

Security Research and Development

The European Security Research Programme

Khoen Liem, European Commission DG ENTR

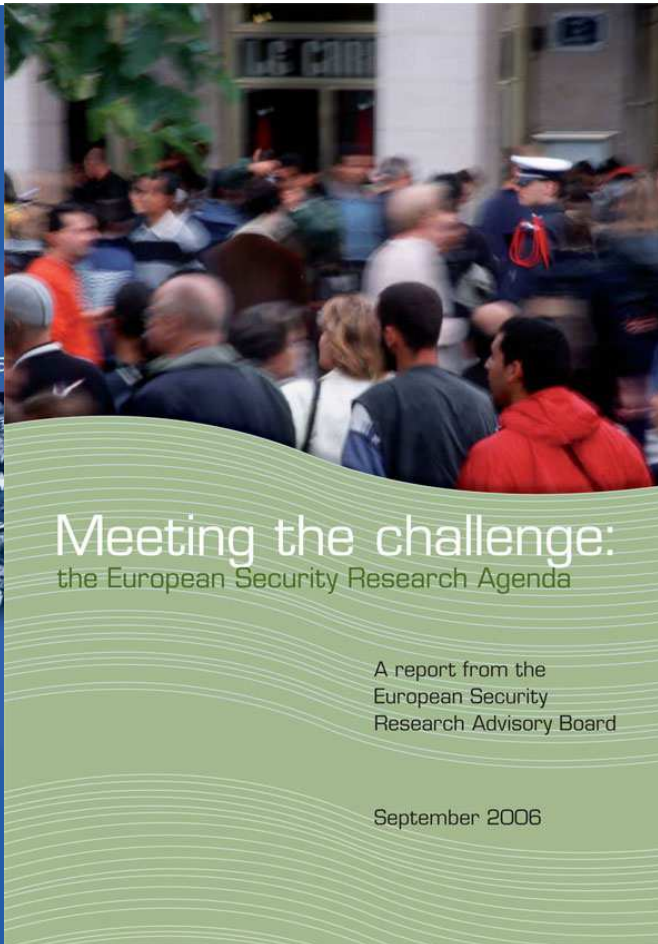
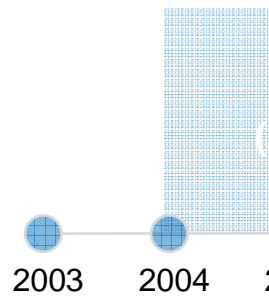
**(Inland Transport Security seminar,
Geneva, 15 January 2009)**



