

Research Valorization in France after the 10th anniversary of innovation law

Vincent LAMANDE
President réseau C.U.R.I.E.

Conferencia Anual de RedOTRI
Tenerife 2009
3-5 junio de 2009

Plan:

General context

New instruments: mutualisation of TTO's

Specific other incentives: CARNOT network

Plan:

General context

New instruments: mutualisation of TTO's

Specific other incentives: CARNOT network

Policy historical milestones

- 1982 : framework law for research and technology
- 1984 : law organizing higher education and Universities
- 1999** : innovation and research law
- 2006 : research program law
- 2007 : law increasing autonomy of universities

French specificities of Tech Transfer

- Historically strong national organisms (CNRS, INSERM, INRA, INRIA, etc...) : usually “thematic” poles
- Since 3 years: Emerging “geographical” poles (15)
 - organised at regional level or (i.e. Bretagne, Aquitaine, Alsace)
 - agglomeration when big enough (i.e. Paris, Lyon, Toulouse)
- strong disparities & differences among structures

French institutional reforms

- Increasing role of campus
 - 2005 tender organised by the Ministry of Research (12,5M €)
 - strong wish of French President Nicolas Sarkozy (quoting Berkeley university - 22 january 2009)
- Agenda for next years:
 - Progressive autonomy of universities
 - Change of rules regarding IP management among public organisms: unique mandatory
 - Increasing role given to universities versus organisms regarding “valorisation”: TT & commercialisation activities
 - Privatisation of TT ?

Maximize technology transfer from public research to economy

- Settle new organization of technology transfer
- Organization based on geographic logic
- Improve professionalism of staffs
- Support (by funding) proof of concept

Plan:

