

Seventh Framework
Programme 2007-2013

Security Research

Health Security Committee
CBRN Section

30 September 2009

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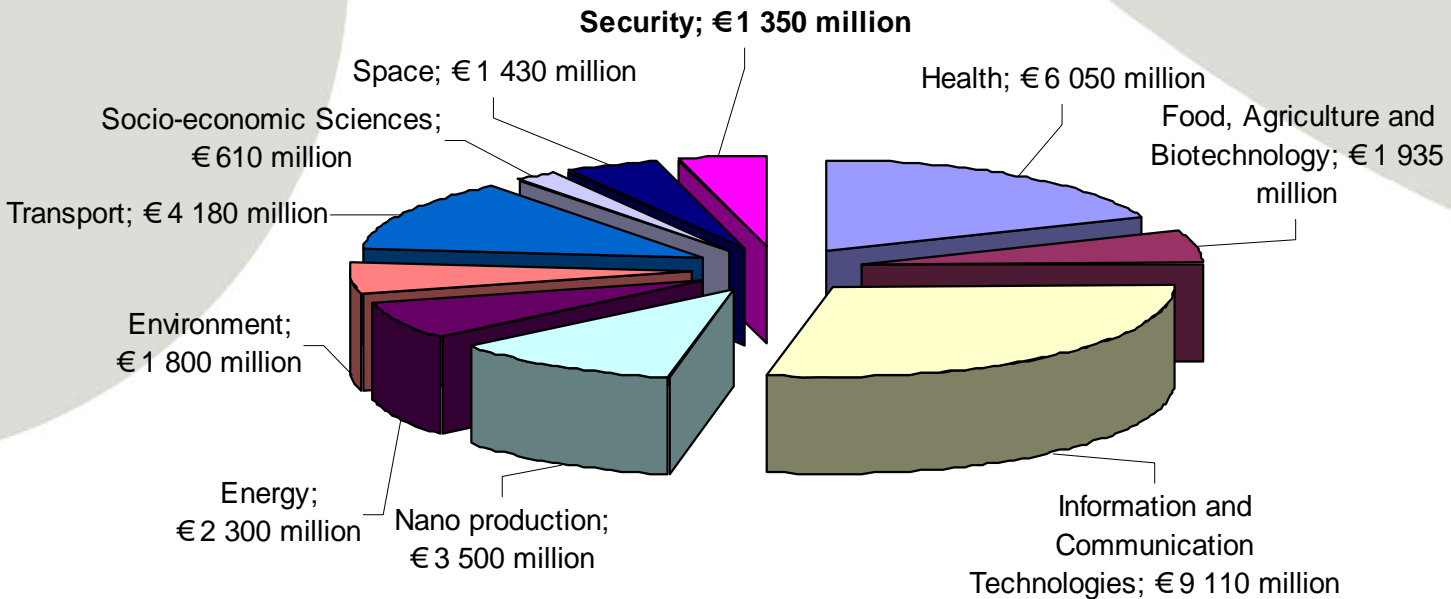


European Commission
Enterprise and Industry

7th Framework Programme for R&D – FP7

FP7 overall budget € 50.5 billion

Cooperation Specific Programme € 32 365 million



FP7 Cooperation principles

- **Collaborative research project:**
 - **Min 3 participating entities** (e.g. universities, large enterprises, SMEs, research centres, “users organisation”...)
 - From **3 participating countries** (27 Members States + Associated Countries)
- **Grants (subvention)**
 - **50% funding** (75% for SMEs, universities...)
 - **IPRs** (results) belong to the consortium (participants)
- **Peers review**
 - **Peers** review (independent experts)
 - **Scientific** quality first
 - **European** added value

European Security Research Programme

European Security Research
Advisory Board - ESRAB

Preparatory Action for Security Research
PASR (2004-2006)

European Security
Research within FP 7
(2007 -2013)