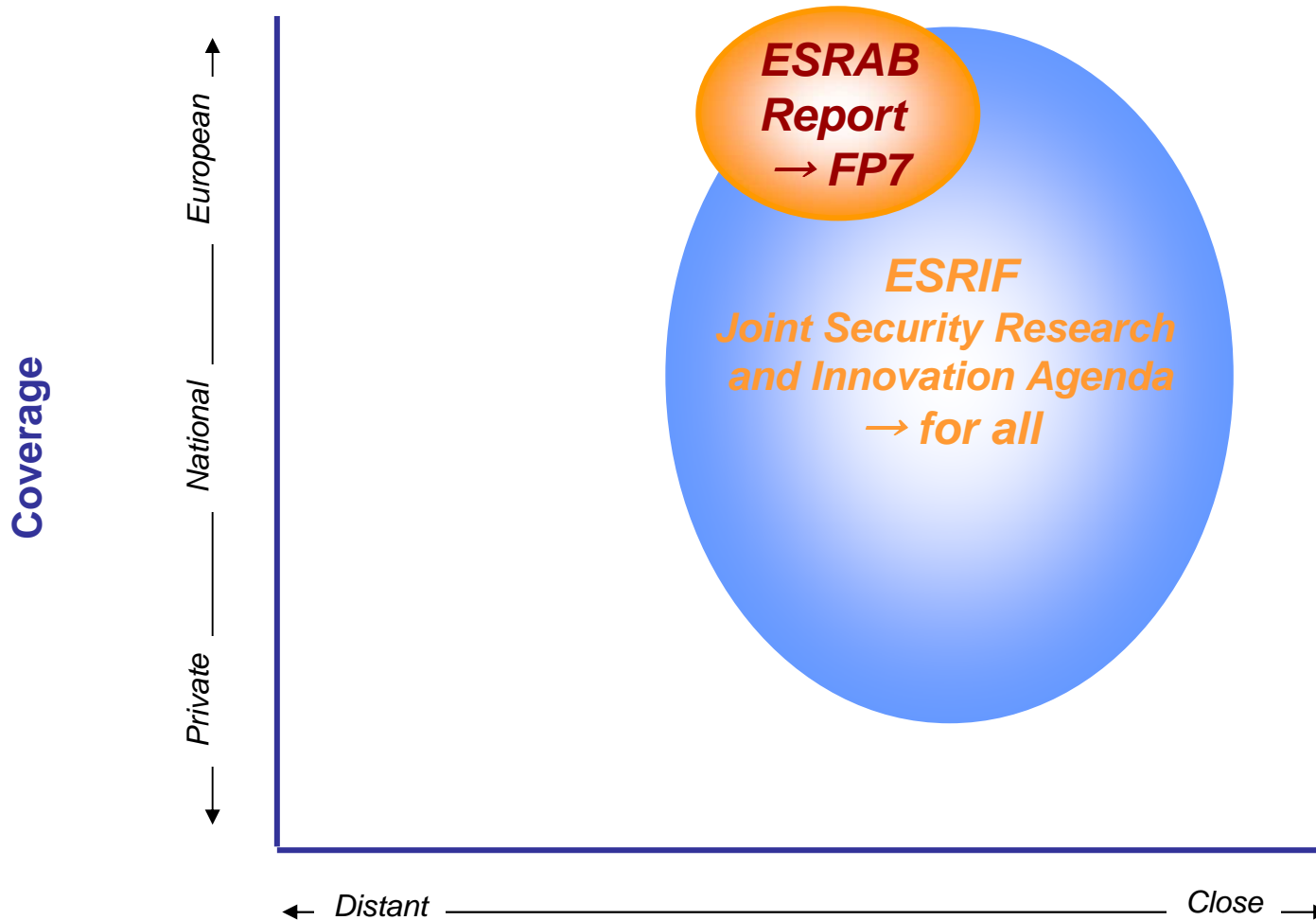
European Commission
Enterprise and Industry

What Europe is doing

CoP
(2003 - 2004)



Scope of the ESRIF approach



European Commission
Enterprise and Industry

Market proximity

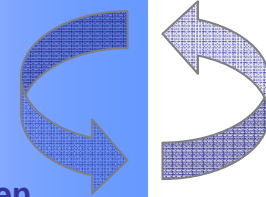
ESRIF working structures

50-70

European Security Research and Innovation Forum

Public – private
European – national (EU MS + FP7 Associated Countries)
Demand side – supply side – civil society side
Various application areas and disciplines

Chairman
+ 2 deputy chairmen



Annual public
Event:
SRC'08,
SRC'09

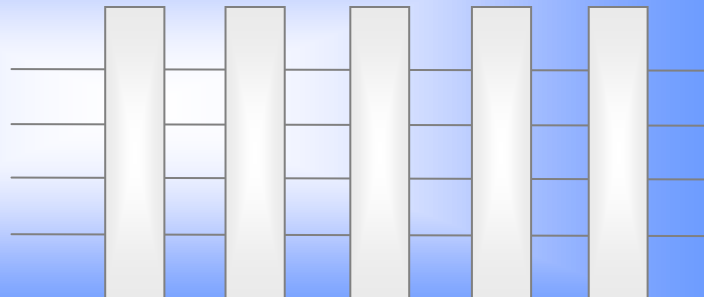
Integration Team

600

11 working groups

Additional contributors
(on recommendation
or confirmed by members)
to bring in additional
expertise and fill gaps
in representation

