

The Crisis in Internet Security

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***The views expressed in this presentation are purely those of the speaker
and may not in any circumstances be regarded as stating an official
position of the European Commission.***



Security, Privacy, Trust in the Information Society?

Security

Herald INTERNATIONAL Tribune

Cyberwar and real war collide in Georgia

The Economist
Internet security
Code red

B | B | C
Phishing attacks
soar in the UK

sundayherald

Revealed: 8 million victims in the world's biggest cyber heist

FINANCIAL TIMES

Lessons from SocGen: Internal Threats need to become a security priority

Le Monde.fr

Grosse faille du web, et solution en chemin

BusinessWeek The Evolution of Cyber Espionage

Privacy

IRISHTIMES.COM

YouTube case opens can of worms on online privacy

ITweek

Web giants spark privacy concerns

News Site of the Year | The 2008 Newspaper Awards
TIMESONLINE

Big Brother tightens his grip on the web

The Register

Cloud computing lets Feds read your email

THE INDEPENDENT

Phorm to use BT customers to test precision advertising system on net

Le Monde.fr

La colère associative monte contre Edvige, le fichier policier de données personnelles

Trust

BusinessWeek
Defenseless on the Net

THE INDEPENDENT

Identity theft, pornography, corporate blackmail in the web's underworld, business is booming

abc NEWS
start here

Big Brother Spying on Americans' Internet Data?

The Economist

Internet wiretapping
Bugging the cloud

finextra
COM

UK's Revenue and Customs loses 25 million customer records

BBC NEWS

Six more data discs 'are missing'

The Crisis: Data collection and use in the interest of the citizen

for business, to provide personalized innovative applications and services

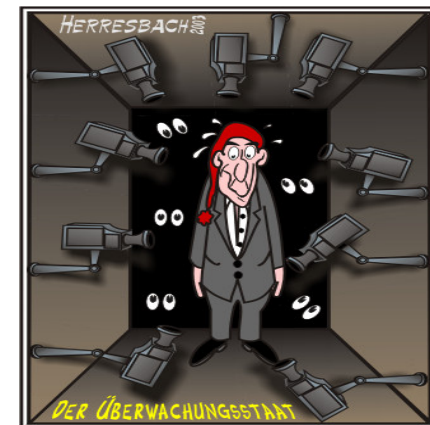
for citizens, to better communicate and interact, improve the quality of their life (Web 2.0)



for governments to service citizens and business (e-government, e-education or e-health)

for governments again, to provide public security (protection against crime or terrorism, border-control, protection of critical infrastructures, etc.)

**trust, user-control, privacy, security
proportionality of data storage/use ??**



Trust and Security – Technology and Policy

- Technology development in Trust and Security is strongly interwoven with:
 - State jurisdiction, law enforcement, international law
 - Protection of the citizen against war, terrorism, crime
 - Protection of human rights (freedoms, privacy)
 - Global governance of infrastructures
 - Societal developments in technology use

We need cooperation between technology providers and governments to tackle the problems



Some Basic Principles of Society

- **Communication and transactions between citizens and organisations rely on *trust*, based on principles of:**
 - Freedom and respect of privacy and the individual space
 - Security of citizens and critical infrastructures
 - Creativity for innovation and economic growth
- **Citizens' trust has been built through:**
 - Stable political institutions with democratic control
 - A culture of justice, law and its enforcement
 - Accountability for activities and policies
 - Transparency of processes and data use; audit trails, reports

It took ages to build it

Europe must foster it and transfer it to the Internet Society



Principles for progress

- Cyber security research must focus on:
 - Understanding the main characteristics of global political structure and cooperation between judiciaries
 - Understanding main values of our societies (incl privacy)
 - Recognise that for all digital action, accountability and liability must be with a legal (or natural) person (identity)
- Transpose and reflect these values in the digital world of the Future Internet



Trustworthy ICT Future RTD and policy areas

- **Trusted Global Identity Framework**: providing global interoperability and enabling informed trust decisions on organisations, people, and digital entities in the Future Internet. Enabling privacy protection in accordance to EU culture
- **Transparency and Accountability** of data use in processes, services and policies in ICT systems
- **Sound risk management** for enterprises and consumers (there is no 100% security)
- **Governance** based on these principles for law enforcement and citizen/infrastructure security



Network and information security European Policy Actions

- **Strategy for a Secure Information Society** [COM(2006)251]
- Policy : **fight against malware** [COM(2006)688]; **Privacy enhancing technologies** [COM(2007)228]; **fight against cyber crime** [COM(2007)267]
- **European Network and Information Security Agency**, (ENISA, 2004)
- **Initiative on Critical Information Infrastructure Protection – COM on CIIP expected in 2009**
- Proposed: **Reform of the Regulatory Framework for e-communications** [COM(2007)697, COM(2007)698, COM(2007) 699]
- Expected: **Future Internet, Privacy and Trust, Safer Internet, RFID**

