

# ***4<sup>th</sup> DHS University Network Summit***

## **a talk on Resilience:**

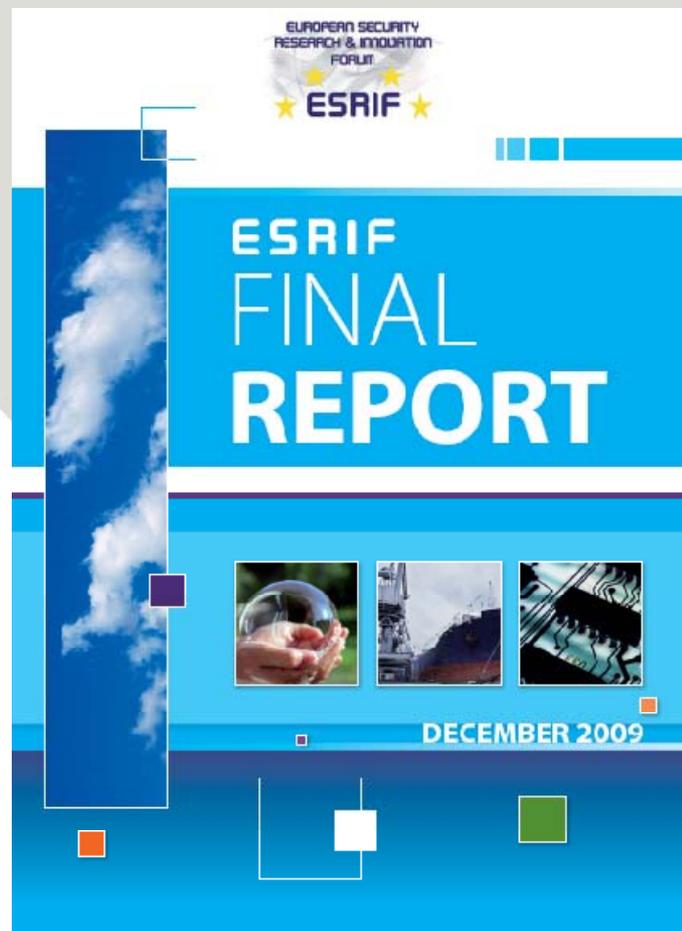


**European Commission**  
Enterprise and Industry

Khoen Liem  
Principal Scientific Officer  
Security Research and Development

# European Security Research and Innovation Forum

- see [www.ESRIF.eu](http://www.ESRIF.eu) :



# European Security Research and Innovation Forum (ESRIF)

- Security research and innovation should focus on **strengthening Europe's inherent resilience** and ability to efficiently recover from crises
- by enhancing the cohesiveness and robustness of **societal systems** and their **interface with security technologies**

# Europe needs a Security Research and Innovation Agenda

- **Critical Infrastructure Protection**
- **Energy**
- **Transport**
- **Information & Communication  
Technology**

# European Security Research and Innovation Forum

**ESRIF** also has integrated the **human and societal dynamics** of security as a main focus within the research and innovation agenda. Respect and consideration for **civil liberties and rights** is essential

# European Security Research and Innovation Forum

- **Resilience of society for calamities**
- **Creation of cross-cultural, cross-generational and cross-societal links**
- **Psychological and social resilience**



# A holistic approach to Aviation Security

- Airport security  
(Pax- and non-Pax side)
- Aircraft security  
(threats from the inside and from the outside)
- ATM security  
(physical attacks as well as Cyber attacks)



# Perspectives Security & Freedom

- **Political Guidelines for the Barosso-2 Commission (Sept.2009):**

*".... We must use our potential to be a civilian power for **peace**, by linking **security** and **development** to help rescue and rehabilitate failed states. We can and must do more to play our role in conflict resolution and peace-keeping and peace-building".*

# Perspectives Security & Environment

- Report on the Implementation of the European Security Strategy (11<sup>th</sup> of December 2008):
  - New challenges and threats :
    - Cyber security
    - Energy security
    - Climate change => threat multiplier

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