Working group leaders & rapporteurs

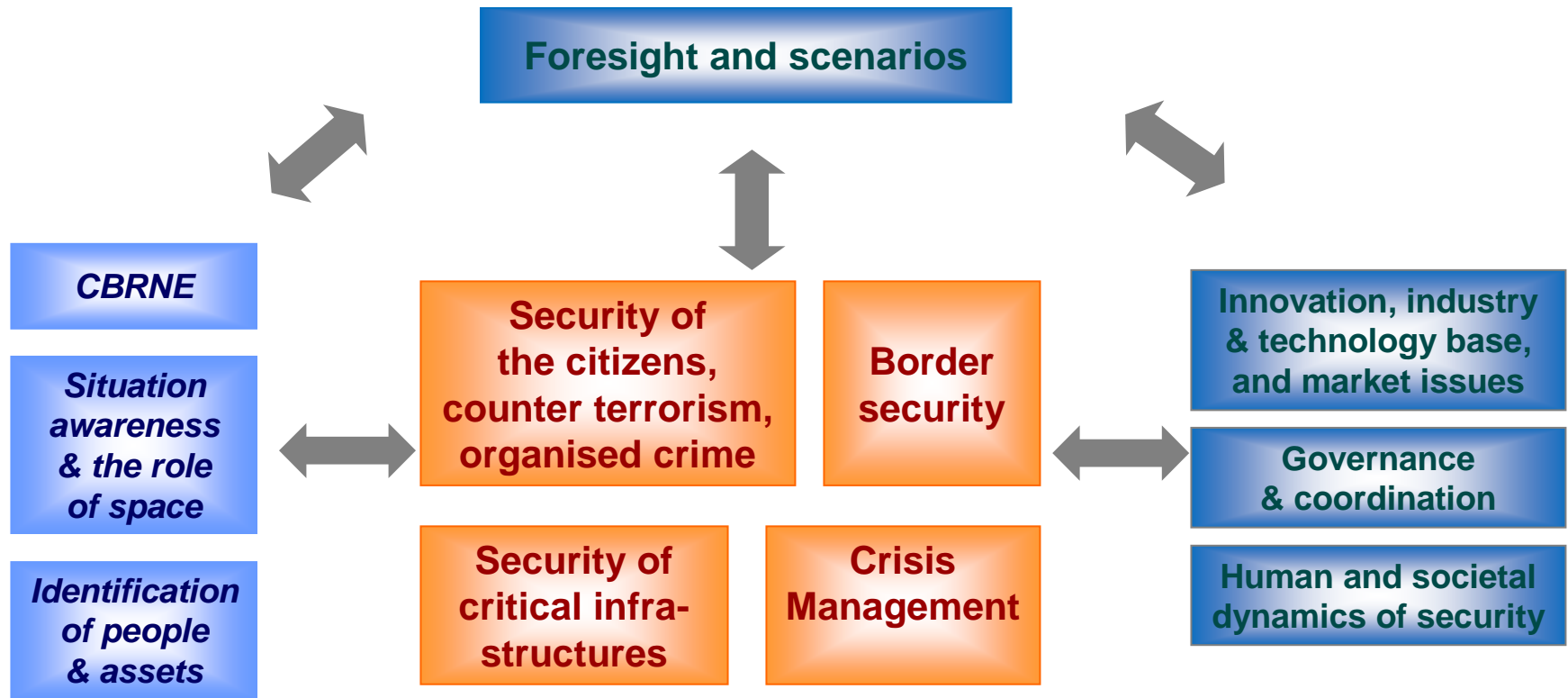


Regular virtual meetings,
face-to-face meetings 4-8 times p.a.