General context

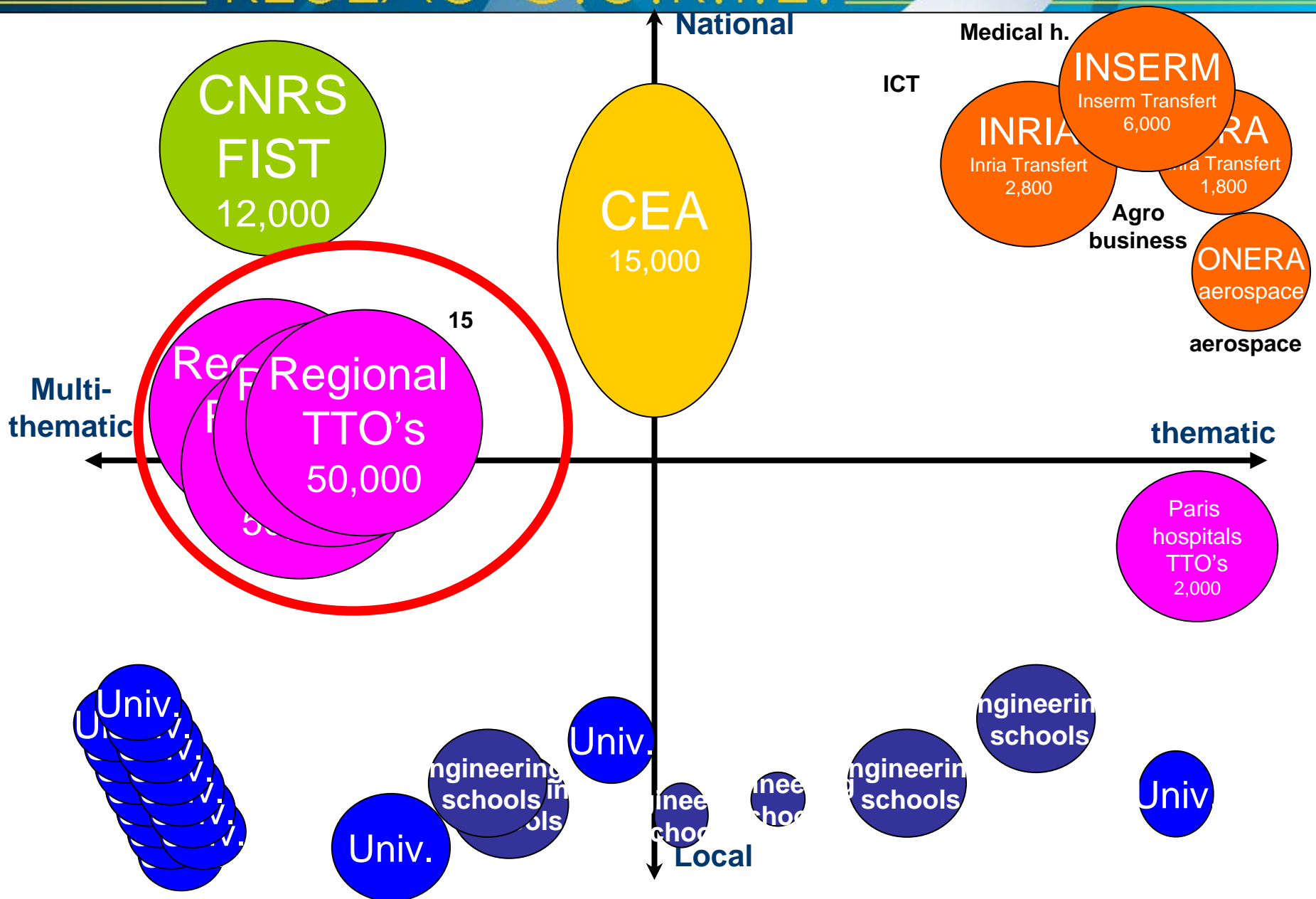
New instruments: mutualisation of TTO's

Specific other incentives: CARNOT network

Consolidation among organisations

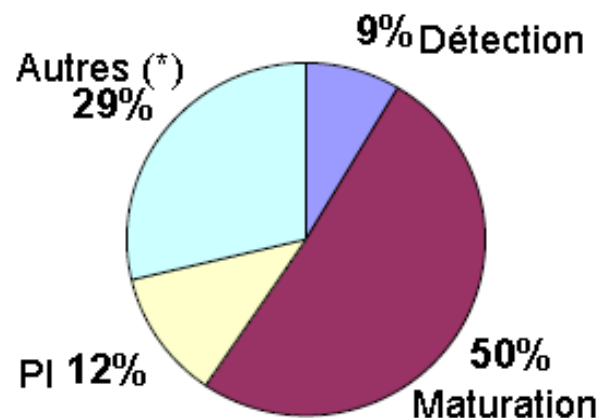
