



EIT-ICT Labs

Future Cloud Action Line

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*There is nothing predictable about the rate of new innovations and changes in the Cloud except that **unexpected happens faster than we expect***



EIT-ICT Labs: Bringing ICT Innovations to Life

Education



Creating a new breed
of entrepreneurs

EIT Master
Schools



Research



Enabling excellent individuals
and multidisciplinary teams to
develop breakthrough ideas



Schools & Camps

Education Research

Experience Labs
& Living Labs



Test Beds &
Simulation Tools



Co-location Center

Business

Cross-Sectoral
Mobility



Innovation
Radar



Supporting innovators
all the way to the market



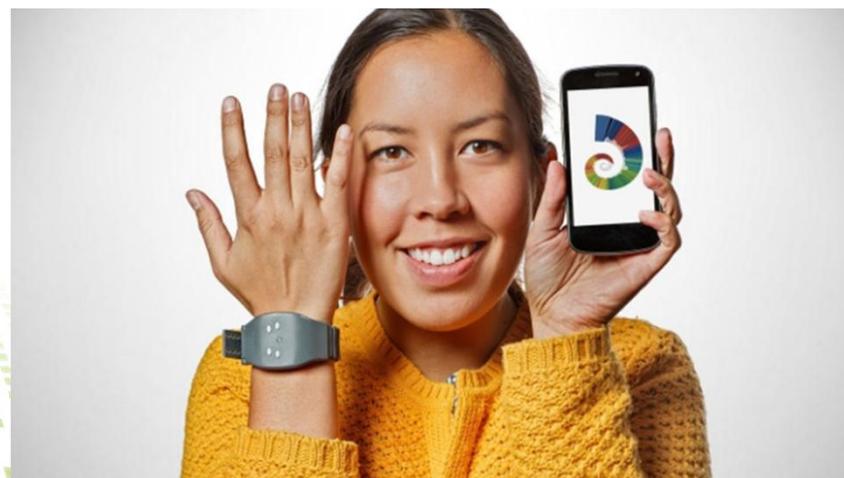
Business

Mission:
To drive European
leadership in ICT
innovation for economic
growth and quality of life



EIT-ICT-Labs Research & Innovation Areas

- Future Cloud
- Cyber-Physical Systems
- Future Networking Solutions
- Future Urban Life and Mobility
- Health & Wellbeing
- Privacy, Security & Trust
- Smart Energy Systems
- Smart Spaces

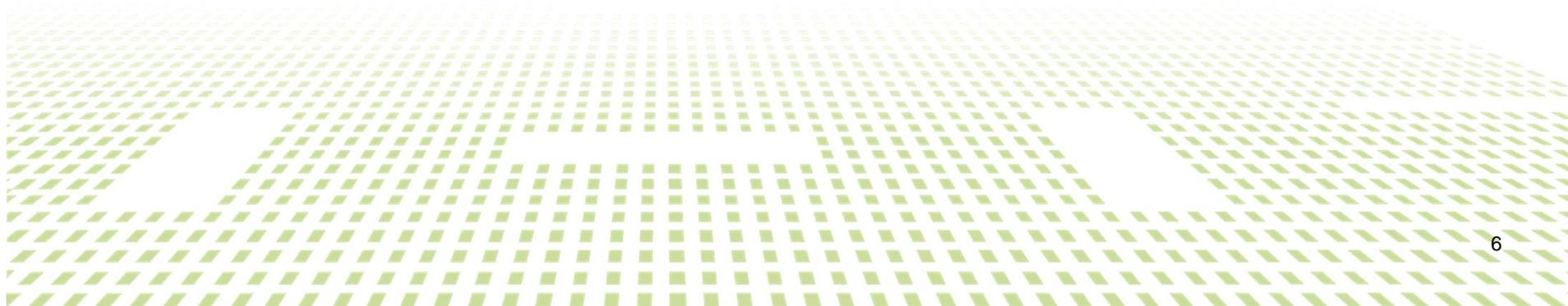




Future Cloud Action Line Mission



***Future Cloud** action line accelerates the use and development of trusted Cloud Technologies to create brand new innovations and leverage Big Data so that businesses and public administration in Europe will reach the full potential of the Digital Economy.*





Future Cloud Priorities 2014-2016

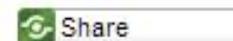


Big Data and Cloud



Trusted (Multi-)Cloud Infrastructures and Services

European Cloud Partnership



Sea

The European Cloud Partnership (ECP) brings together industry and the public sector to establish a Digital Single Market for cloud computing in Europe.

It has been established as part of the [European Cloud Strategy](#).