Security theme : objectives

- ✓ Develop **technologies and knowledge** to ensure security of citizens from threats such as **terrorism**, (organised) **crime**, natural **disasters** and industrial accidents.
 - ✓ While respecting **fundamental rights**
 - ✓ Ensure optimal use of technology to the benefit of civil European security
 - ✓ Stimulate co-operation of providers and **users**
 - ✓ Improve **competitiveness** of the European security industry
 - ✓ **Mission oriented** results to reduce security gaps
 - ✓ Exclusively **civil oriented** and clear European added value
 - ✓ In coordination with **EDA***'s activities
- *European Defence Agency

FP7 Security Structure

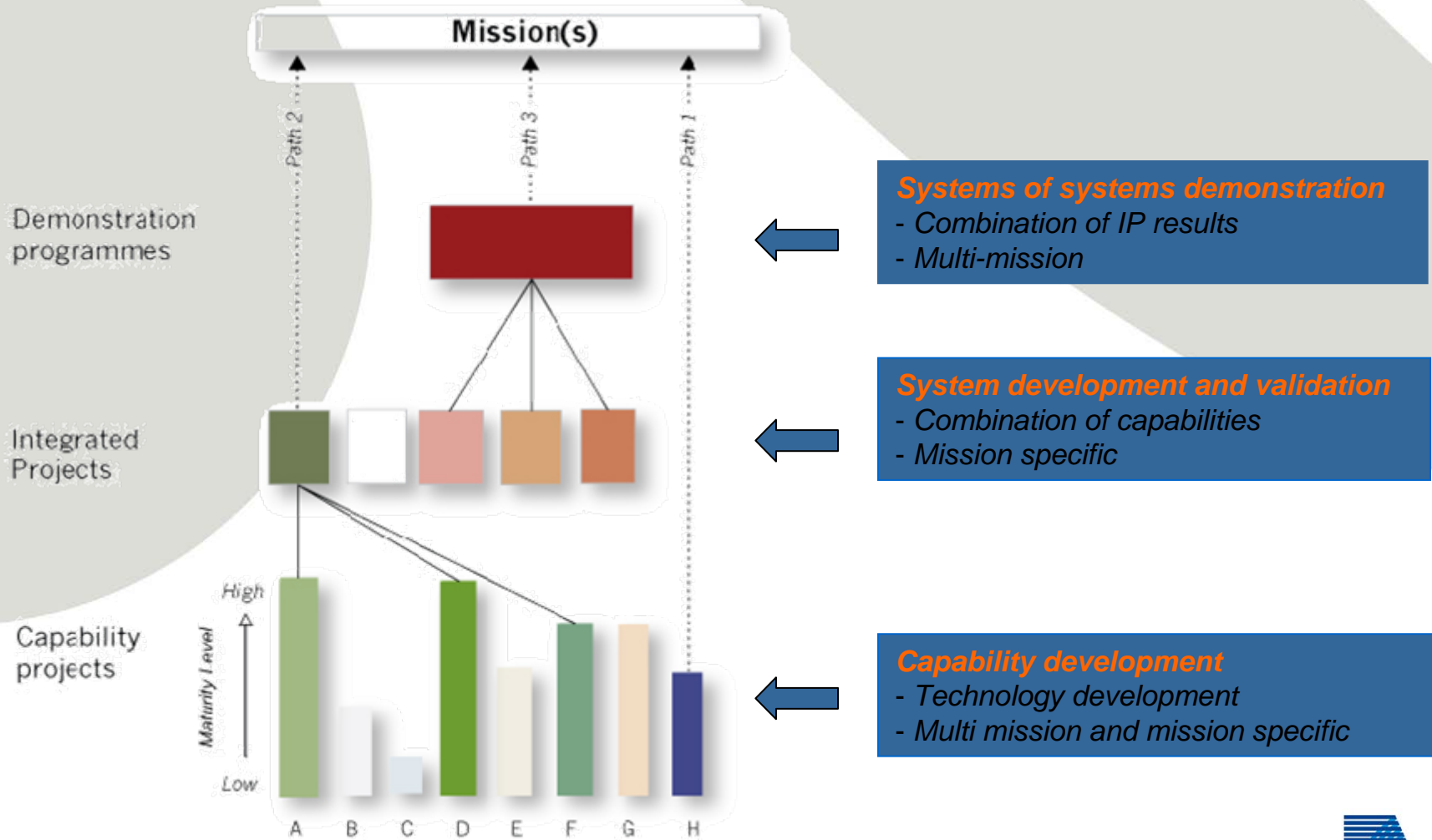
