

Symposium Honouring  
**Professor Erol Gelenbe**

*Can Europe have a telecoms industry ?*

*Alain Bravo*

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# GLOBAL TELECOM INDUSTRY

2015 Outlook (Digiworld Yearbook) : 1800 B€

networks	platforms	- Telecom services	- internet services
17,4 %		64,5 %	18,1 %

## Drivers for change

- Telecoms Operators / OTT providers
  - Digital connectivity – IoT – IoO

3 prospective scenarios for Telecoms 2025

commoditisation / connectivity + / digital mall

# New start for Europe : a connected digital single market

European Commission Communication – 6/05/2015

Reform of the current telecoms rules (2016)

Assessment of the rôle of platforms (2015)

Cybersecurity contractual PPP (2016)

Data ownership, free flow of data, European Cloud  
(2016)

Priority Standards Plan for the Digital Single Market  
(2015)

## KEY ENABLING ACTION PLAN : Micro- & Nano- Electronic Components and Systems

Target : double the economic value of the component production (physical & virtual) in Europe by 2020-2025

- Involving users at the earlier stage via demand accelerators for wide diffusion
- Preparing and strengthening the supply chain through effort both from the public and private side
- Providing suitable framework and training/education infrastructure

# KEY ENABLING ACTION PLAN : FIRE FUTURE INTERNET RESEARCH - EXPERIMENTATION

- A concept of experimentally-driven research
  - a dynamic European Experimental Facility
- A framework favourable to Future Internet concepts

Since 2007, compelling results in IOT, LTE, SDN & opening of the OneLab Experimental Facility with a new mechanism « Open Access »

Education and Training : FIRE & KIC ICT Labs  
learning by doing

# KEY ENABLING ACTION PLAN : ECOSYSTEMS OF VERTICAL APPLICATIONS

Combined (market pull-supply drive) strategy essential

- Vertical markets where Europe is strong (automotive, energy, medical and life sciences, ...)
  - Emerging markets for connecteds objects and IoT (climatology, agriculture, environment, ...)
  - Markets in the landscape of mobile convergence based on leading edge semiconductor manufacturing
- EIT ICT Labs : important foundation for top skills

# YES, EUROPE CAN HAVE A TELECOMS INDUSTRY IF ...

- IF GREATER TECHNOLOGY INVESTMENT,  
NOTABLY IN KEY ENABLING ACTION PLANS
  - IF BOOST OF THE INDUSTRIAL AND  
EDUCATIONAL ECOSYSTEM
- IF MORE UNIFIED AND SUPPORTIVE DIGITAL  
MARKET PLACE & REGULATORY FRAMEWORK
- IF IMPLEMENTATION OF AN AMBITIOUS 2015-  
2020 TIMETABLE