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**The French security research program  
of the National Research Agency**

**SRC '07 – Berlin, March 26<sup>th</sup> 2007**

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# ANR : Objectives

ANR has been created in February 2005  
to provide France with a reactive structure  
devoted to projects funding  
in fundamental and applied research

Budget 2007: 825M€

# ANR organisation

- 6 thematic departments :
  - Sustainable Energy and environment
  - Biology and health
  - Ecosystems and sustainable development
  - Materials and information (STIC)
  - Engineering, processes and security
  - Humanities and social sciences
- Non thematic transverse programme

# 2006 Key figures

## **45 open calls:**

- 41 national open calls + participation in 4 ERA-Nets calls
- About half of calls with public/private partnership

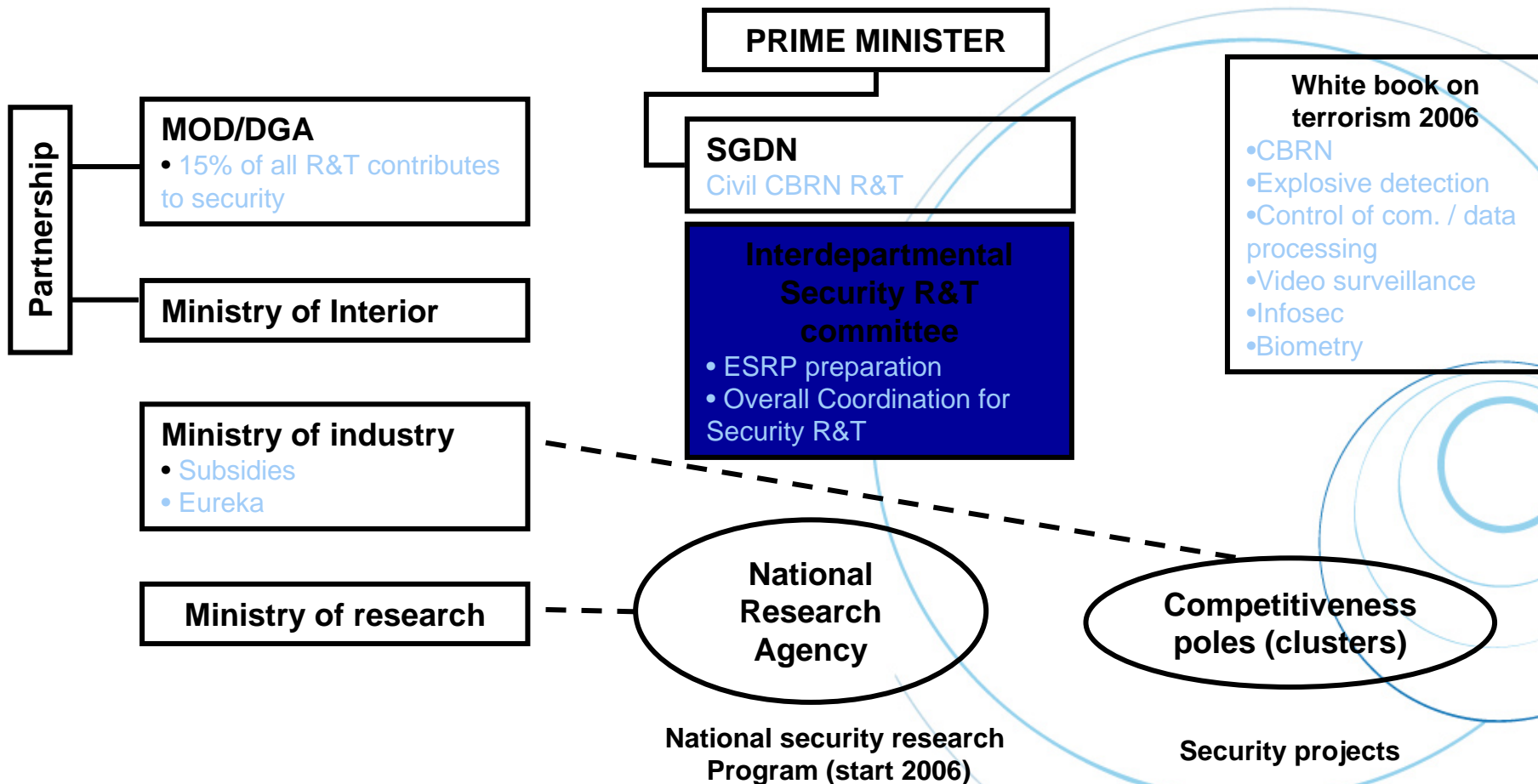
## **Total budget: 800M€**

- 6 420 proposals submitted  
+ 16,6% compared to 2005
- 1630 funded projects
- 770 industrial partners