European Commission
Enterprise and Industry

ESRIF working groups



Working groups on special challenges across the political missions

Working groups along political missions & thematic areas

Working groups concerning horizontal issues



European Commission
Enterprise and Industry



European Commission security research in FP7



European Commission
Enterprise and Industry



FP7 (2007-2013)

Cooperation programme 32.413 M €

1. Health
2. Food, Agriculture & Biotechnology
3. Information & Communication Technologies
4. Nanosciences, Nanotechnologies, Materials & new Production Technologies
5. Energy
6. Environment (including Climate Change)
7. Transport (including Aeronautics)
8. Socio-economic Sciences & Humanities
9. Space
10. **Security** **1.400 M€**

More on http://cordis.europa.eu/fp7/home_en.html



European Commission
Enterprise and Industry

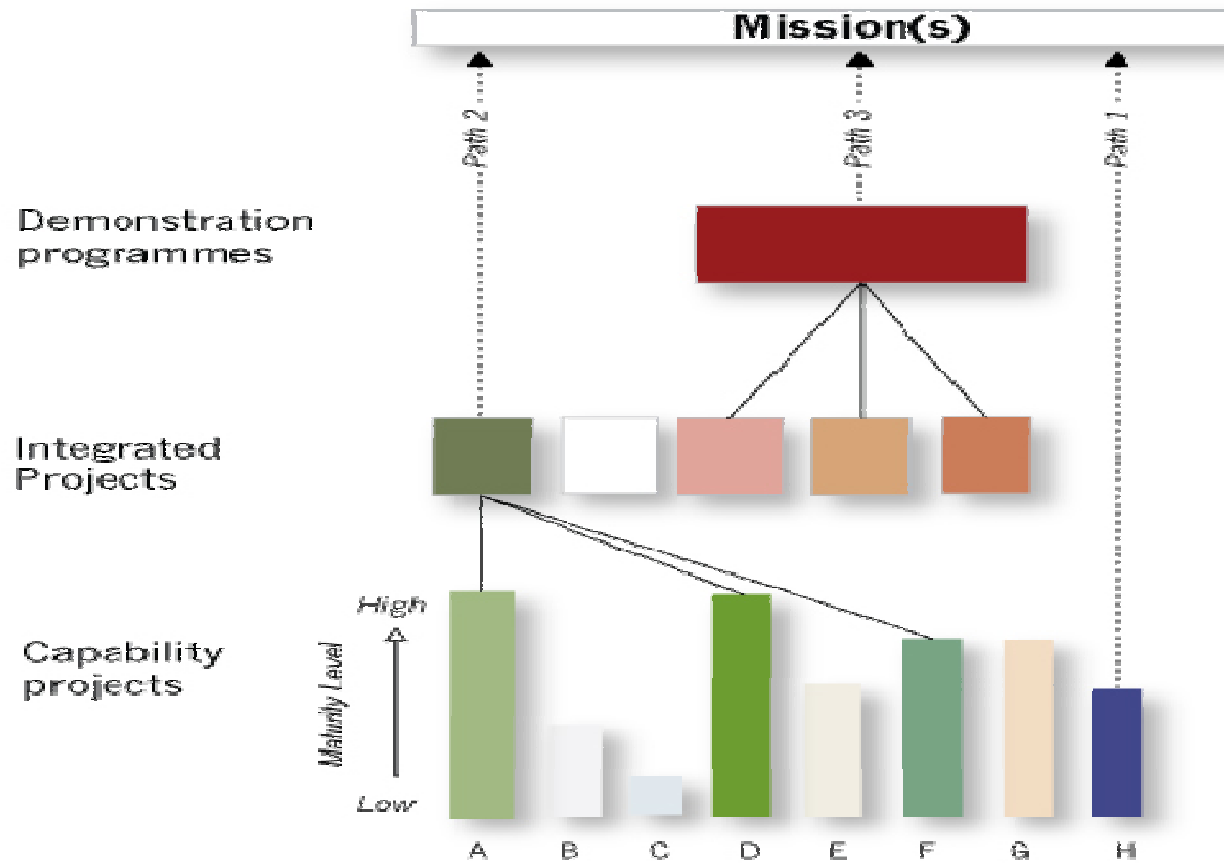


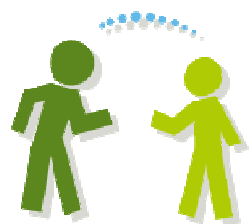
Users first

- **Security of citizens**
- **Security of infrastructure**
- **Border security**
- **Crisis management**
- **Interoperability / interconnectivity**
- **Security and society**
- **Coordination and structure**



Research paths



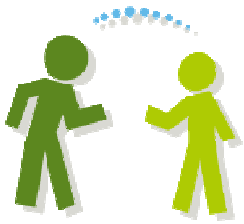


Research and **Innovation**

Validation / Certification / Standards



European Commission
Enterprise and Industry



Users:

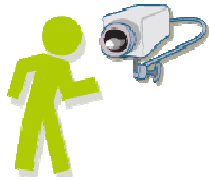
Police forces
Border guards
Infrastructure operators
Civil protection
etc.



Testing new solutions:

Explosives detection
Crowd surveillance
Open source intelligence
etc.





Security and society

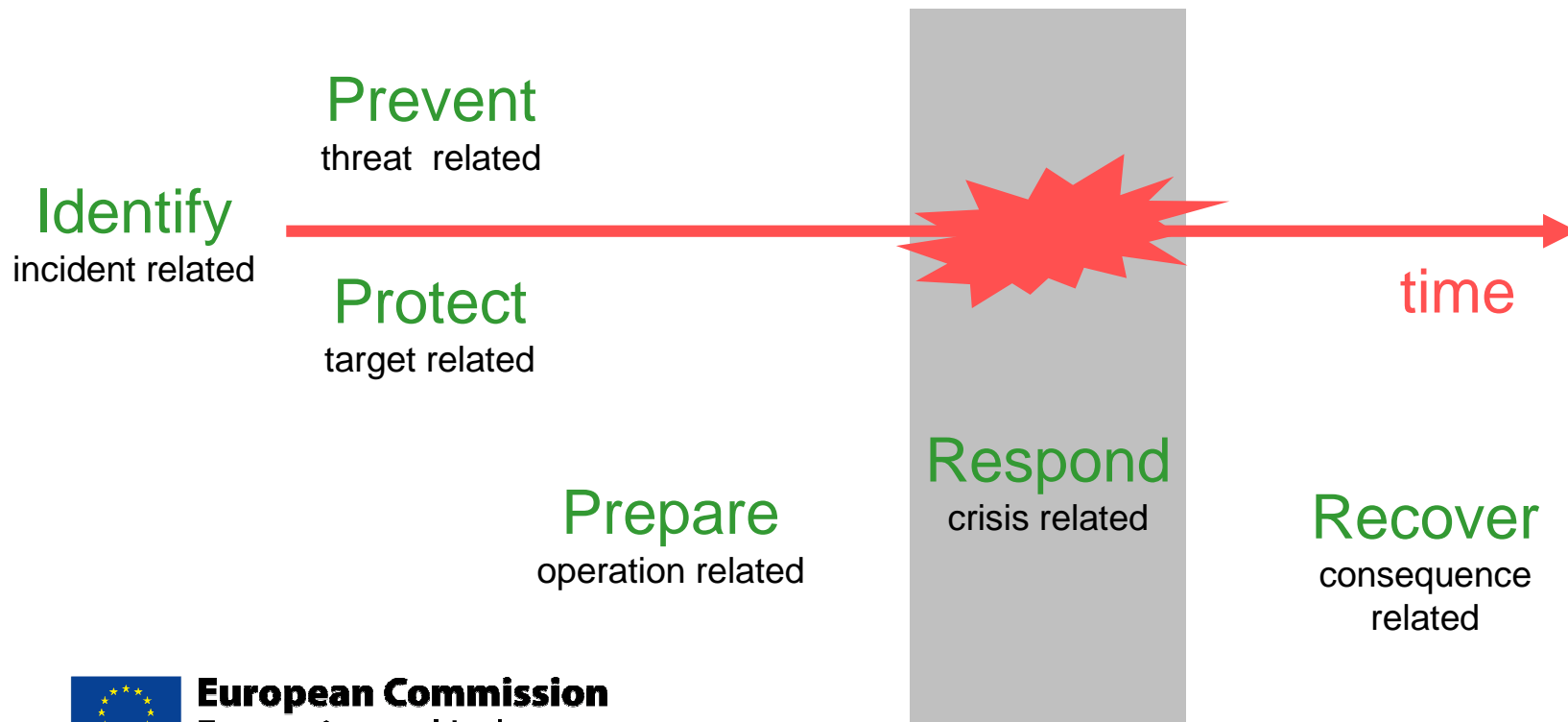
Analyse / Understand /
Anticipate / Prevent

