WORKSHOP ON S3 FOR THE EU DEFENCE SECTOR

Bretagne case study

28 january 2013

BRETAGNE
DÉVELOPPEMENT
INNOVATION

CONTENT

BRETAGNE DÉVELOPPEMENT INNOVATION

- Key figures
- Clusters
- Focus on Bretagne Pole Naval

PART I

KEY FIGURES

Defence sector in Bretagne : key figures

BRETAGNE DÉVELOPPEMENT INNOVATION

A strong network of more than 500 actors

ENTERPRISES

2 large companies (DCNS & THALES)

440 entreprises (50% services & research, 50% industry)

TRAINING

9 colleges or universities

(ex: SUPELEC, ESCC)

CLUSTERS

7 clusters and pôles de compétitivité

RESEARCH

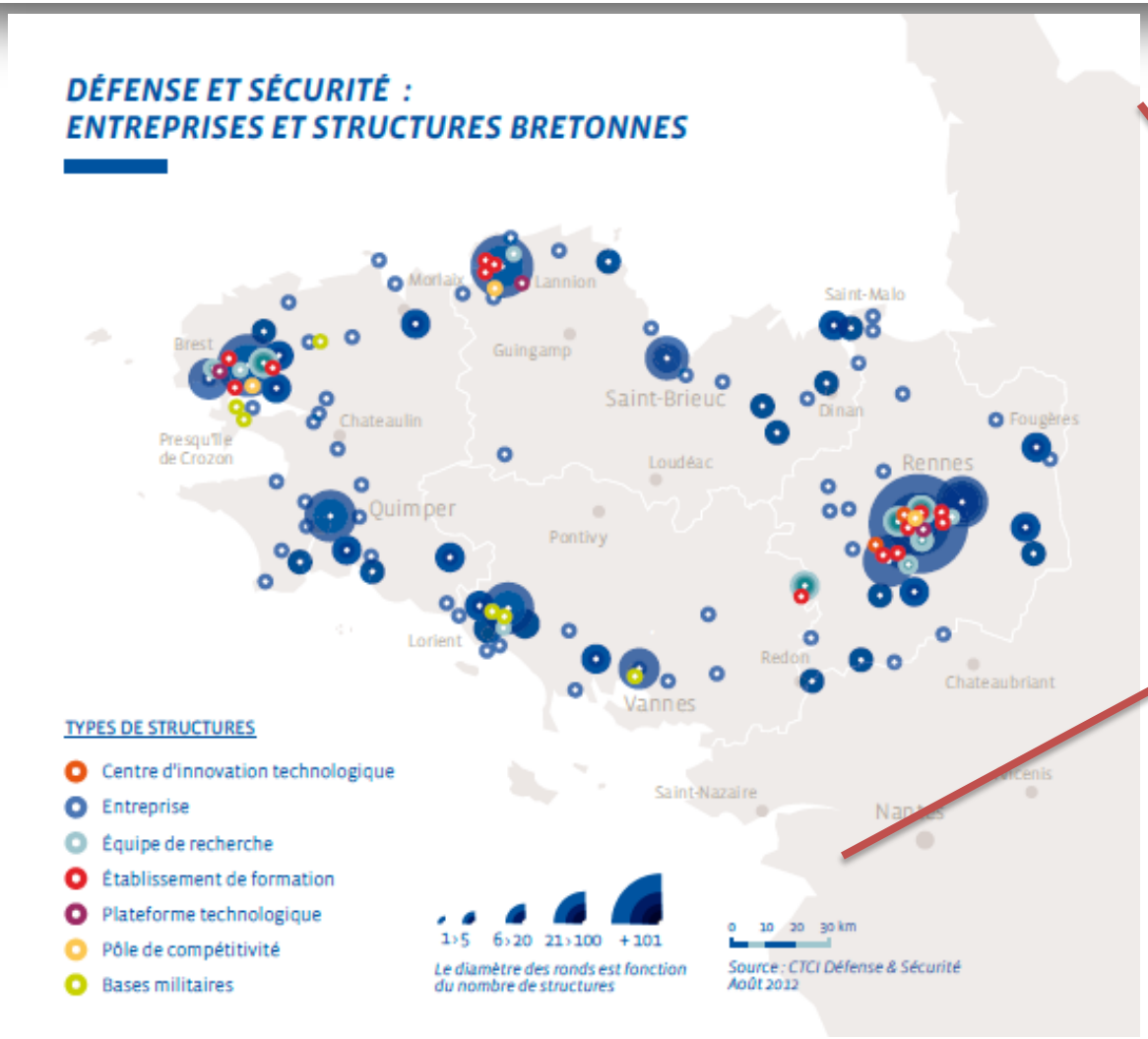
- **9 technological centers, plateforms**
- **43 research teams**

(composite material, mecatronic, photonic…)