The ECP [Steering Board](#) provides advice to the Commission on strategic options to turn cloud computing into an engine for sustainable economic growth, innovation and cost-efficient public services. It is composed of high-level representatives of the IT and telecom industry and decision makers from governmental IT policy making (see [here](#) for info) and chaired by Toomas Hendrik Ilves, President of Estonia. The Steering Board held its first meeting on November 19, 2012, after which it issued the following [public statement](#).

The ECP is supported by an initial budget of €10million for a pre-commercial procurement project in the [ICT theme of the FP7 Research Programme](#) (Objective ICT-2013.11.3, page 109 of 170).

- ▶ [Report from the European Cloud Partnership Steering Board meeting of 4 July 2013 in Tallinn](#)
- ▶ [Report from the European Cloud Partnership Steering Board meeting on 19th November 2012](#)

Tags: ▶ [Cloud Computing](#)

Grab the Opportunities with Trusted Cloud Business



Trusted (Multi-)Cloud Infrastructures and Services

Trusted Cloud Infrastructures

Deployment and management of **trusted** real-time end-to-end services that run across:

- Multiple Clouds
- Different Cloud providers
- Private/public Clouds

Trusted Cloud Services

- Applications and Services that reflect European societal values on security, privacy and trust
- Security and Privacy of European citizens
- Open Source approaches

Big Data Changes the Rules of the Game



Big Data and Cloud

Big Data

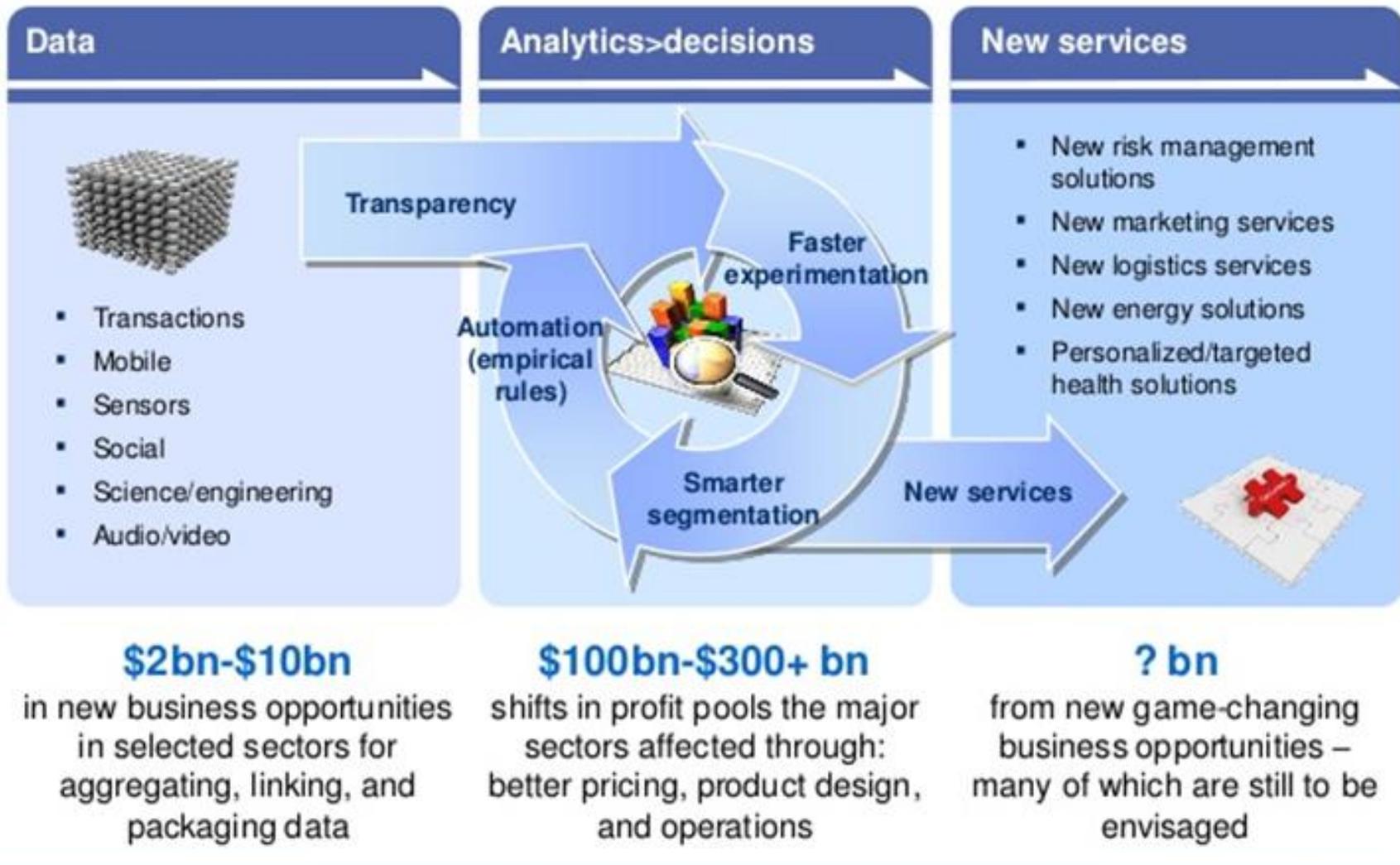
- Transaction
- Sensors
- Audio/video
- Mobile
- Social Media
- Mobile, etc.