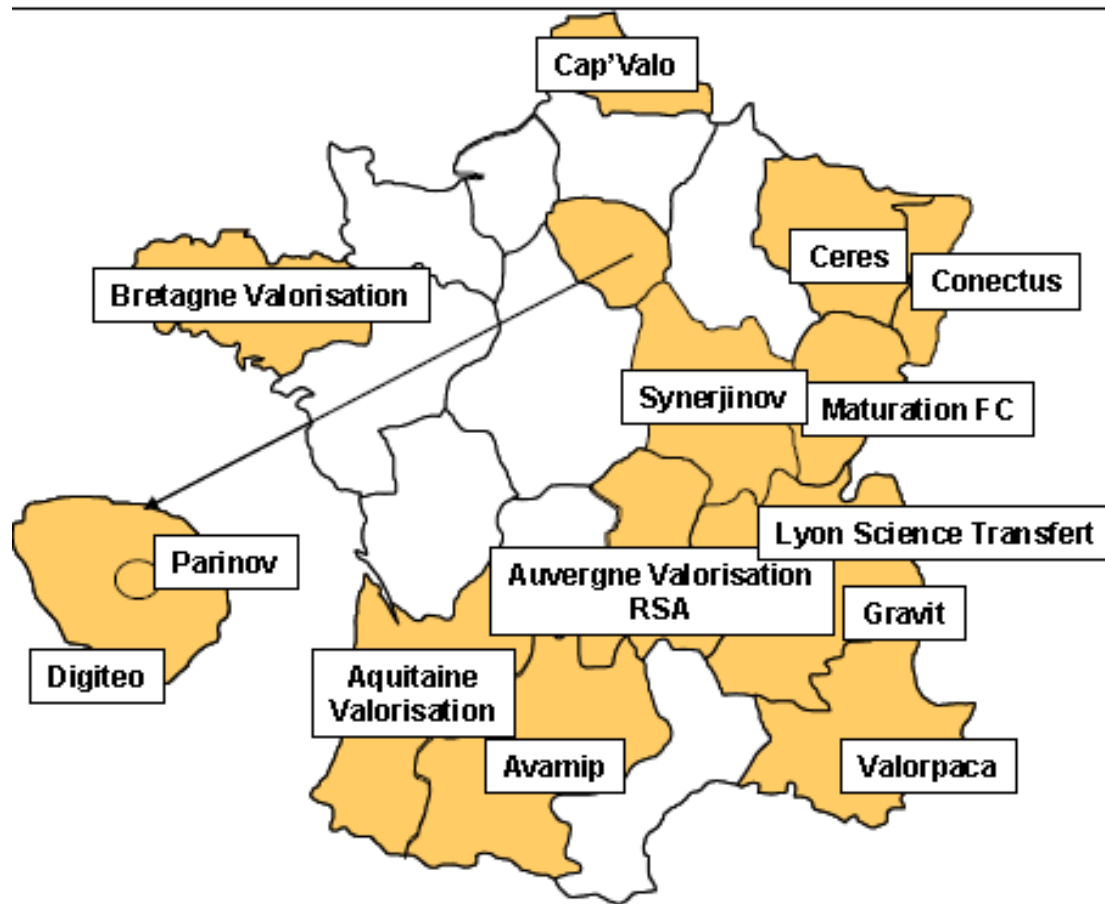
- Call for tender 2005
- 4 M€ a year since then
- Initial objective: mutualisation of maturation (poc) between PRO's in order
 - to reach a critical mass
 - more profesionalism
 - increase tech transfer