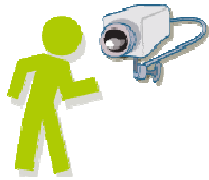


European Commission
Enterprise and Industry



Building up Capabilities related to the phases of a security incident





Human factors
Impact of technologies
Law & justice

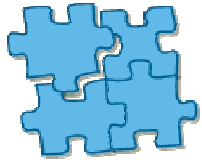


Security economics
Security v. privacy
Foresight & scenarios
Social polarizations



European Commission
Enterprise and Industry





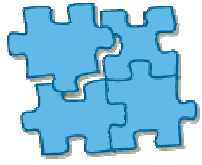
Security and defense

Dual use / common industrial
base



European Commission
Enterprise and Industry





Reduce R&D duplication
Compare technologies
EU-wide cooperation



UAV
SDR
CBRNE
Remote sensing
etc.



European Commission
Enterprise and Industry

•Inland Transport Security

Example of projects:

TRIPS

TRANSPORT INFRASTRUCTURES PROTECTION SYSTEM

http://ec.europa.eu/enterprise/security/doc/project_flyers_2007/TRIPS.pdf

ISCAPS

INTEGRATED SURVEILLANCE OF CROWDED AREAS FOR PUBLIC SECURITY

http://ec.europa.eu/enterprise/security/doc/project_flyers_2007/ISCAPS.pdf

TERASEC

ACTIVE TERAHERTZ IMAGING FOR SECURITY

http://ec.europa.eu/enterprise/security/doc/project_flyers_2007/TERASEC.pdf

ISOTREC

INTEGRATED SYSTEM FOR ON-LINE TRACE EXPLOSIVES

DETECTION IN SOLID AND VAPOUR STATE

http://ec.europa.eu/enterprise/security/doc/project_flyers_2007/ISOTREX.pdf

BESECU

Human behaviour in crisis situations : A cross cultural investigation in order to tailor security-related communication

http://ec.europa.eu/enterprise/security/doc/project_flyers_FP7_1st_call/BeSeCu.pdf



European Commission
Enterprise and Industry

what the UNECE could consider doing

UNECE or its member(s) to participate in EU security research projects

UNECE to express its research priority to the European Commission



European Commission
Enterprise and Industry

For further information

FP7-Security website:

http://ec.europa.eu/enterprise/security/index_en.htm

ESRIF website:

<http://www.esrif.eu>

Pictures: © KoMa_Fotolia, ©iStockphoto.com/urbancow, ©iStockphoto.com/wolv, ©iStockphoto.com/gmutlu, © Marc Chapelat-Fotolia, ©iStockphoto.com/medlar, ©iStockphoto.com/aleksl, ©iStockphoto.com_RapidEye, © DX-Fotolia, ©iStockphoto.com/AndrewJohnson, © Franck Boston-Fotolia.



European Commission
Enterprise and Industry