

**“How PSCE can improve Satcom usage for  
Public Safety”  
some elements for discussion**

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PSCE Forum in Paris : November 2014**

Presentation Title runs here (go to Header & Footer to edit this text)

# SABER : Satellite Broadband for European Regions

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# Saber in some words







## A thematic Network

✓ Supported by the European Commission : Competitive Innovation programme : CIP – PSP)

✓ Wide range of expertise and experience: 26 regional and industry organizations:

- Regional partners with experience
- Regional partners with interest
- Satellite Industry partners with experience









✓ Funded by partners with support from the EC

Fundecyt		Mid West Regional Authority	
Airbus DS		Sli Nua Development	
Eutelsat		South West Regional Authority	
Niévre Numerique		IT Pro Society Association	
e-Trikala			

## Planning

✓ 2 years duration (end 2012 – end 2014)

✓ Final review held at Brussels end of September this year

CNR-IREA Lombardia		Cities on the Internet	
<b>CSI-Piemonte</b>		RCITT	
Lepida Emilia-Romagna		Mira Telecom	
Skylogic		Eta-2u	
Regione Abruzzo		Acreo	
Toscana Spazio	RD Horizon		
SES Broadband Services		Devon County Council	
Bykle og Hovden Vest		New Economy Manchester	
Western Norway Research Institute			



## Objectives

a thematic network to:

- Create a long term environment to tackle digital divide through satellite-based services
- **Maximize** satellite systems contribution to the **DAE**
- Raise awareness
- Share best practices in the use of public funds
- Analyse roadblocks in public procurement and provide solutions
- Develop guidelines for deployment of satellite broadband
- Disseminate information to regions across Europe

How:

- Share good practices
- Develop guidelines
- Disseminate information across European regions
- Information repository

## ***SABER main achievements***

### **Improved awareness of solutions**

- ✓ Creation of dissemination tools (FAQ, lessons learned, ...)
- ✓ Exchange of best practices between regions
- ✓ Bring more insight on the evolution of satellite solution (performances, services, cost, ...)

### **Identified some roadblocks**

- ✓ Technical but also Non technical
- ✓ Focus on European rules or laws which should be adapted / improved

### **Proposed innovative solutions**

- ✓ such as vouchers for procurement of users equipment's (antennas)

### **Increase involvement of Europe Organisations**

- ✓ DG Connect and DG Regio
- ✓ ESA role and link with the European Commission
- ✓ Increase EC understanding on needs and roadblocks

## ***Interest of a SABER approach for PPDR***

- **Widespread good practices of satellite and learn from negative one**
  
- **Improve awareness on satellite solutions**
  - What satellites can (and cannot) do. The panel of solutions
  - Tackle fundings of satellite services and identify way to reduce costs for users
  - Share experiences of Organisations/end users on the utilisation of satellite
  
- **Optimise the support which can be provided by the EC**
  - Role, responsibility and perimeter of the different EU/EC units (for instance EDA, EEAS, DG Echo)
  - How to better make use of EU existing funds (and possibly to leverage national EU funds)
  - How to get EU fully involved
  
- **Foster a pan European approach ?**
  - To enable better aggregation of the demand
  - To improve capacity offer and availability(e.g. for First responders during disasters)

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# GovSatcom : Governmental Satellite Communication

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## **The Gov Satcom**

### **An initiative to federate the demands from Defence users and to propose solutions to answer them.**

- ✓ Initiative promoted by the EDA (European Defence Agency)
- ✓ Not only demands from Defence considered, but also Security, Governmental, ...
- ✓ Target “Highly assured SATCOM offering a certain robust security level with some resilience, utilizing commercially available solutions with minimal modifications”.
  - ==> The best for PPDR application : compromise between Military and Commercial satellite

### **EDA just released a ITT for a feasibility study**

- ✓ 20-month duration phase
- ✓ To address the feasibility of the set-up of a future collaborative programme
  - scope, time, cost, acquisition regime, organisation and participation
- ✓ Coordinated with Defence national organisation
- ✓ Completed/synchronised with an European Space Agency (ESA) study
- ✓ Link with other SatCom activities of the EC
  
- ✓ Deadline for submission on 8th of December



# The Gov Satcom

## Feasibility study main tasks

- ✓ Task 1 : to refine the **Information Exchange Requirements (IER)**, propose various configurations based on grouping of IERs, develop an assessment model and initiate a **Concept of Operations (CONOPS)**.
- ✓ Task 2 : to **analyse the satellite proposals** from ESA concerning the architecture designs, assess the different solutions and **provide some recommendations**.
- ✓ Task 3 : to **justify the selected system** (with e.g. design trade off analysis) in accordance with the mission and system architecture requirements taking into account risk, financial aspects, business models

## → User needs have been already collected

- Consolidated in a document (Common Staff Target (CST)),
- But could be refined through the task 1