IEEE International Symposium
Pisa, 6-8 June 2011

Objective 1.4
Trustworthy ICT

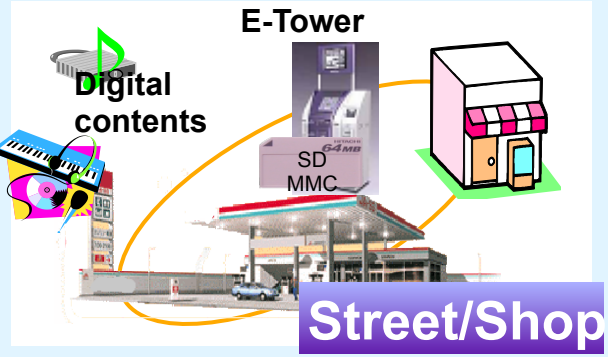
Vilija Juceviciene
European Commission
Information Society and Media Directorate General
Unit F5 - Trust & Security

SEVENTH FRAMEWORK PROGRAMME

European Commission Information Society and Media

Setting the scene - The Digital Wave

Setting the scene
Growing Information Society!



Security, Privacy, Trust in the Information Society

- Complexity, ease of use
- Role of end-users
- Society-protecting business models

Technology & Innovation

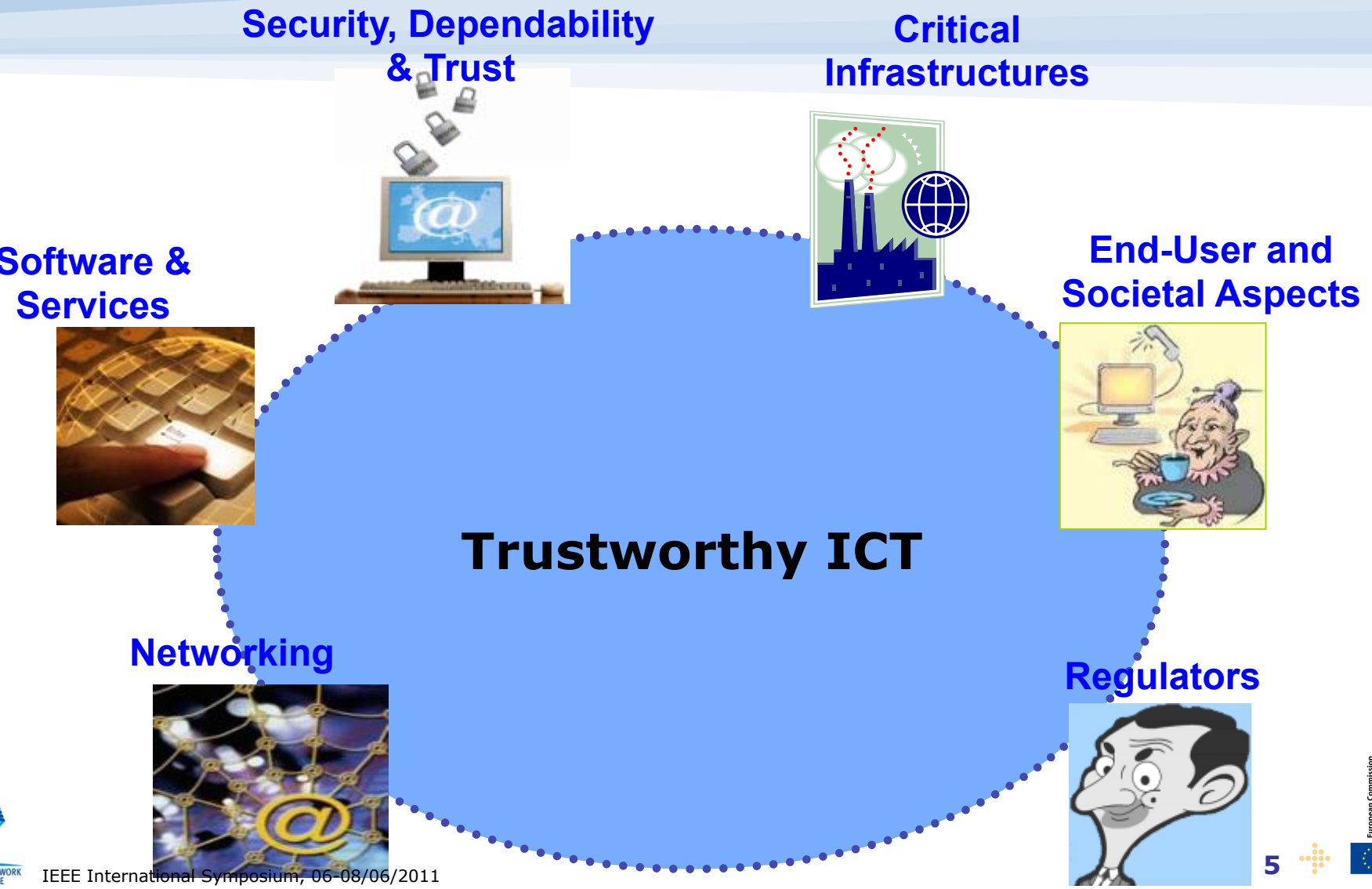
End-Users & the Society

- Global ICT - national "frontiers"
- "Economics of security"
- Policies for privacy-respecting T&I?