RÉSEAU C.U.R.I.E.



Global situation

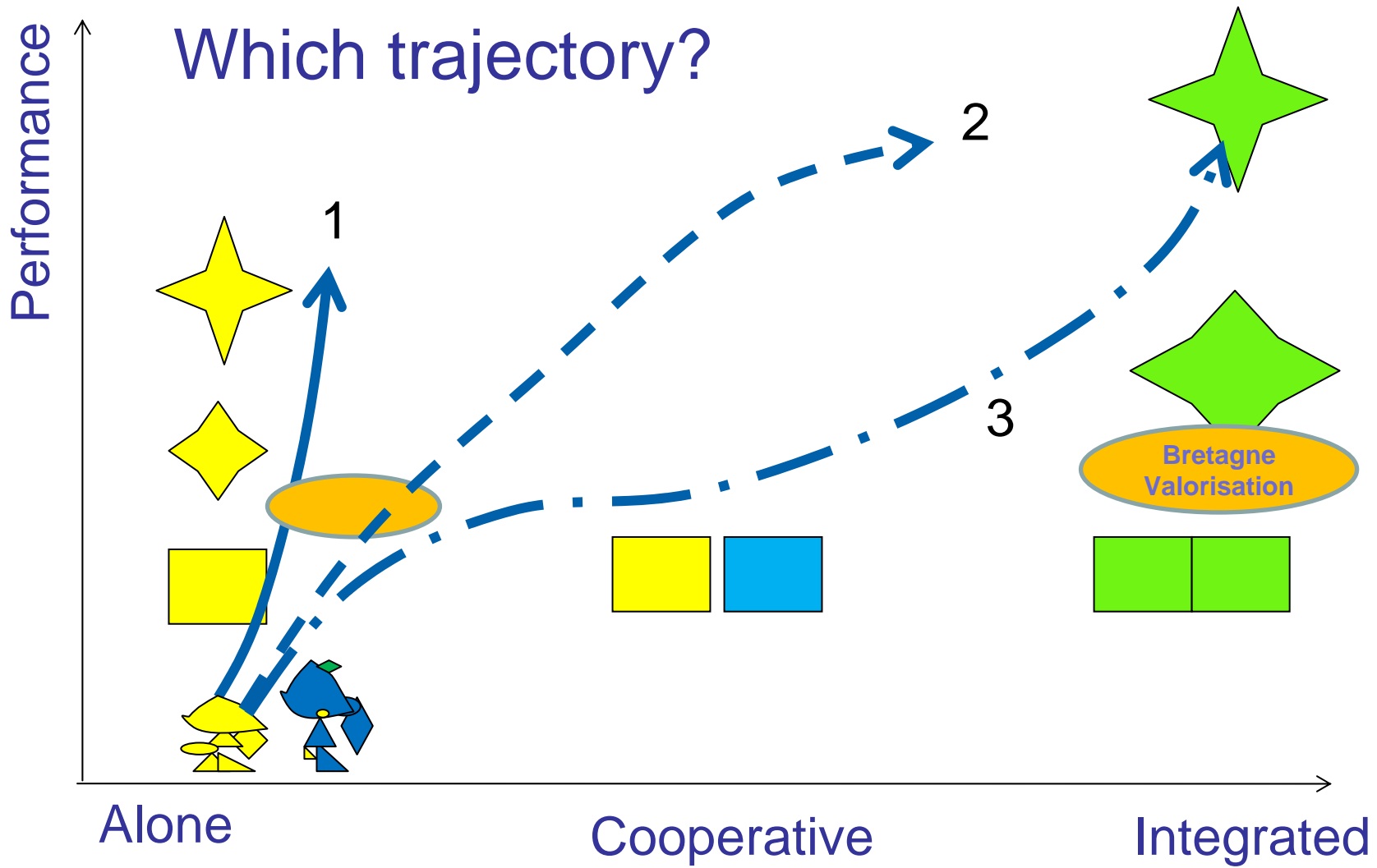
- 4 M€ per year
- 50% of France concerned



