TICs, un vector de transformación de las matrices productivas
ICT became a major driver for innovation in vertical sectors: **Smart** health, energy, environment, transportation, agriculture, manufacturing and banking ...
Joint value creation: digital industry and vertical industries

« OTT » and « Cloud »
Web 2.0 – Social Networks
Mobile Internet and High Speed 2.0
Skype-2003, Facebook-2003, YouTube-2005,
AmazonEC2-2006,
iPhone-2007

~1969 - Ancestors
~1984 - Internet
~1992 - Open to mass market
~1995 - Web 1.0
~2000 - High speed 1.0
Example of General Paradigm

IoT (sensors): Observing the real world

Real and Digital Worlds’ progressive fusion

IoT: Acting on the real world

Smart Data: Understanding the real world

Facilitated by Virtual and Augmented Reality
New health paradigms

- Epidemiology - automation
- Diagnostic
- Real time
- Prevention
- Analysis
- Continuous monitoring, Real time measurements
Best Market Capitalization

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ICT4V: The concept in a nutshell

Research and Innovation centre on the domain of ICT and on its interactions with various vertical sectors
Interdisciplinary

Playing a major role in the development of the innovation capacity and its application to value creation and increasing competitiveness and sustainability

Built as a partnership among several players, both from industry and academia, from Latin America, Europe and North America
ICT4V present partners
General Information

Technology Centre in Uruguay officially created on June 25, 2015
Signature of international collaboration agreements

Base Funding: Public-Private-Partnership

- Public support from ANII
- Plus per project business models and funding
Opportunities for Uruguay

Running projects

• eHealth
• Bioinformatics
• Banking (mobile payment, automatic fraud detection)
• Enterprises’ productivity (tool for prototyping acceleration)
• Cyber-security (automatic attack detection and classification)
• Privacy by Design

Emerging projects

• Farming and agriculture (processes’ optimization and environmental impact)
• Water quality management
• Energy (smart grid)
• Learning Analytics
• Food quality
Strategic Foresight

• Mid Term: Leveraging ICT for increasing productivity in the various productive complexes
  – Identifying trends and low signals
  – Raising disruptive opportunities
• Long Term: Identifying and analyzing possible futures
  – E.g. will 3D food printing transform the livestock sector?
  – Key control variables, possible trajectories from present
  – Risk analysis
• Collaboration program with OPP
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