- Security
- Protection of human values
- Transparency, accountability
- Auditing and Law enforcement

Policy & Regulation

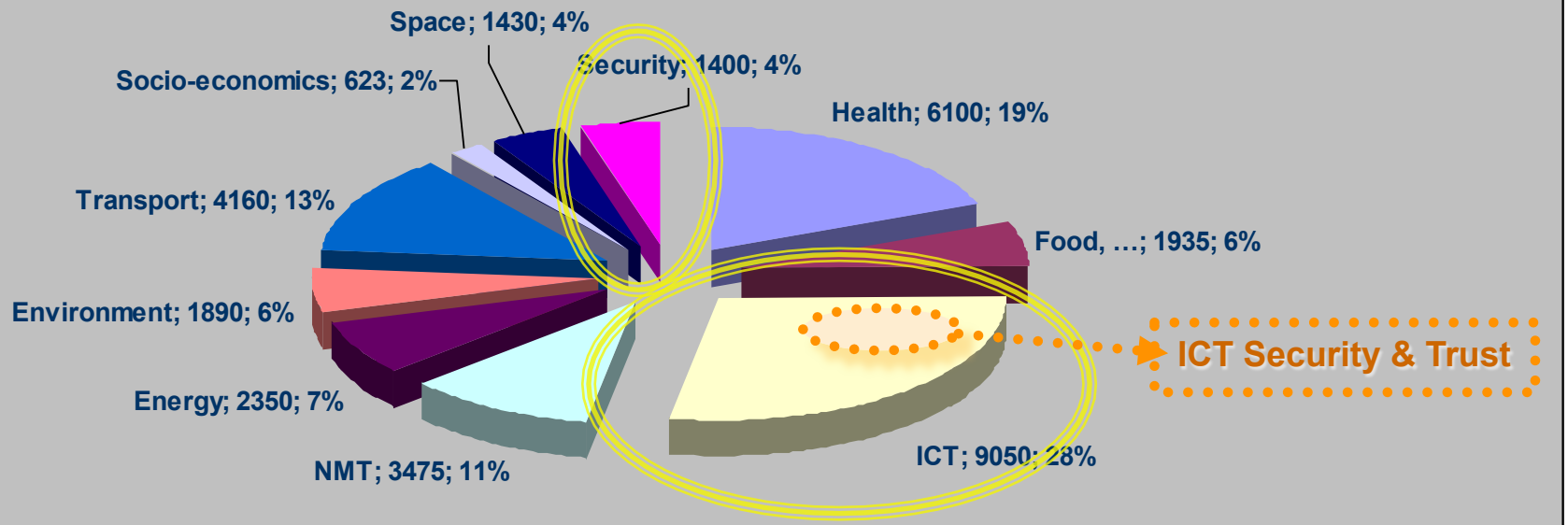
Trustworthy ICT Research Stakeholders



7th EU Research Framework Programme (2007-2013)