ECONOMIC DEVELOPMENT AND GROWTH

BRETAGNE
DÉVELOPPEMENT
INNOVATION

DÉFENSE ET SÉCURITÉ : ENTREPRISES ET STRUCTURES BRETONNES



Dual activities :

BRETAGNE DÉVELOPPEMENT INNOVATION

Objective

diversification to MRE & Oil and Gas fields

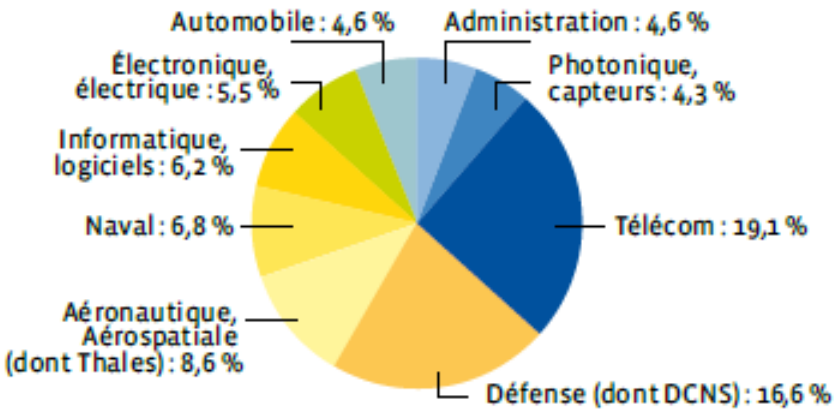
Our role

supporting them in better understanding the other markets expectations and rules

Defense entreprises : which application fields and research topics?

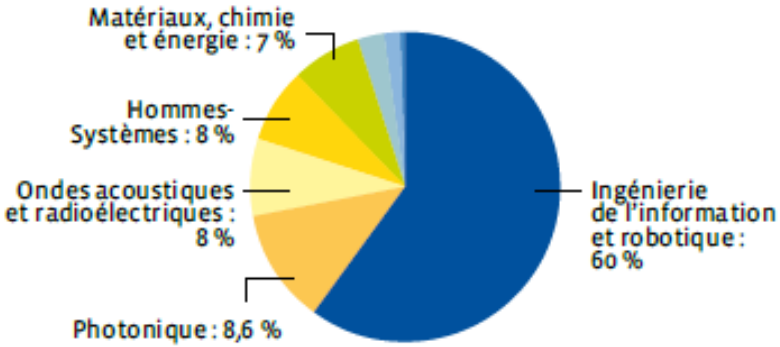
BRETAGNE DÉVELOPPEMENT INNOVATION

Secteurs d'activités principales des entreprises bretonnes de la filière Défense et Sécurité
(en pourcentage de structures par métiers)



Source : CTCI Défense & Sécurité - Août 2012

Les domaines scientifiques (références par la DGA) **investis par les PME et laboratoires bretons**
(en pourcentage de structures par domaine)



Source : CTCI Défense & Sécurité - Août 2012

Dual innovation program

BRETAGNE DÉVELOPPEMENT INNOVATION

- R&D : Rapid project (since 2009)

- Defense Small business act (2012) : project outputs are both military and dual

PART II

CLUSTERS IN BRITTANY

Combination of top dow and bottom up

BRETAGNE DÉVELOPPEMENT INNOVATION

Bottom up Clusters

BPN : shipbuilding repair and conversion industry
GICAN- Navy

EDEN –European defense economic network GICAT Land forces

IEF Aéro Aerospacial, defense and security – GIFAS (Air force)

Top down Clusters

Photonics Cluster

MEITO (electronic)

Pole Mer Bretagne (Sea)

Pole Images et Réseaux (Image & Network)

Clusters role

BRETAGNE DÉVELOPPEMENT INNOVATION

Diversification

Develop trust within members

Offering a critical mass to :

- set up consortium for call for tender
- Promote larger know how and competencies
- find solutions to shared needs (eg : training)

Being the main contact point for ports infrastructures changes

PART III

Focus on BPN

Focus on Bretagne Pôle Naval, the Brittany Marine Cluster

BRETAGNE DÉVELOPPEMENT INNOVATION

Created in 2007

Objective :

Develop, integrate and organize the naval and the Marine Renewable energies sectors

18000 employees

Market driven

More than 100 companies

BPN Tools

BRETAGNE DÉVELOPPEMENT INNOVATION

- Directories
  - Marine Renewable energies
  - Oil and Gas
  - Shipbuilding and repair

www.bretagnepolenaval.org

Open to international collaboration :

BRETAGNE DÉVELOPPEMENT INNOVATION

Workshop

« How to reach UK defence market
20th of February

To conclude

BRETAGNE DÉVELOPPEMENT INNOVATION

Bretagne is a land of networks

already working on tomorrow’s technologies

having technological human and industrial capital

and ready to cooperate

Thank you for your attention

I wish your a happy and prosperous new year