**Average success rate : 25%**

**ANR PROGRAMME  
on  
GLOBAL SECURITY**

# State actors of security R&T



**New approach emerging: global, prospective and shared technology policy**

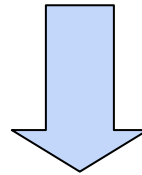
# ANR Program objectives

## System concepts and Tools for global Security

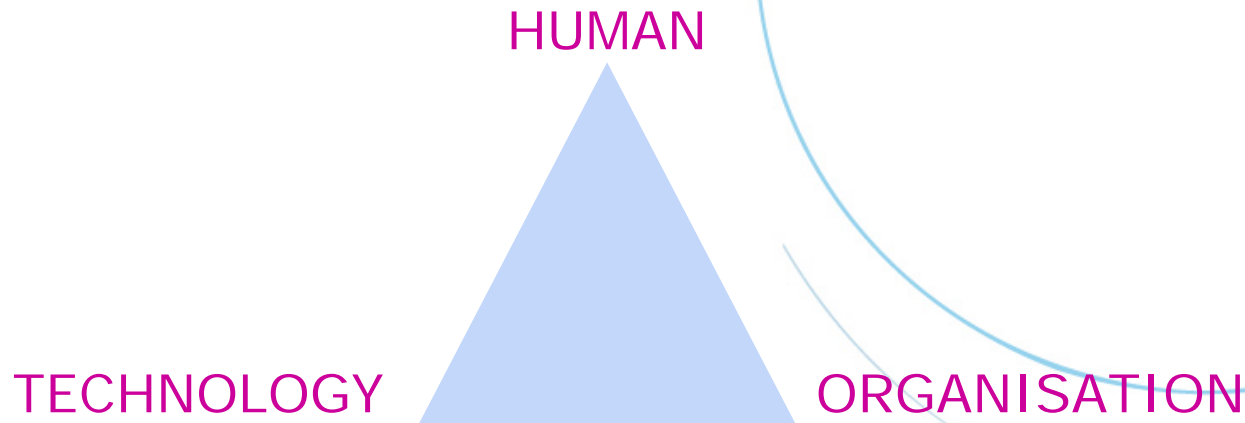
- To fund research projects with a high level of excellence considering all the perspectives for a better protection of the citizens.
- To be consistent in term of objectives with French priorities and 7<sup>th</sup> FP (ESRP)
- **This program is aiming at**
  - promoting a transverse, multi disciplinary and systemic approach
  - endorsing multiple stake holders consortium (Public & Private: industry, operators, end users and academia)

# Global approach

*Consistency with National Priorities  
and FP7- ESRP perimeter / typology*



*System approach and mission oriented*



# Multiple stake holders

**Private  
Companies**

*60% for  
SMEs, 50%  
for others*

**Research organisations**

*Public & Private*

*100%  
marginal cost*

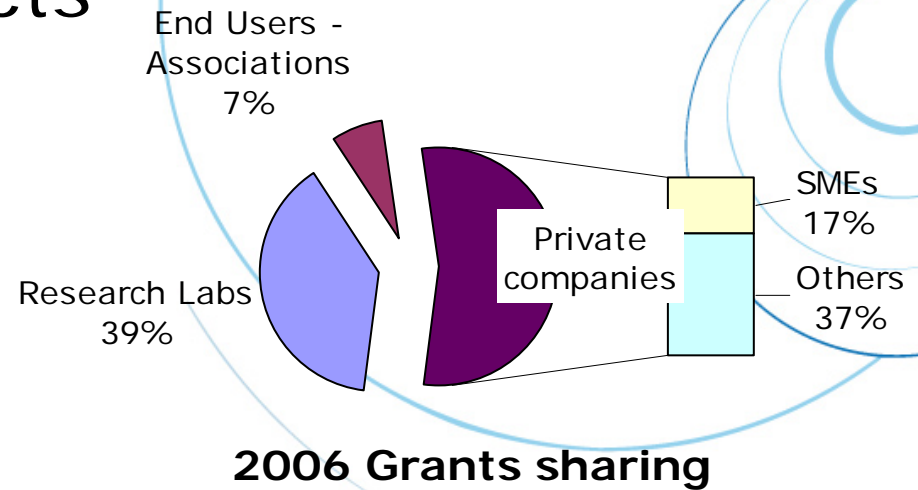
**End Users**

*Public or Private*

**Partnership or steering  
committee involvement**

# First call in 2006: Key figures

- 43 proposed projects
  - >70M€ total cost – 37 M€ requested
  - Public/Private : 101 /118 organisms
- > 150 experts involved (from P&P)
- 14 selected projects
  - 11 M€ funded
  - 80 partners



# Call 2006: selected projects

<i>Projects Title / Acronym</i>	<i>Missions</i>			
	Citizens protection (against terrorism and crime)	Critical Infrastructures and networks protection	Borders security	Crisis management
Simulation for Critical Infrastructures protection		ASPIC		
Abnormal behaviour: Analysis, detection and alerting	CanADA			
People localisation for emergency services and personnel				DEMOLOC
Global security evaluation of the underground transport systems	EGSISTE	EGSISTE		
Security policy against threats and violence in suburbs: comparison between France and US	INTERSECT			
System interoperability in case of crisis				
Data and sense mining and "generalising controlled language" for emergency protocols				ISYCRI LISE
New aerial joint operations, including UAV operations for homeland security situations	MANIF			
New intervention procedures and technologies for rescue / intervention on a CBRN event.				PROTER REALEX
Vulnerability assessment, prevention and decision-making aid for protection of industrial facilities				
Open plat-form project for real time IP packets inspection on high throughput lines.	SAFIM@GE			
A simulation tool for aerial platform evaluation and payloads specification for security missions.	SIMAVI			SIMAVI
Robotic systems evaluation for responding during a CBRN event due to terrorism act or incident.				SRIP
A software platform for crisis simulations in an autonomously evolving virtual environment.				TARANIS

# Call 2007: Thematic axes

- **Situation awareness, prevention (crime) and surveillance (people & goods)**
- **Infrastructure protection (sensitive to open and crowded ones)**
- **Network protection against threats (water and food chain, embedded system in transport)**
- **First Responder behaviour, protection and equipment (in the early stage of the crisis for civil or public forces)**
- **Neutralisation and rehabilitation**

# Conclusion

- First outcome after one year:
  - A research community effect
  - An efficient transverse and multidisciplinary approach
  - A synergy between national and European program:
    - for actors : for example SMEs
    - at priorities level.
- Expectations for 2007/2008:
  - A confirmation and enhancement in term of quality and diversity of the actors
  - A good synergy with the calls of the FP7<sup>th</sup>
  - A new link with the other national programs through:
    - the sharing of an expert data base
    - other potential initiatives.
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