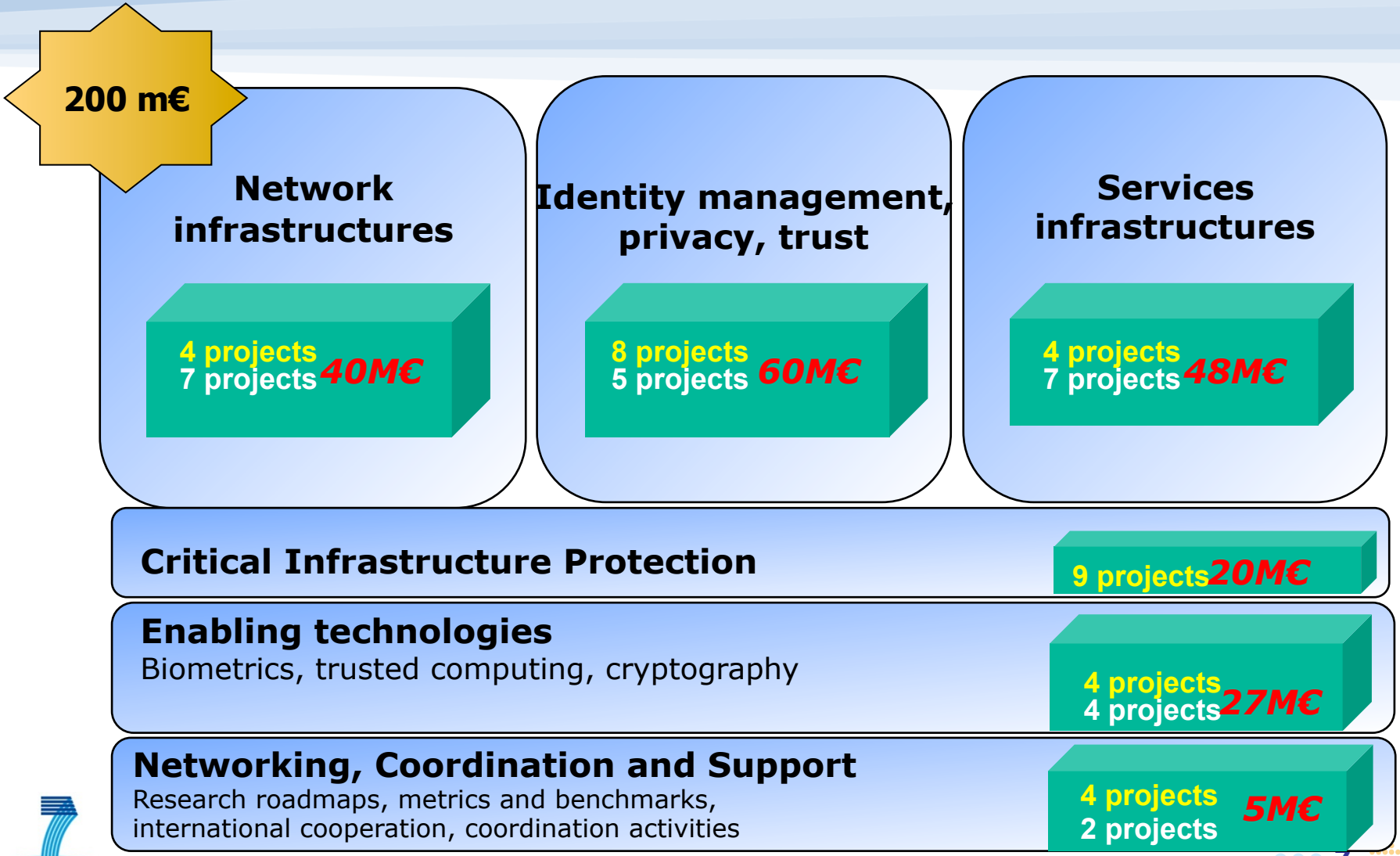
Total 50,521 M€

FP7 Cooperation Programme: 32,413 M€
The 10 Themes



Trust and Security: 58 projects

of FP7 Call 1 and Call 5

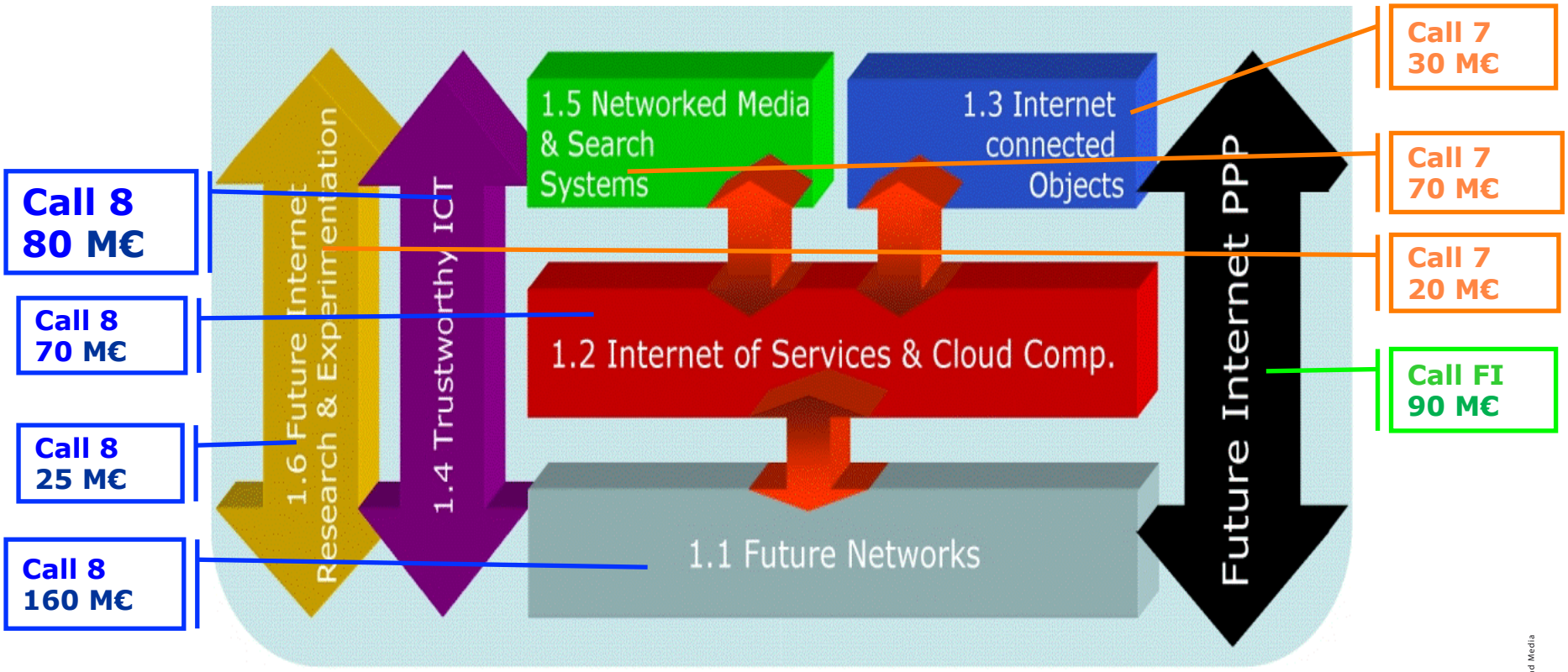


Trust and Security in the Digital Agenda for Europe

low trust = low use

- **Digital single market**
- **Interoperability and standards**
- **Trust and security**
- **Very fast Internet**
- **Research and Innovation**
- **E-skills**
- **Social challenges**

