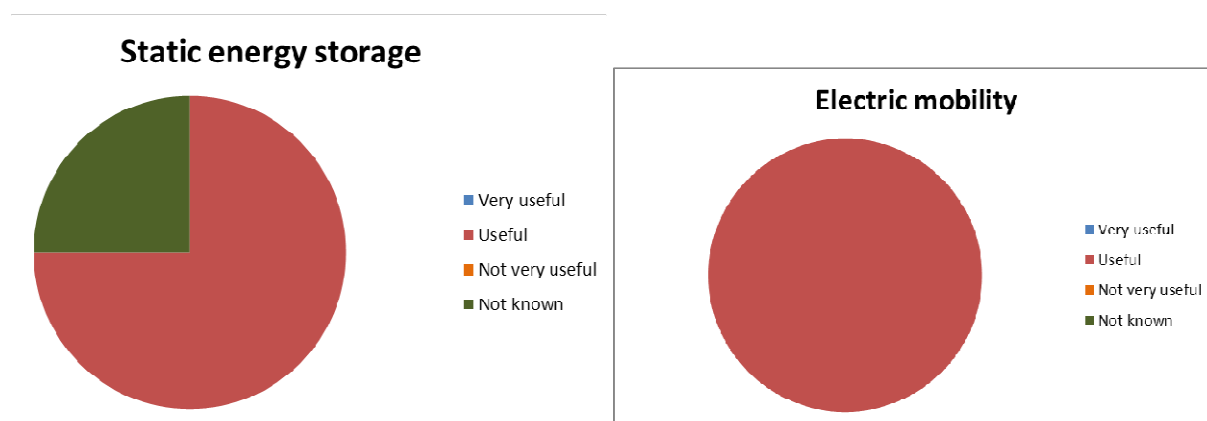
3.1 Planning framework

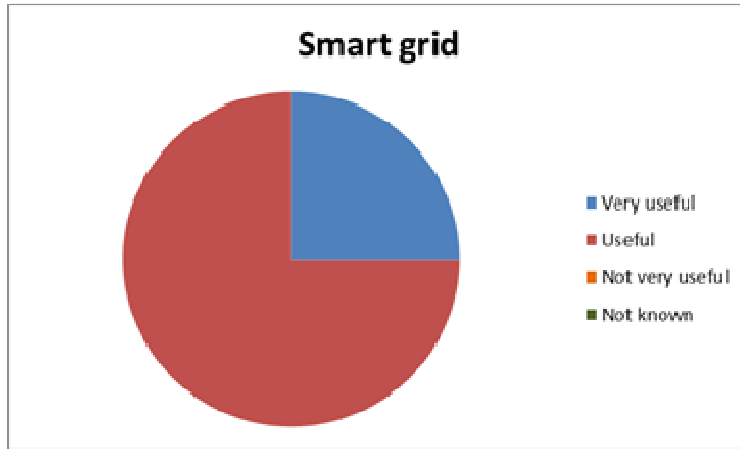
3.1.1 The national context

The following table sums up the existence of plans for each AS partner’s country.

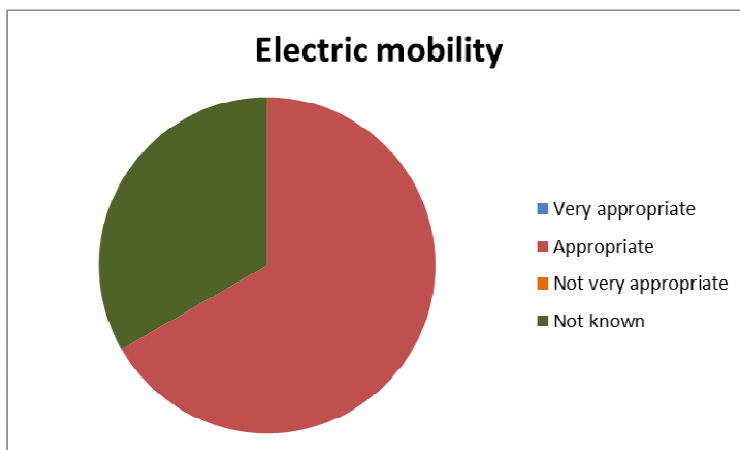
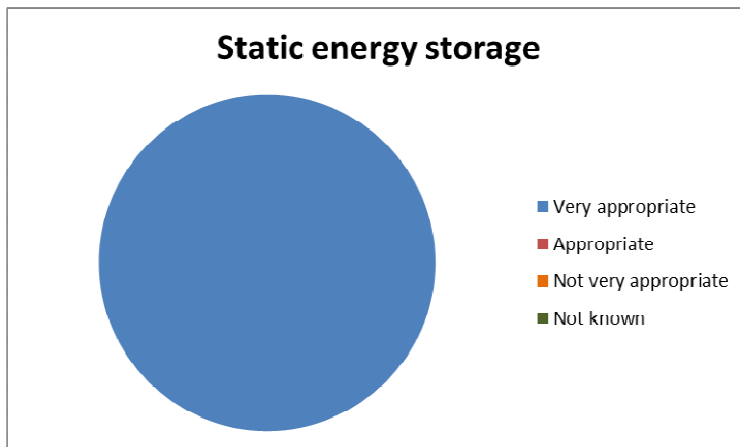
	France	Germany	Italy	Liechtenstein	Austria	Switzerland	Slovenia
Energy Stationary Storage?	yes	Yes	Yes	No	No		No
Electric Mobility?	yes	Yes	Yes	No	Yes		Yes
Smart Grids?	yes	yes	yes	No	yes		yes
If No which is the chance that at least 1 plan will be issued within the next year?							
Energy Stationary Storage?	-	-	-	<25%	25÷75%		<25%
Electric Mobility?	-	-	-	<25%	-		
Smart Grids?	-	-	-	<25%	-		

