

ICT4Security – Security4ICT

IKT Themen für sichere Gesellschaften,
18.11.2013, Manfred Halver



IKT in Horizon 2020

eine kurze Einführung



**Weiterführung bekannter Themen aus
FP7 IKT und CIP ICT-PSP**

... **aber**: dreigeteilt

Kein **umfassendes** IKT-
Arbeitsprogramm

IKT IN H2020 ...



Excellent
Science

Industrial
Leadership

Societal
Challenges

Widening Participation,
Science for and with Society
EIT, JRC

IKT Themen sind verteilt...



HORIZON 2020

ICT in Societal Challenges

Health, Demographic change and wellbeing	Inclusive, innovation and secure societies	Secure, clean and efficient energy	Smart, green and integrated transport	Climate action, resource efficiency and raw materials
<ul style="list-style-type: none"> Virtual Physiological Human Robotics for medicine Microsystems for drug delivery and monitoring 	<ul style="list-style-type: none"> Technology for identification and security Interfaces for special needs 	<ul style="list-style-type: none"> Smart grid Energy management Integration in smart cities 	<ul style="list-style-type: none"> Smart transport equipment Safety systems Logistic systems 	<ul style="list-style-type: none"> Simulation/visualisation Technology for end-to-end material tracking Robot swarms/ drone for monitoring

HORIZON 2020

ICT LEIT

- **A new generation of components & systems**
- **Micro- and nano-electronic and Photonics**
 - **Advanced Computing**
 - **Future Internet**
 - **Content technologies and information management**
 - **Robotics and smart spaces**

HORIZON 2020

ICT Excellence

- **FET Open**
- **FET proactive**
- **FET Flagships**
- **e-Infrastructures**

IKT für Sichere Gesellschaften

Zusammenfassung



IKT-SICHERHEIT IN H2020... WO FINDET MAN DIE THEMEN?



Excellent
Science

Industrial
Leadership

Societal
Challenges

Widening Participation,
Science for and with Society
EIT, JRC

Themenoffene Einreichungen:

- **ERC** (Spitzenforschung)
- **Marie Skłodowska Curie** (Forschendenmobilität)
- **FET** (zukünftige Technologien)

Als Projektbestandteil:

- **Research Infrastructures & e-Infrastructures**
(Datensicherheit, Privacy, Trust, Identity
Management)

Excellent
Science

Call Deadline 2014

- Advanced Cloud Infrastructure and Services (ICT 7)
- Advanced 5G Network Infrastructure for the Future Internet (ICT 14)
- Photonics KET (ICT 26)
- Cybersecurity, Trustworthy ICT (ICT 31)

Call Deadline 2015

- Smart Networks and novel Internet Architectures (ICT 5)
- Internet of Things and Platforms for Connected Smart Objects (ICT 29)
- ...

Industrial
Leadership

Call – Digital Security: Cybersecurity, Privacy and Trust

Deadline 2014:

- Privacy
- Access Control
- The role of ICT in Critical Infrastructure Protection

Deadline 2015:

- Secure Information Sharing
- Trust eServices
- Risk management and assurance models

Societal
Challenges

Call – Disaster-resilience: safeguarding and securing society, including adapting to climate change

- Focus: Resilience of critical infrastructure (protection against cybercrime and cyber-terrorism)
- Critical Infrastructure “smart grid” protection and resilience under “smart meters” threats
- Cybercrime on Industrial Control Systems protection