Challenge 1
Pervasive and Trustworthy Network and Service Infrastructures



Call FI	20/07/10 – 02/12/10
Call 7	28/09/10 – 18/01/11
Call 8	26/07/11 – 17/01/12

FP7-ICT Call 8: 1.4 Trustworthy ICT

80 m€

26/7/2011 –17/1/2012

Heterogeneous networked, service and computing environments

Trust, eIdentity and Privacy management infrastructures

Data policy, governance and socio-economic ecosystems

70 M€
Min. 50% IPs
Min. 30% STREPs

Networking and coordination activities

Max. 10 M€
NoE, CSA

ICT Work Programme 2011 - 2012
Objective 1.4 Trustworthy ICT

Target outcomes

a) Heterogeneous networked service and computing environments

Trustworthy Architectures and protocols
Trustworthy Future Internet
Virtualisation and other techniques for protection, assurance, ..
Metrics and tools for quantitative security
Enabling technologies (languages, biometry, crypto, ..)

b) Trust, eID and Privacy management Infrastructures

Trust assurance
Privacy infrastructures
Management of ID claims (usability, privacy, control)

c) Data policy, governance and socio-economic ecosystems

Management and governance frameworks for trust and security policies; Technology supported socio-economic frameworks.
Multi-polar security governance; Tools for trust measurement

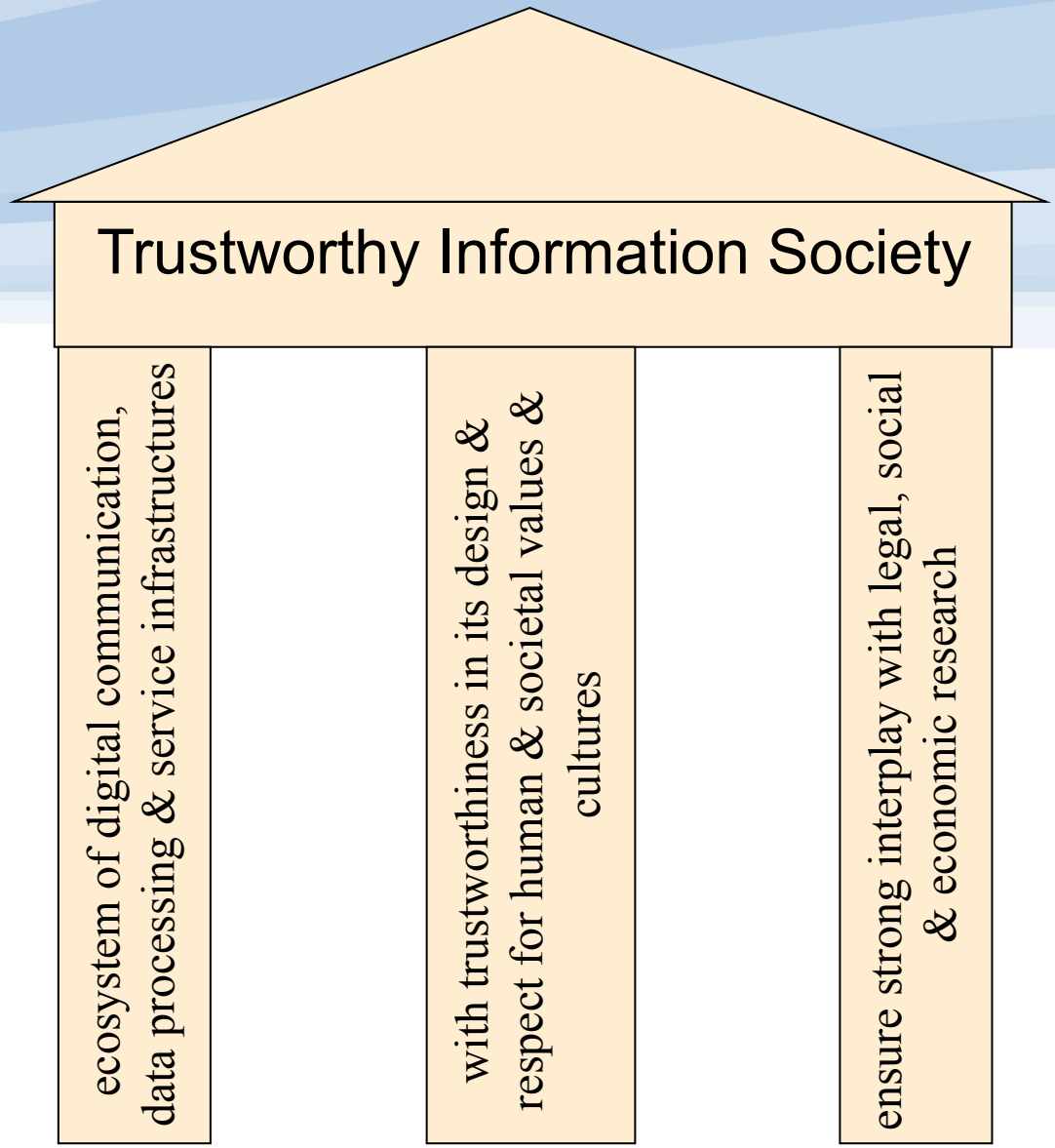
d) Networking and Coordination Activities

