

# Collaborative convergence

In Broadband of the future

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## Convergence

.....denotes the approach toward a definite value, as time goes on; or to a definite point, a common view or opinion \*)



.... It sounds like standardization!

\*) reference Wikipedia



### **Collaborative Convergence**

.... Sounds even more like standardization

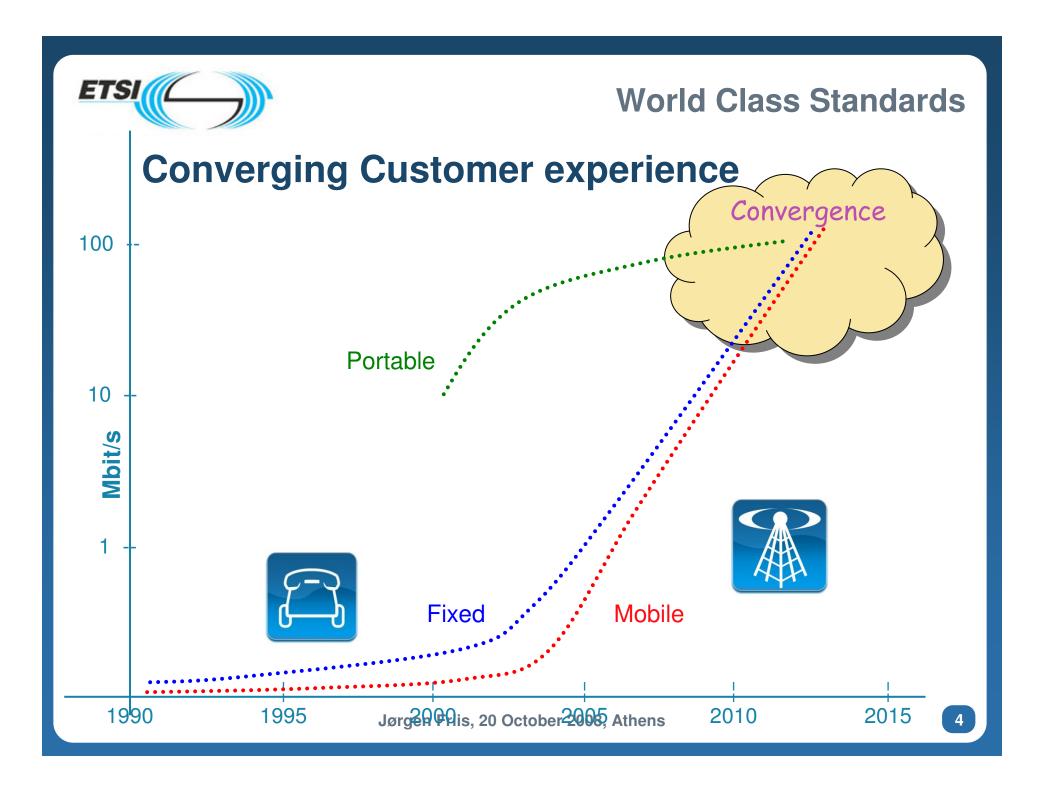




- ☐ ETSI brings together stakeholders from various business sectors
- □ ETSI foster collaboration in the area of ICT



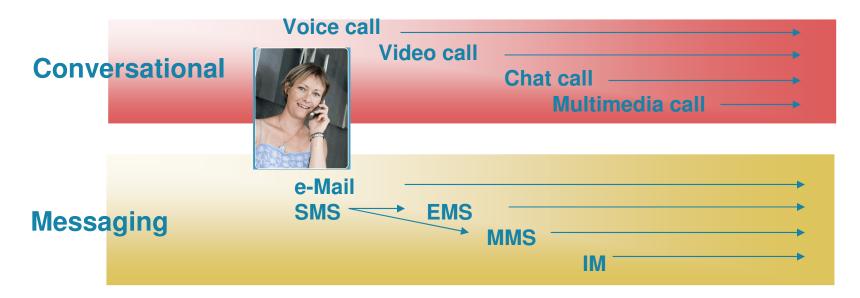


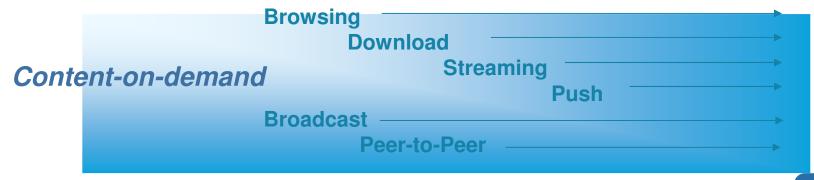






### **Converged Service Delivery**







## **Technological Convergence in Broadband**

- ☐ Fixed Mobile (FMC)
  - $\succ$  NGN (multiple broadband) is managed by ETSI TC  $tispan^\circ$
  - > IMS is key and supported by 3GPP .....
  - > .... but also wireless supported by WiMAX
  - > Seamless integration of mobile and fixed-line telephone services is supported by FMCA
- Media Triple-play or multi-play
  - > Internet access
  - > Television
  - Multimedia calls
  - > ... but also mobile access to these services



☐ The next dimension is the Internet of things !!!!



### How do we support Internet of Things

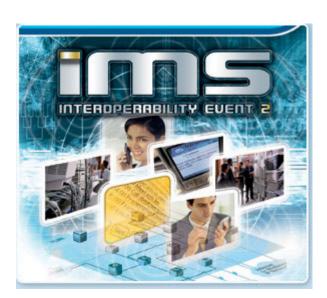
☐ Internet of Things is defined as a strategic topic by the ETSI Board



- ☐ Several working groups are active in ETSI Technical Organization
- **□** ETSI organizes RFID Plugtests



☐ ETSI organizes workshops (M2M)





### **Stakeholder Convergence**





**RFID Mandate** 



World Class Standards

Board ad hoc groups
-Internet of Things
-M2M



### **Conclusions**

- ☐ ETSI is a 'must-consult' body for European standardization in support of regulation for RFID
- □ ETSI is part of a global dialogue on RFID standardization at all levels



- ☐ Issues for today are spectrum harmonization, and trust & security.
- Moreover ETSI is preparing for the future where RFID is ubiquitous and the Internet of Things becomes real



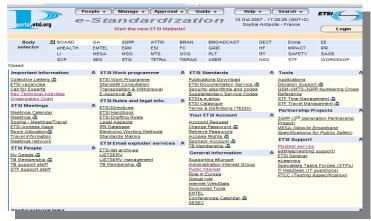


### **Getting information**

- □ ETSI website
  - general public information
  - free standards download
  - promotional aspects
- □ ETSI portal
  - easy access to data for each tb
  - Working documents
  - ETSI applications and databases
- ☐ 3GPP website
- MESA website
- **☐** Forapolis website









### Thank you for your attention



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