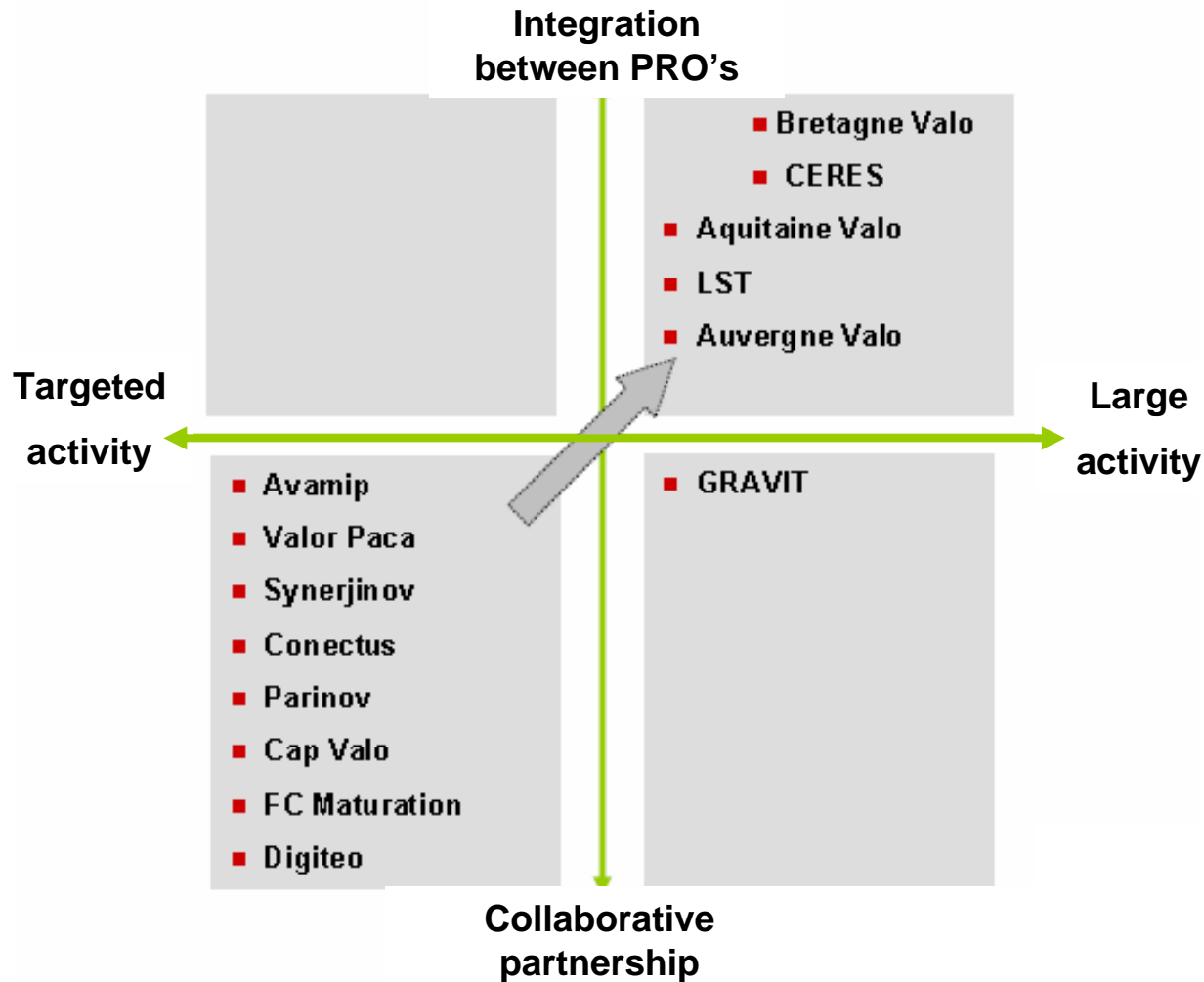
14 new mutualised organisations in France since 2005

Figures for those structures (overall)

- Potential researchers concerned : 47 700
- Full time professionals for TT : 100 persons
- Professionals for TT coming from existing former structure of individual universities : 55,1 i.e. 57,2%
- Partners involved : 121