Stimulating and organising interplay technology-law-society-economy
Promoting standards, certification, best practices
Coordination national RTD activities

Expected Impact

Industrial competitiveness – Trustworthy ICT
Support to users - Confidence, usability and acceptance
Demonstrable improvements – Large scale networks, network attacks and security incidents
Significant contribution (Trustworthy Infrastructures, interoperability and standardization, usability and acceptance
Coordination of research

Remember: The Workprogramme text is the official reference for the call

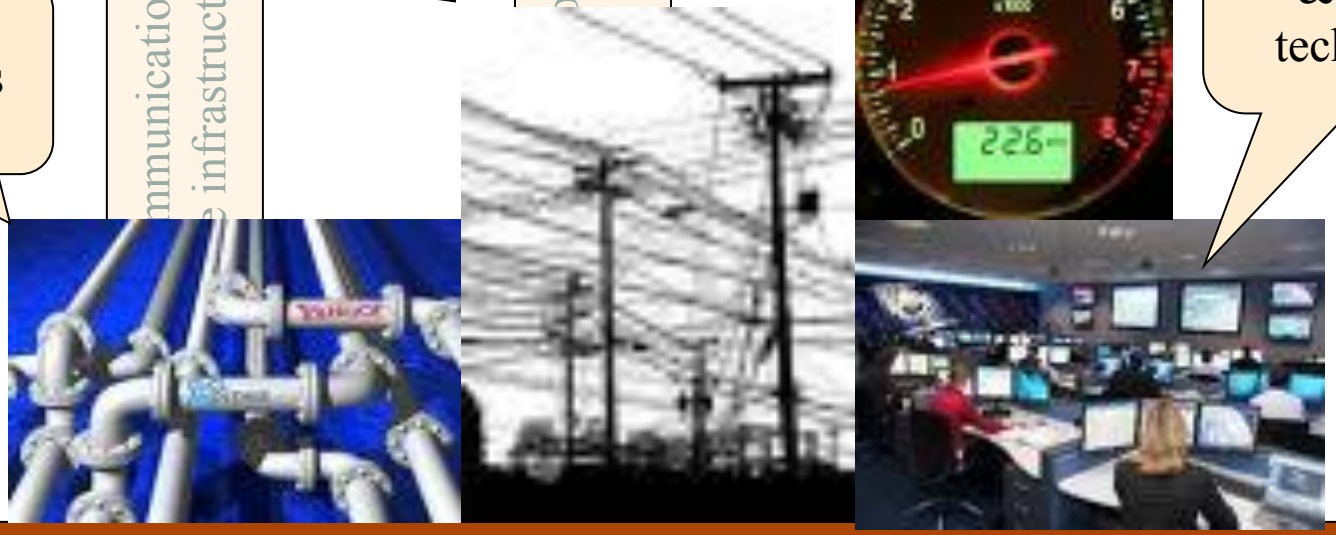

Trustworthy Information Society
ecosystem of digital communication, data processing & service infrastructures
with trustworthiness in its design & respect for human & societal values & cultures
ensure strong interplay with legal, social & economic research