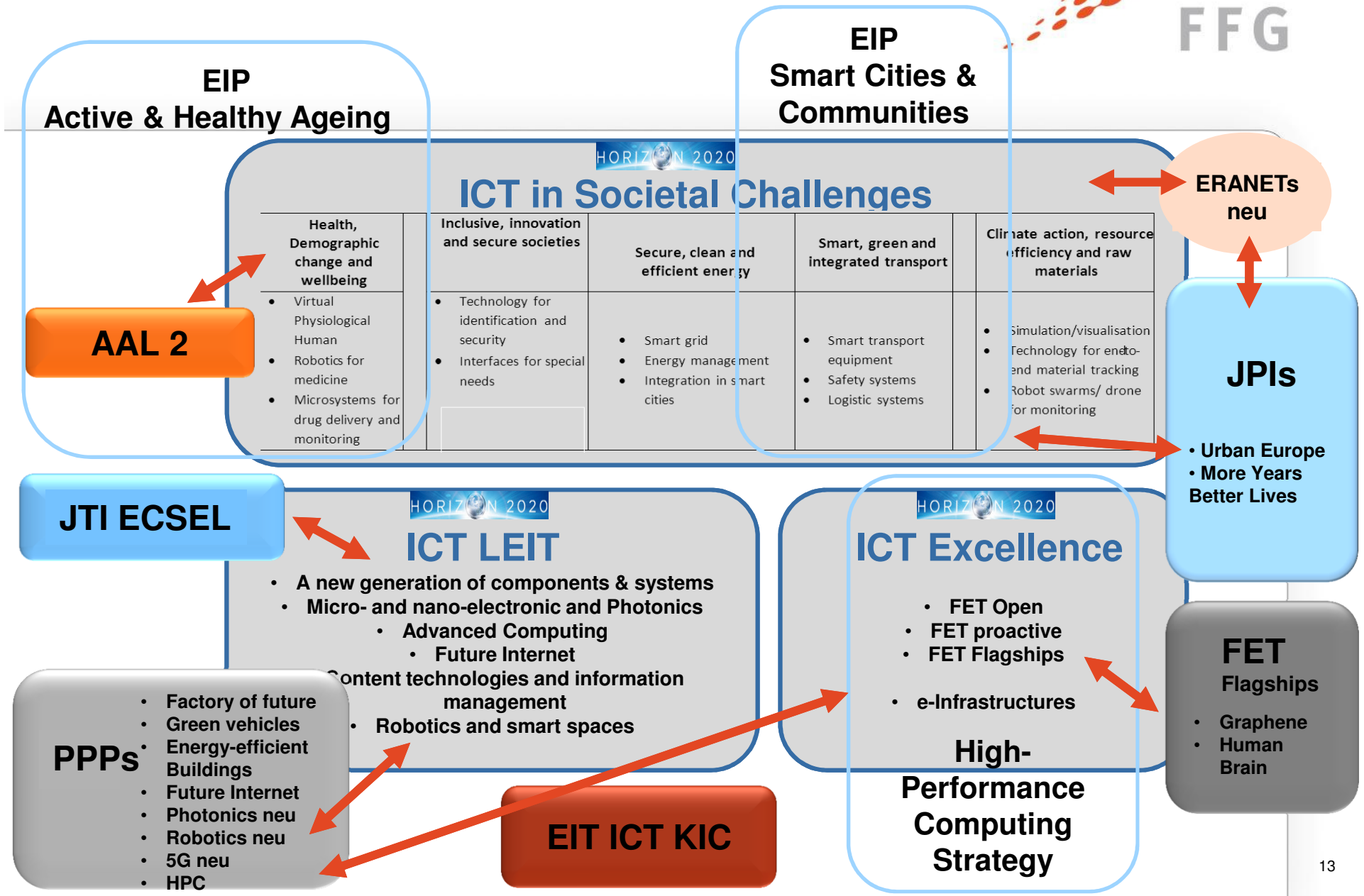
Societal
Challenges

Call – Fight against crime and Terrorism

- Focus: Technologies and capabilities for fighting and preventing crime (including cyber-crime), illegal trafficking and terrorism (including cyber-terrorism)
- Understanding the underlying social, psychological and economic aspects of the genesis, methods and motivation of organized crime (including cyber related offenses)

Societal
Challenges

IKT EU-FTI LANDSCHAFT AB 2014



KEY MESSAGES

- Viele IKT-Sicherheitsthemen in H2020 (auch abseits der Challenge „Sichere Gesellschaften“)
- Den Überblick zu behalten ist herausfordernd -> Services der FFG und Partner nutzen!



KONTAKT IKT-Experten



- Thomas.Zergoi@ffg.at
- Manfred.Halver@ffg.at
- Jürgen.Rattenberger@ffg.at