Four Security missions

1. Security of citizens
2. Security of infrastructures and utilities
3. Intelligent surveillance and border security
4. Restoring security and safety in case of crisis

Three cross cutting activities

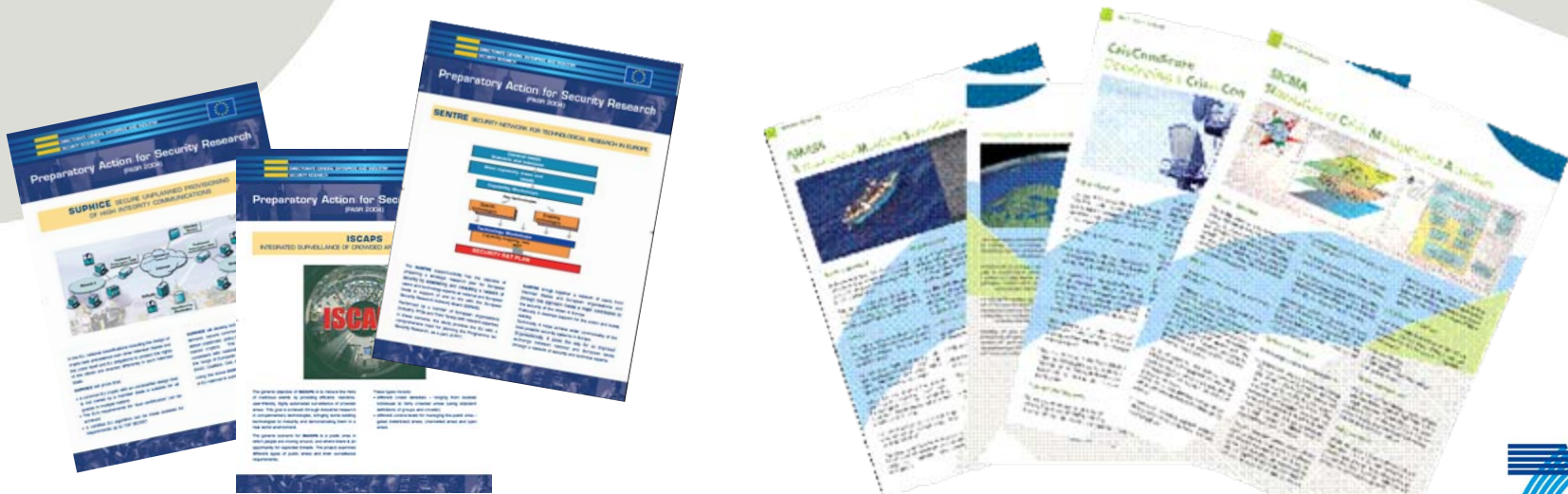
5. Security systems integration, interconnectivity and interoperability
6. Security and Society
7. Security Research coordination and structuring

Meeting the objectives



Already funded/selected projects

- **PASR 2004-2006** => **3x15 M€** - 39 projects
- **FP7-SEC-2007-1** => **160 M€** - 50 projects
- **FP7-ICT-SEC-2007-1** => **22 M€** - 9 projects
- **FP7-SEC-2009-1** => **136 M€** - 32 projects (under negot.)