metrics & tools for quantitative security

trustworthy polymorphic future internet

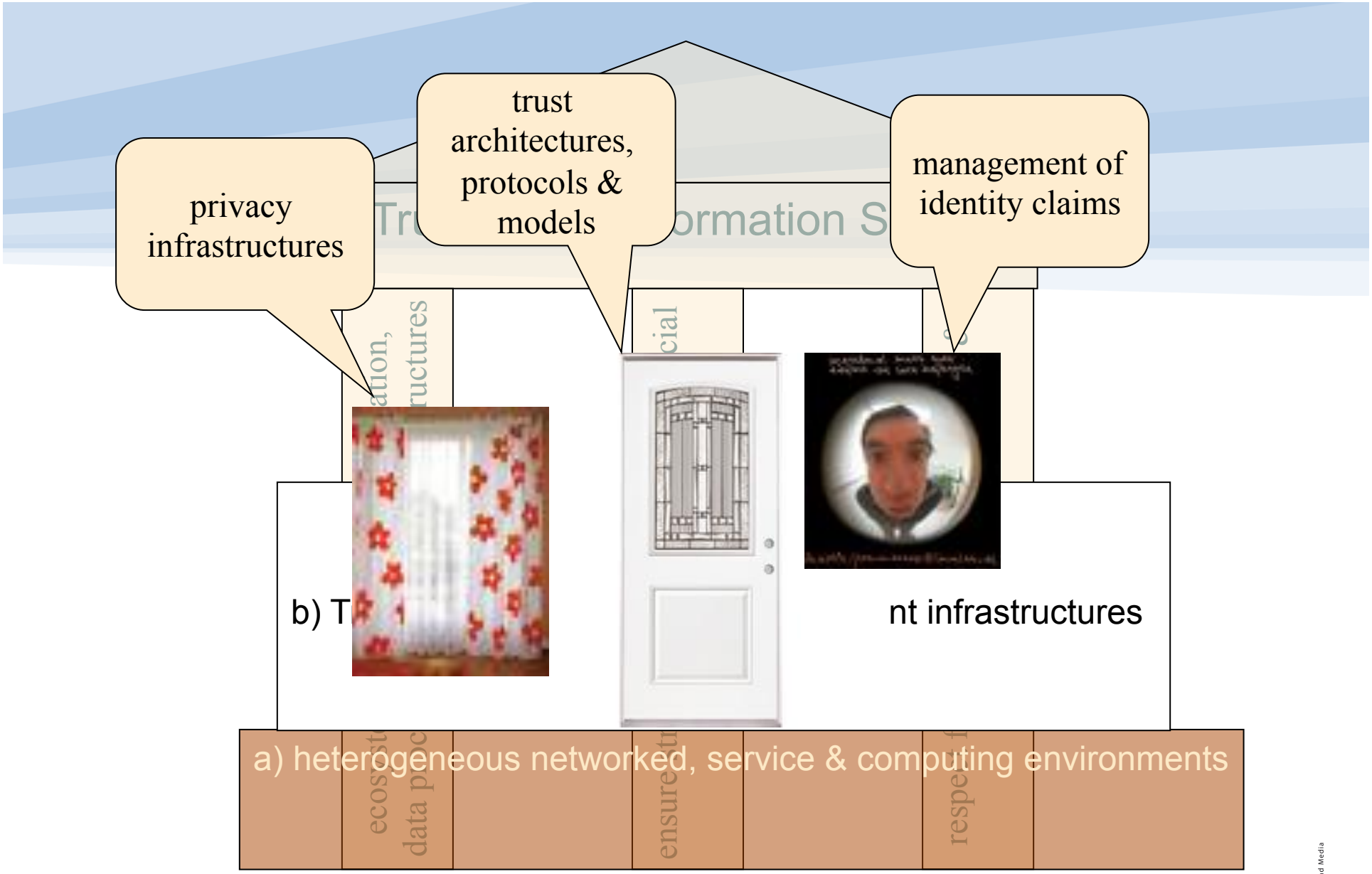
virtualisation & other techniques

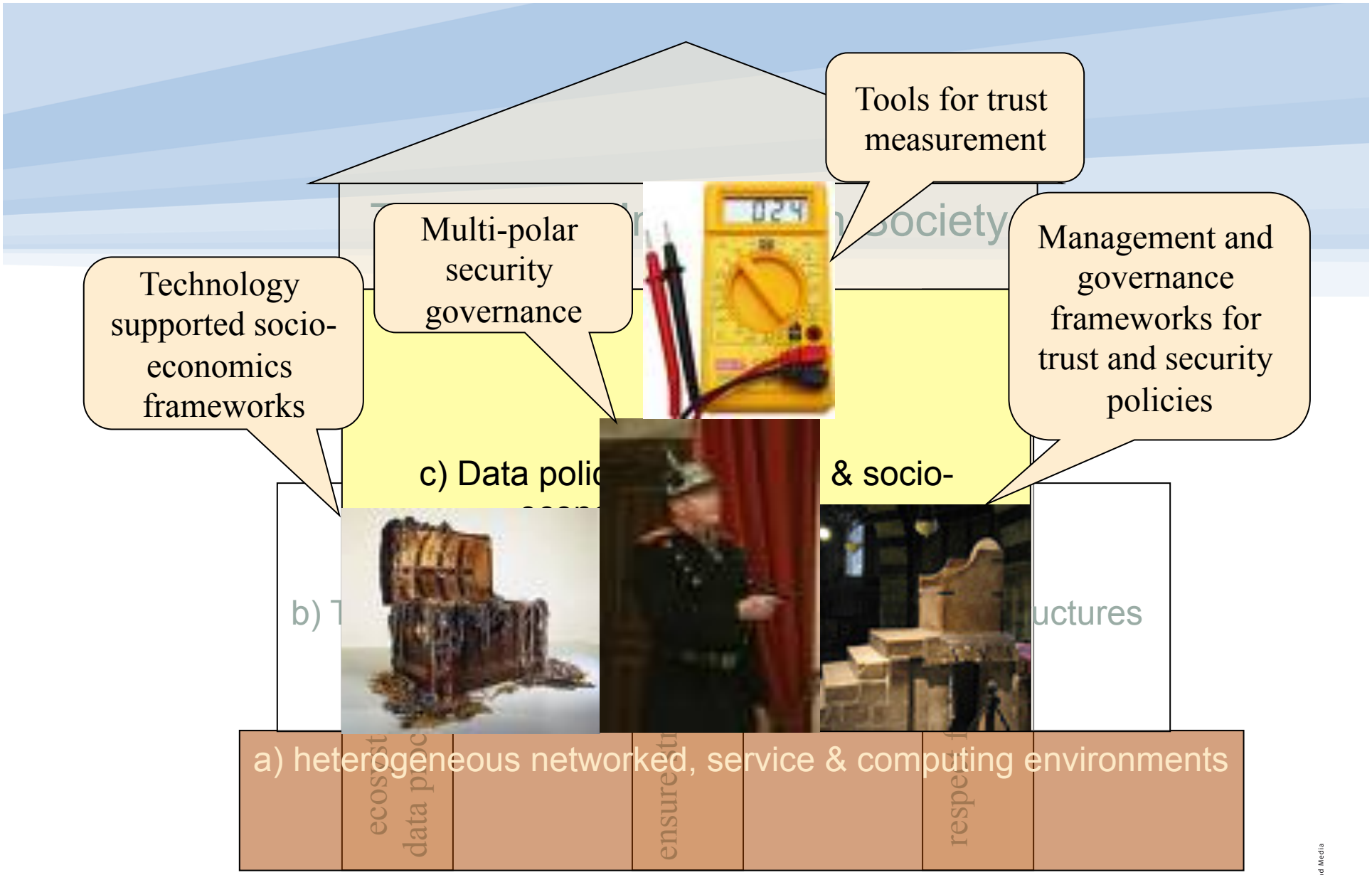
trustworthy architectures & protocols



a) heterogeneous networked, service & computing environments

enabling technologies


privacy infrastructures
trust architectures, protocols & models
management of identity claims
b) T
nt infrastructures
a) heterogeneous networked, service & computing environments