Big Data Analytics, Visualization, Decisions

- Data Analytics
Platforms, tools
and methods
- Data Visualization
- Decision Support

Big Data Based Services

- New **revolutionary business opportunities** in different business segments



Source: McKinsey Global Institute

McKinsey & Company | 2

Future Cloud Activities & Focus 2014-2016



Big Data and Cloud



Trusted (Multi-) Cloud
Infrastructures and
Services

Future Cloud Action Line Status & Future Focus

- European Next Generation Big Data Platform**
 - **Stratosphere** (www.getstratosphere.org)
 - Open source, advanced analytics system
 - Fast and scalable, easy to use
 - Trusted European Big Data Ecosystem and User Community**
 - New Analytics tools and methods
 - Visualization tools & Methods
 - Data Driven Cloud Services business**, which utilizes Big Data Analytics
-
- Multi-Cloud Management Infrastructure**
 - Open source platform for multi-cloud environment
 - Trusted Cloud Services & New European Cloud Business**
 - EIT-ICT Labs role is to provide test cases, best practices and success stories for European Cloud ecosystem
 - Trusted Cloud education



Linking Future Cloud & Education



Future Cloud
Summer School

Future Cloud Summer School
June 2014

Future Cloud
Projects for MSc
students

Future Cloud Project Works
Fostering Industry &
Education collaboration:
Launch January 2014

Future Cloud
Research Exchange

Future Cloud Research
Exchange for PhD Students
and Post Docs

Future Cloud
Curriculum

Future Cloud and Big Data Technologies,
Services, Entrepreneurship & Business



Future Cloud Summer School 2014



23-27th June 2014

- Cloud technologies, business, entrepreneurship
- Case Studies, pitching sessions...
- TOP Research organizations & universities, Industry, VC, EU

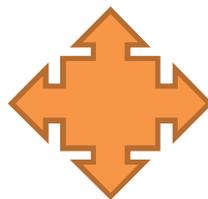




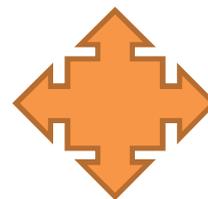
Future Cloud & Business Development



- Access to Funding
- Facilities
- Business Training
- IP-Training
- Pitching Training
- Events & Workshops



- VC Funding
- EU H2020 SME & Other
- EIT-ICT Labs Activities



- Marketing Support
- Awards & Prizes
- Competitions

Future Cloud Action Line & Students EIT-ICT Labs Partners Startups & SMEs



EIT-ICT Labs Accelerates Cloud Business in Europe



Future Cloud - EIT-ICT Labs Outreach Competition 2013

- Idea Competition for Outreach Countries
- Launched 08/2013
- ~40 Idea Proposals by 10/2013
- Finals 25th November 2013 in Berlin
- Winner - 30k€ & EIT-ICT Labs Business Development Support



Transmetrics brings Big Data to 2 trillion € cargo transport industry to improve capacity optimization

www.transmetrics.eu



Future Cloud Idea Challenge Competition 2014



FINALS June 2014

Competition to be launched in
Spring 2014

**Future
Cloud and
Big Data**





Future Cloud & H2020



H2020 work Programme “*Leadership for enabling and industrial technologies (LEIT) Information and Communication Technologies 2014-2015*” is focusing on several areas relevant to the Future Cloud action line such as:

- New generation of components and systems (e.g. ICT1 - 2014 Smart Cyber Physical systems)
- Advanced Computing (e.g. ICT7-2014 Advanced Cloud Infrastructures and Services, ICT8 – 2015 Boosting public sector productivity and innovation through cloud computing services, ICT9-2014 Tools and Methods for software development, ICT11-2014 Future Internet Research and Experimentation)
- Content Technologies and Information management (e.g. ICT15-2014 Big Data and Open data Innovation and Take-up, ICT16-2015 Big Data Research)
- ICT Cross-Cutting Activities (e.g. ICT30-2015 Internet of Things and Platforms for Connected Smart Objects, ICT32 – Cyber security, Trustworthy ICT)
- EU-Brazil Research and development co-operation in Advanced Cyber Infrastructure (e.g. EUB1 – 2015 Cloud Computing, including security aspects)
- EU-Japan Research and Development Co-operation in Net Futures (e.g. EUJ1-2014 Technologies combining big data, internet of things in the Cloud.



Thank You!

Any questions?