PASR projects:

Bio3R - Bioterrorism Resilience, Research, Reaction - www.bio3r.net

BODE - Biological optical detection experiment

IMPACT - Innovative Measures for Protection Against CBRN Terrorism

TIARA - Treatment Initiatives after Radiological Accidents

WATERSAFE - On-line monitoring of drinking water for public security from deliberate or accidental contamination

FP7 projects

BeSeCu - Human behaviour in crisis situations : A cross cultural investigation in order to tailor security-related communication - www.besecu.de

CAST - Comparative assessment of security-centered training curricula for first responders on disaster management in the EU - www.research.sbg.ac.at/cast

COCAE - *Innovative RN detectors* - <http://www.cocae.eu/>

COPE - COMMON OPERATIONAL PICTURE EXPLOITATION - <http://cope.vtt.fi/>

FP7 2nd call (projects under negotiation):

- CBRNE demo phase 1 (x2)
- B-detection (2 Capability Projects)
- CBRN crisis (1 Integration Project)
- Bio dosim. / R-casualties (2 Capability Projects)

CBRNE demonstration programme

Demonstration of a consistent portfolio of counter measures for CBRNE along the chain from prevention to response and recovery. Interoperable and mobile solutions will significantly lower unit cost whilst international cooperation and multiple domain application offer strong multipliers for success.

CBRNE will require an integrated approach to threat assessment and consequence modelling, detection and identification of agents and devices, incident management tools, infrastructure protection mechanisms for individuals and environments, decontamination

- 2 support actions for phase 1 selected after call FP7-SEC-2009-1 DECOTESSC1 led by TNO - contact: Mark.vandenBrink@tno.nl
- CBRNE msp led by Umeå Universitet – contact: ake.sellstrom@cbrnecenter.eu
- Phase 2 – planned in call FP7-SEC-2012 (launched in 2011)

UNDER NEGOTIATION

Security Research 3rd Call

FP7-SEC-2010-1 indicative planning

30 July 2009 Publication

26 November 2009 Deadline

Jan/March 2010 Evaluation

June 2010 Start of negotiations

From end of 2010 Projects to start

~210 M€

Security of Citizens

- Capability projects
 - 1.3-2 Tackling counterfeit medicines and related criminal networks
- Coordination and support actions
 - 1.4-2 Controlling the change of properties of chemicals to preclude misuse

Restoring safety and security in case of crisis

- **Demonstration programme**
 - 4.1-1 Aftermath crisis management - phase I
- **Integration projects**
 - 4.2-1 Interoperability of data, systems, tools and equipment
 - 4.2-2 Preparedness and Resilience to a CBRN crisis
- **Capability projects**
 - 4.3-1 Alert and communication, including role of media, towards the population in crisis management
 - 4.3-2 Adaptation of existing Decision Support Systems (DSS) to new radiological threats
- **Coordination and support action**
 - 4.4-1 Basic service restoration (e.g. energy, water, communication), business continuity, domestic/ environmental normality

Security and Society

- 6.1-2 Develop models and tools to detect and evaluate risks of terrorism
- 6.3-3 Research on rigorous methodologies for assessment of security investments and trade-off between security and other societal objectives (e.g. privacy and social cohesion)
- 6.4-1 Cost-benefit analysis of the present and future security measures in Europe

Security research coordination and structuring

- 7.0-1 Networking of researchers for a high level multi-organisational and cross-border collaboration
- 7.0-2 Feasibility study for EU policy on high-level multi-organisational and trans-boundary interoperable field labs and test centres
- 7.0-3 Critical and emerging technologies for security

Important EU players

DG JLS / Fight against terrorism

http://ec.europa.eu/justice_home/fsj/terrorism/

DG SANCO / Health threats

<http://ec.europa.eu/health-eu/>

DG ENV / Civil Protection

<http://ec.europa.eu/environment/civil/>

DG RTD / Health, Euratom...

European Defence Agency

<http://www.eda.europa.eu/>

Further information

DG Enterprise and Industry website:

<http://ec.europa.eu/enterprise/security/>

Contact: entr-security-research@ec.europa.eu

CORDIS FP7 website:

http://cordis.europa.eu/fp7/security/home_en.html

- Work Programme
- Call for proposals
- Guide for applicants
- etc.