Tools for trust measurement
Multi-polar security governance
Management and governance frameworks for trust and security policies
Technology supported socio-economics frameworks
c) Data polic
& socio-
b) T
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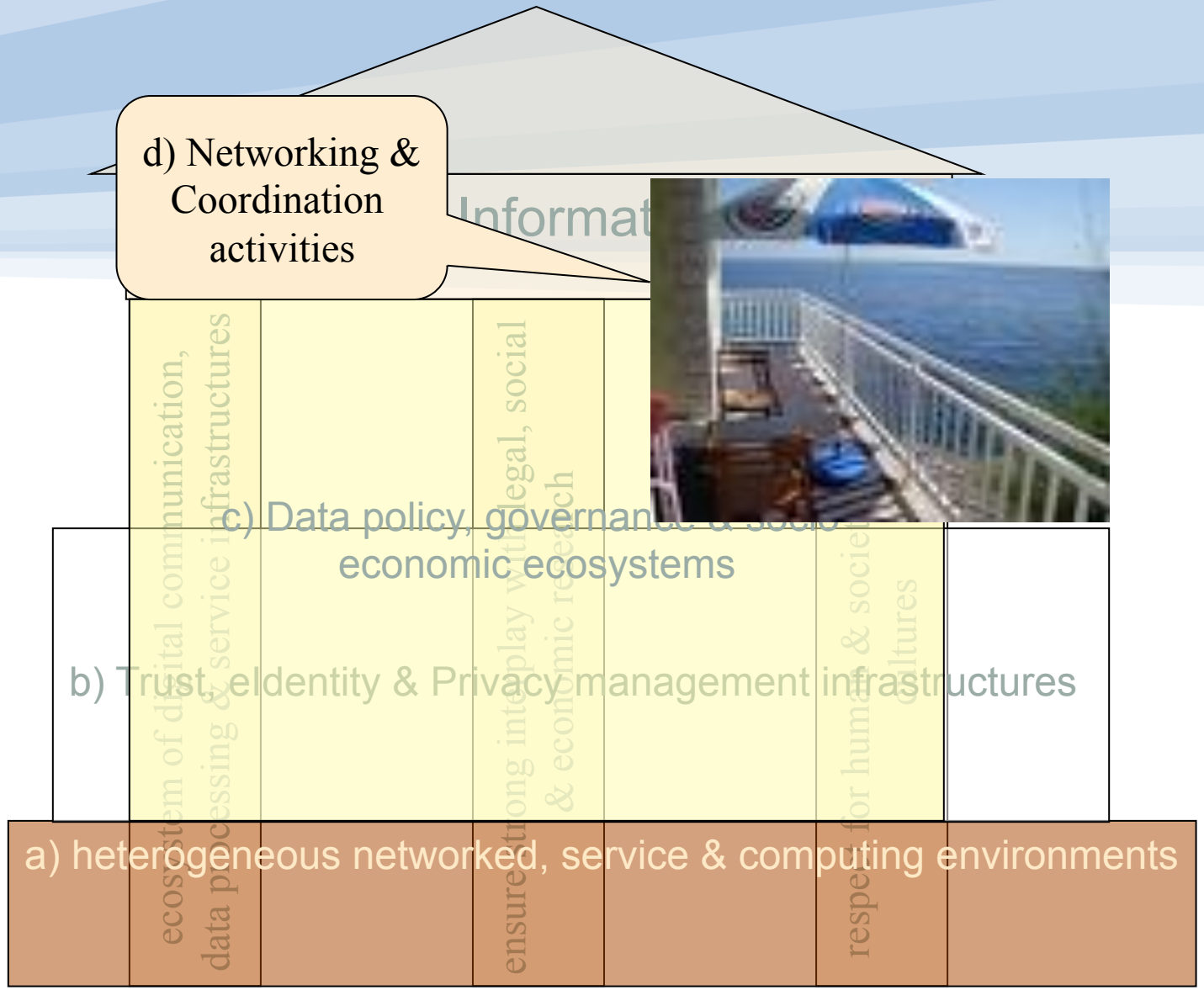
a) heterogeneous networked, service & computing environments


d) Networking & Coordination activities
Informat
c) Data policy, governance & socio-economic ecosystems
b) Trust, eIdentity & Privacy management infrastructures
a) heterogeneous networked, service & computing environments