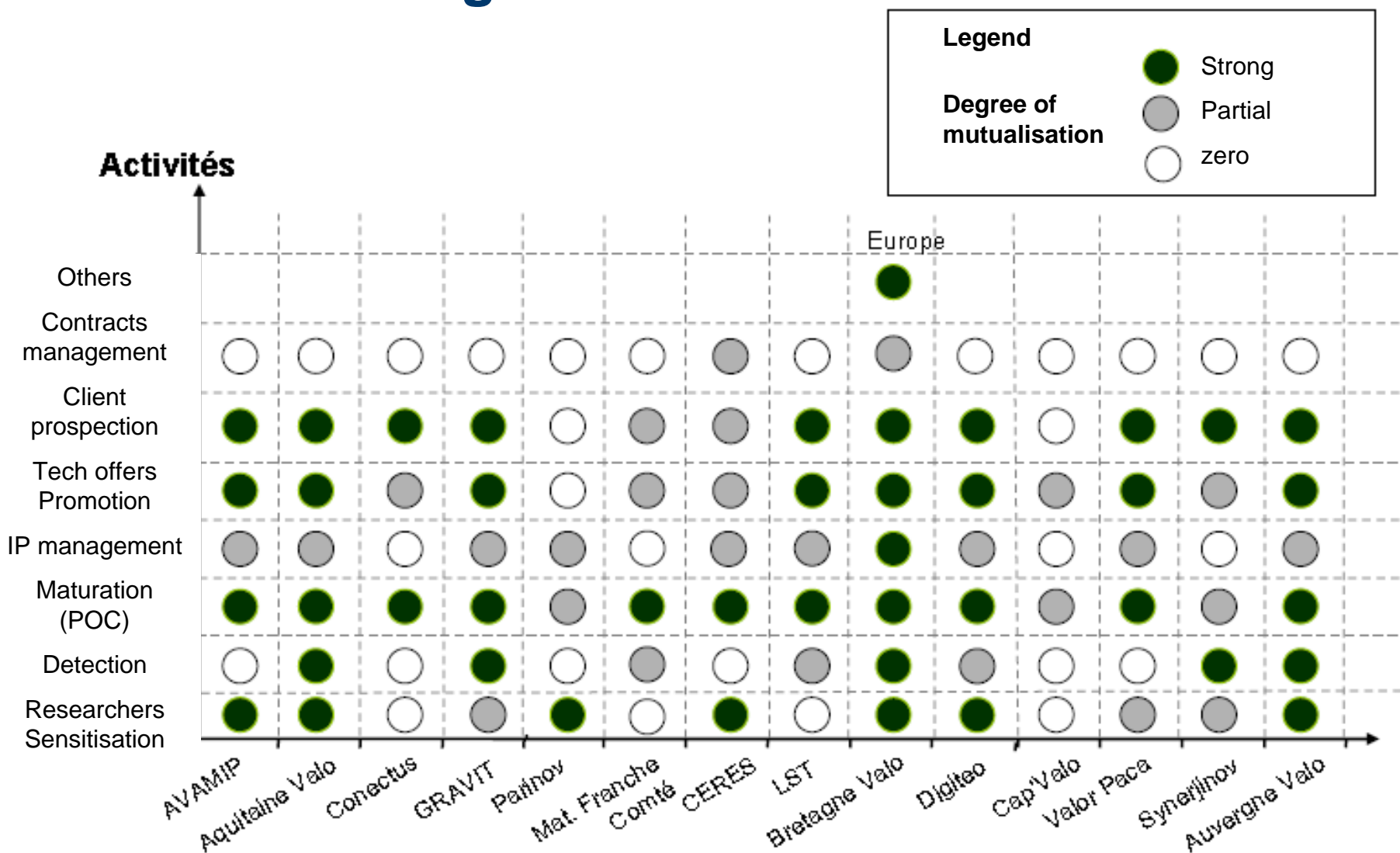


Strategy

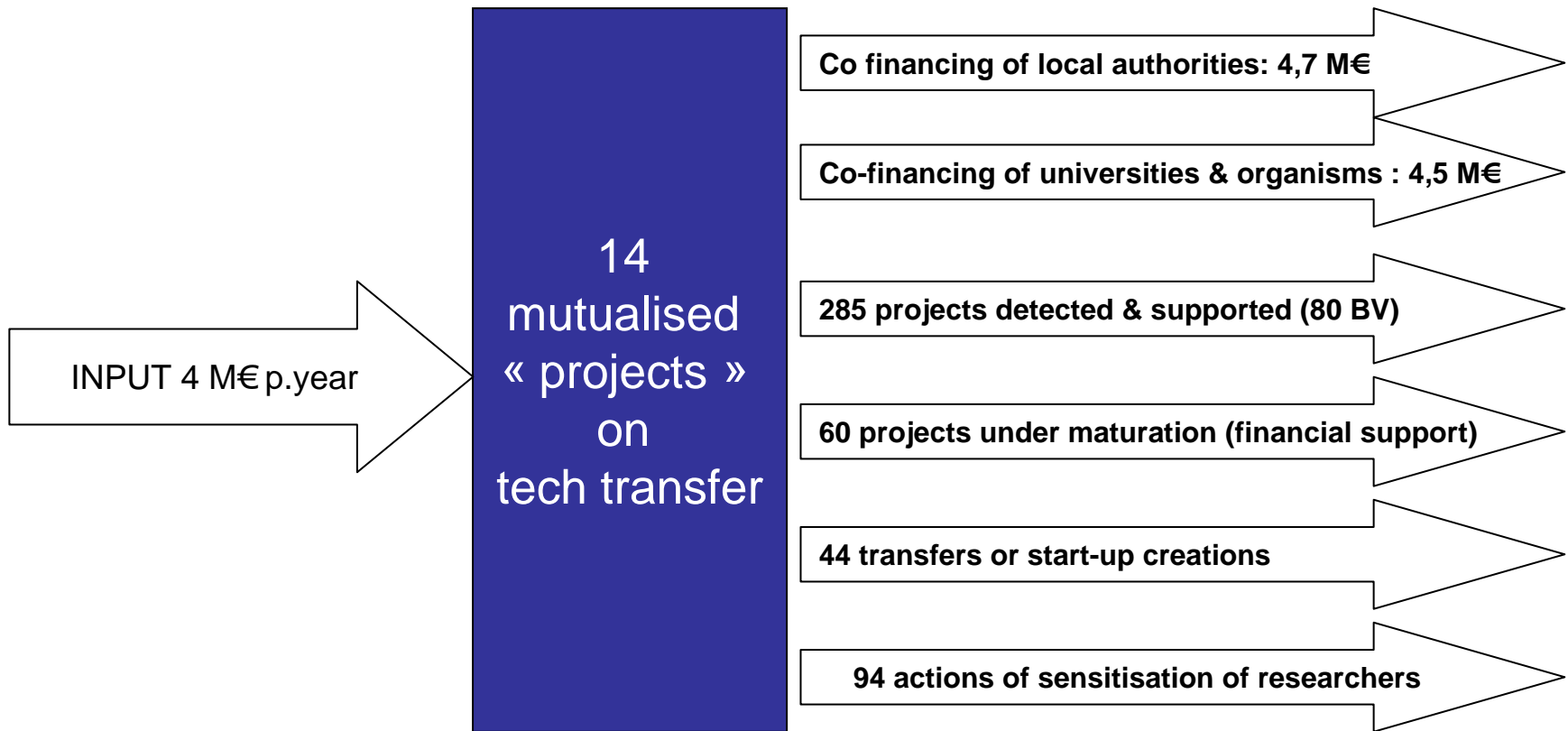


- 1/3 fully integrated
- Four joint projects have a targeted activity
- thematic (incubation)
- Functions (detection, maturation, mkt)

Degree of mutualisation



Evaluation: operational results



Source: DGRI, Ministry of higher education & research

Technology transfer, few 'key indicators'

Organisations	Patents filed		I.P. rights		R&D contracts
	2005	2007	2005	2007	2006
CEA	344	431	21 M€	26 M€	93 M€
CNRS	176	187	53 M€	57 M€	33 M€
INSERM	85	119	4 M€	5 M€	13 M€
Other National Labs	57	52	9 M€	10 M€	35 M€
Universities	395	-	9 M€	-	65 M€
Engineer Schools	-	-	< 1 M€		~ 30 M€

Source: DGRI, Ministry of higher education & research

Plan:

General context

New instruments: mutualisation of TTO's

Specific other incentives: CARNOT network

CARNOT Network

3 main goals for the public research structures :

- Development and professionalization of their research partnerships (collaborative Research)
- Support their scientific and technologic resourcing,
- Integration within a network
 - national and international visibility and accessibility
 - multi-field offer (inter-Carnot cooperation).

CARNOT Network

- Definition in 2004-2005 of the general principles of the program by the Ministry of Higher Education and Research
- First call for proposals at the end of 2005 :
- 20 Carnot Institutes selected in April 2006
- Second call for proposals at the end of 2006 :
- 13 new Carnot Institutes selected in February 2007
- Management program entrusted to ANR in 2006
- Creation of the “Association des Instituts Carnot”, federative level of the Carnot Institutes, in February 2007

CARNOT Network - Financial support

The Carnot label is given for a 4 years renewable period. Each Carnot Institute receives a financial support according to :

- the annual income from research contracts with firms and licences
- the ratio between this contractual income and the global budget of the structure

With a bonus for cooperations with SMEs

In 2006 : **36 M€ for 20 Carnot Institutes**

In 2007 and 2008 : **60 M€ for 33 Carnot Institutes**

Thanks you!

Contact:

<http://curie.asso.fr>
president@curie.asso.fr