

e-Skills and Cyber Security

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Costas ANDROPOULOS

Head of Unit “ICT for Competitiveness and Innovation”

European Commission

DG Enterprise and Industry



European Commission
Enterprise and Industry

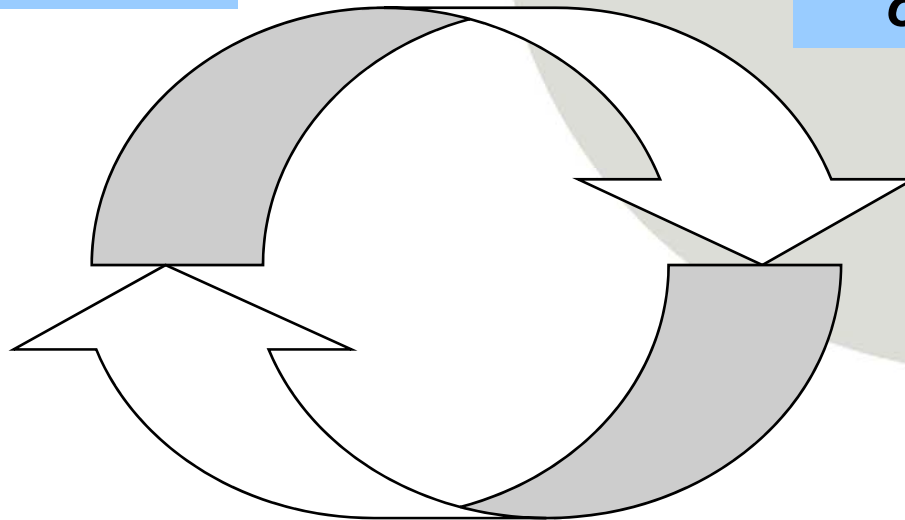
The European Context

- **European Network and Information Security Agency (2004)**
- **Strategy for a Secure Information Society (2006)**
 - **Fighting against spam, spyware and malware (2006)**
 - **Promoting data protection by PET (2007)**
 - **Fighting against cyber crime (2007)**
- **e-Skills for the 21st Century (2007)**
- **Policy initiative on Critical Information Infrastructure Protection**

Multi-Stakeholder Approach

DIALOGUE
*structured and
multi-stakeholder*

PARTNERSHIP
*greater awareness &
better understanding
of the challenges*



EMPOWERMENT
*commitment to responsibilities
of all actors involved*

Key Objectives

- **Building on national and private sector initiatives**
- **Engaging stakeholders at the EU level**
- **Achieving consensus on key principles**
 - National vs. European Infrastructures (criteria) and inter-dependencies
 - Long-term Internet stability and resilience
 - Preventive detection, early warning and responsive measures
 - Recovery and continuity strategies
 - Cross-sectors proactive information assurance methods
 - Risk management culture and tools
- **Sharing knowledge and good practices**
- **Building the necessary skills pools**

Key Lessons

- **Technology will not be sufficient**
- **Need to understand the economics of security**
- **Setting up multi-stakeholder partnerships**
- **Raising awareness**
- **Importance of trust, expertise and skills**
- **Long term strategy and commitment**



e-Skills Strategy

- **A joint proposal of Commissioners Verheugen, Figel and Reding**
- **Adopted by the European Commission on 7 September 2007**
- **The Communication proposes a long-term e-skills agenda and five action lines at EU level**
 - Promoting long-term cooperation and monitoring progress
 - Developing supporting actions and tools
 - Raising Awareness
 - Fostering employability and social inclusion
 - Promoting better and greater use of e-learning
- **Council Conclusions on a long-term e-skills strategy**
 - Competitiveness Council, 22-23 November 2007

More information:

- **ENISA**
<http://www.enisa.europa.eu>
- **EU Policy on Secure Information Society on EUROPA**
http://ec.europa.eu/information_society/policy/nis/index_en.htm
- **European e-Skills strategy on EUROPA**
http://ec.europa.eu/enterprise/ict/policy/ict-skills/ict-skills_en.htm
- **European e-Skills 2008 Conference** (9-10 October 2008, Thessaloniki)
www.e-skills-conference.org
- **European e-Skills Industry Leadership Board** (ICT industry initiative)
<http://www.e-skills-ilb.org/>

Contact:

- European Commission
Enterprise and Industry Directorate-General
Directorate: Innovation Policy
Unit D4: ICT for Competitiveness and Innovation
BREY- 6/66
B-1049 Brussels
fax: +32 2 296 70 19
E-mail: entr-ict-for-comp-and-innovation@ec.europa.eu