Don't forget impact! ICT Work Programme 2011 - 2012
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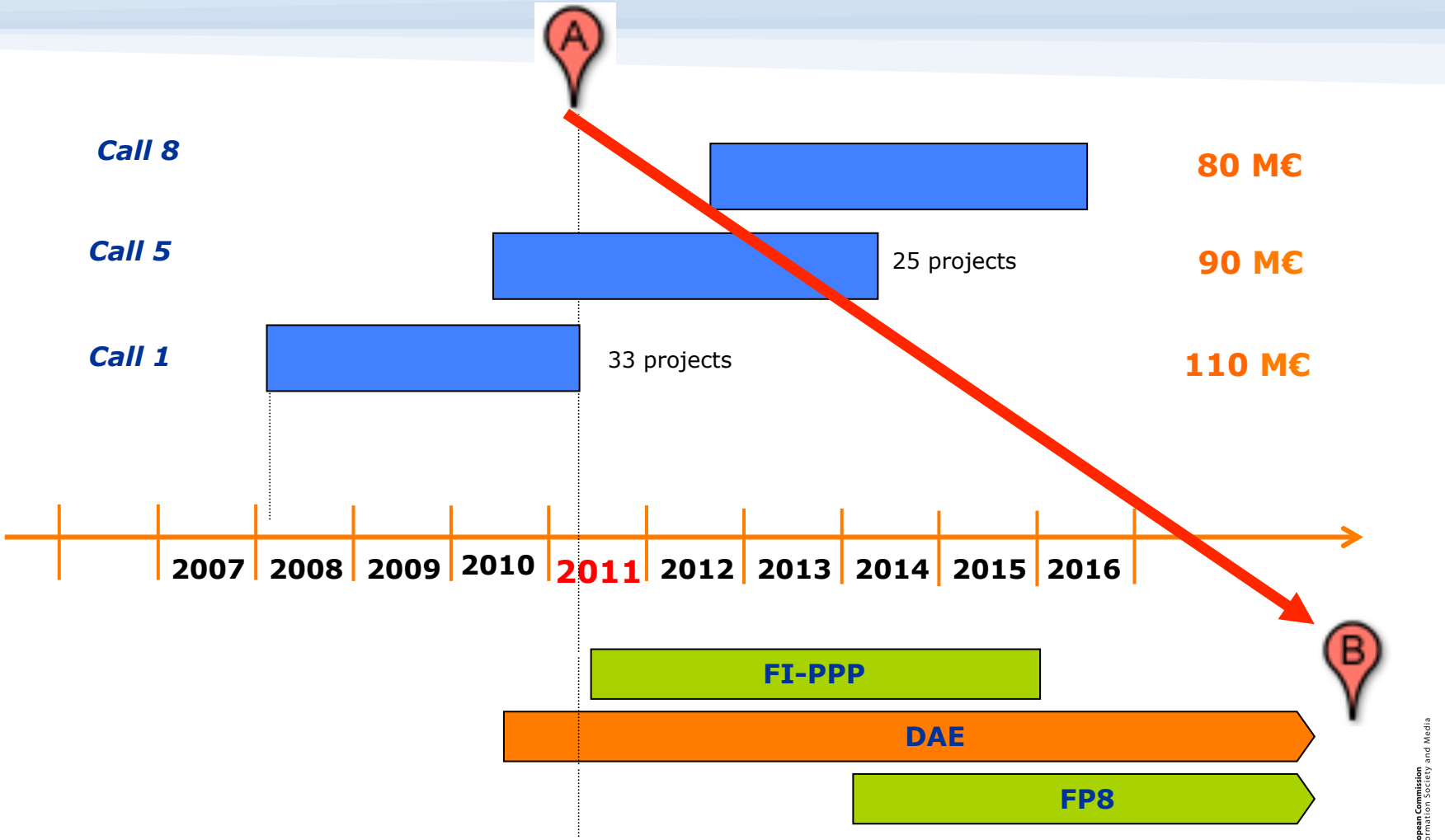
The Take Away

- Opportunity to…
  - Update research lines
  - Expand our constituency (new players)
- Beyond state-of-the-art
  - Future trends / long term innovation
  - Pursue exploitable outcomes and ensure contribution to expected impact

Towards Call 8

- Information days
- Organise workshops yourself!
- We might organise preparatory workshops
- Know ongoing/former projects and initiatives

FP7 trust and security
The path



EU R&D on Trustworthy ICT
aiming at …

- An Influential Trust & Security community in Europe **Research**
- A competitive Trust & Security contributing to trustworthy ICT **Industry**
- To support **Policy**

Let's do it together…!

Unit F5 - The team

Jesús Villasante
Head of Unit

Gustav Kalbe
Vice HoU

Dirk van Rooy
Head of Sector

Christian Olimid
Digital Agenda

Manuel Carvalhosa

Wout van Wijk
FI-PPP, Communications

Mario Scillia,
Cloud Computing

Martin Mühleck

Oluf Nielsen

Inge Ceuppens

Vilija Juceviciene
Call 8 Coordinator

Mª Concepción
Antón García

Unit mailbox:	**INFSO-TRUST-SECURITY@ec.europa.eu**
Telephone numbers:	**http://cordis.europa.eu/fp7/ict/security/**

For more information

FP7
cordis.europa.eu/fp7/ict/

Trust & Security
cordis.europa.eu/fp7/ict/security/

Future Internet
ec.europa.eu/foi

Digital Agenda
ec.europa.eu/information_society/digital-agenda/

E-mail
INFSO-TRUST-SECURITY@ec.europa.eu

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