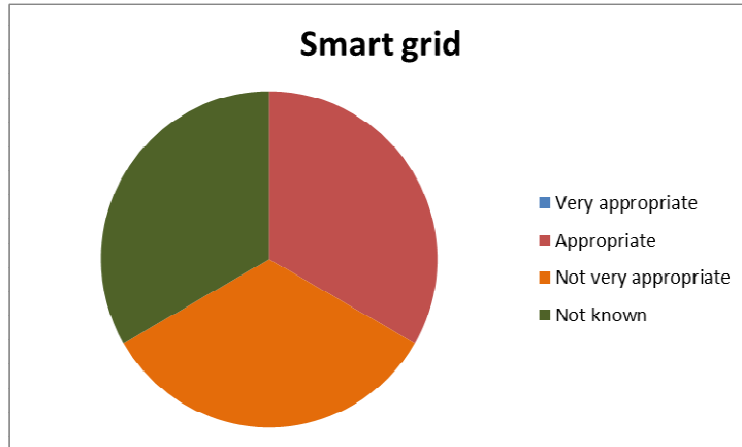
Do you consider the already in place plan useful to drive a deployment of this technology?



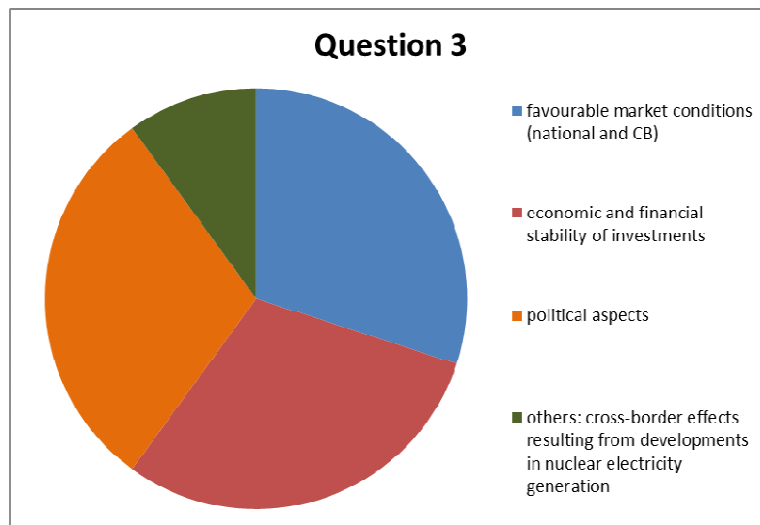


Do you consider the “work in progress” activities adequate in order to define a plan useful to drive a deployment of this technology?





Which aspects do you think will be most important to build a Cross Border effective scenario?



3.1.2 The Alpine Space context

Is the AS Region in charge of issuing plans in the sector within its territory?

	Alsace (F)	Allgäu (G)	Upper Bavaria (G)	AOSTA (I)	Burgenland (A)	Vorarlberg (A)	Gorenjska (S)
Energy Stationary Storage?	No	-	-	-	No	Yes	No
Electric Mobility?	No	-	-	-	No	Yes	No
Smart Grids?	No	-	-	-	Yes	Yes	Yes

3.2 Regulatory Framework

[POLIMI]

3.3 Pilot Projects (see attached questionnaires)

3.3.1 The national context

- It gives statistical data on the questionnaire responses
- e.g. how many countries have had pilot projects running in the stationary storage sector in the last 3 years?

3.3.2 The Alpine Space context

- It gives statistical data on the questionnaires responses
- e.g. how many regions have had pilot projects running in the stationary storage sector in the last 3 years?

4. Conclusions

4.1 Planning and regulatory framework

4.1.1 The national context

From the outcomes of the surveys, the following conclusions can be drawn:

- In the nations under investigation are in general present initiatives and plans regarding energy storage, electric mobility and smart grids. Only on the stationary storages is remarkable a lack of implementation initiatives.
- In general, the the already in place plan is considered by the nations involved useful to drive a deployment of the Smart grid, electric mobility, stationary energy storage technology.
- According to the third question, the different countries all the proposed aspects (favourable market conditions, national and CB economic and financial stability, political aspects,) are considered important to build a Cross Border effective scenario.

4.1.2 The Alpine Space context

The results of the regional survey appear not very significant due to the few regions involved.

4.2 Pilot Projects (see attached questionnaires)

- *It draws conclusions from the data analysis.*
- *E.g. Which areas have been covered by ongoing projects?*