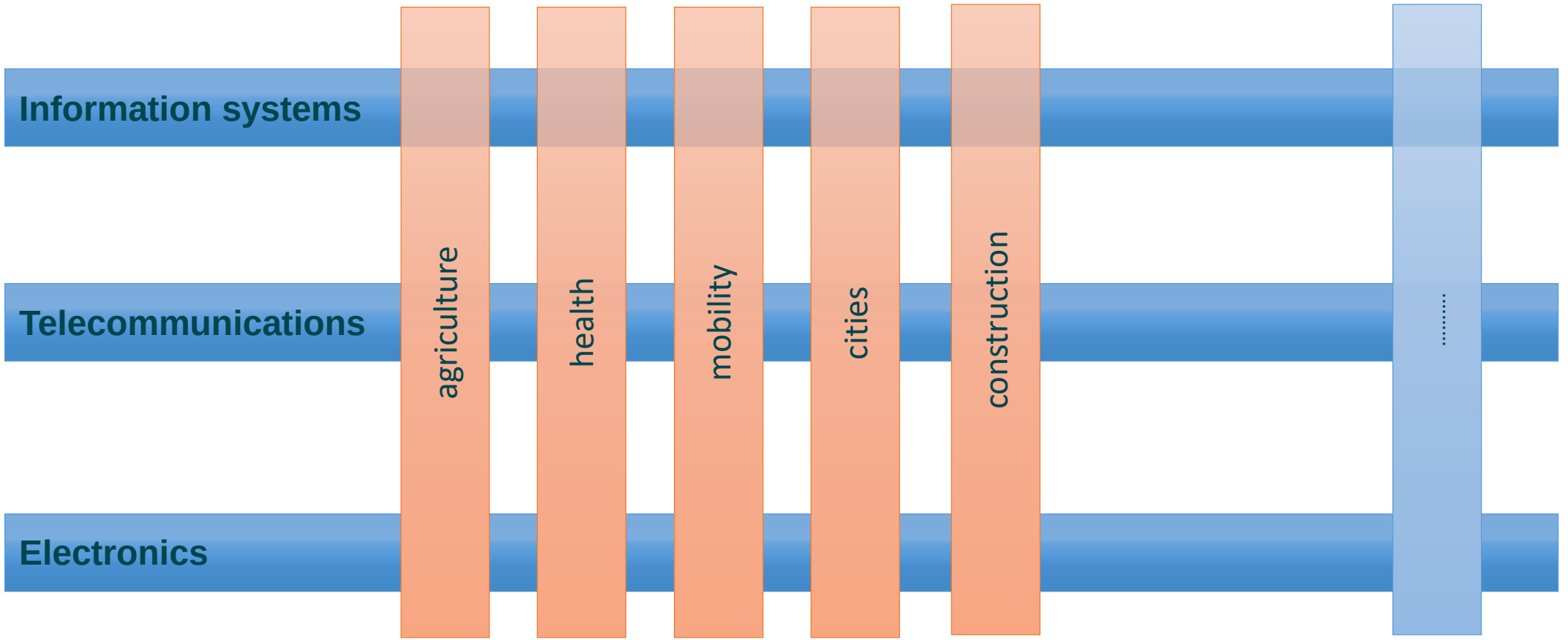
tice.pt

CLUSTER DAS TECNOLOGIAS DE INFORMAÇÃO, COMUNICAÇÃO E ELETRÓNICA

01/10/20

Cofinanciado por:

Industrial Ecosystems: Digital



Industrial Ecosystems: Digital

What happen during covid?

home

Industrial Ecosystems: Digital

- We went home and the “home” became the center of our activity!
- Implications
  - Residential connections must be improved
  - Wifi coverage (within the house) must be improved
  - Contention factor must be reduced
  - Core network should be upgraded to coop with the increased traffic
  - The interconnection among different operators should be upgraded
  - …….

Industrial Ecosystems: Digital

- Learnings…and challenges…
  - Creating applications that improve remote actions
    - Virtual/augmented reality applied to
      - Learning and teaching process
      - Support informal health actions
      - ….
    - Robotics to extend our capabilities…
    - …..

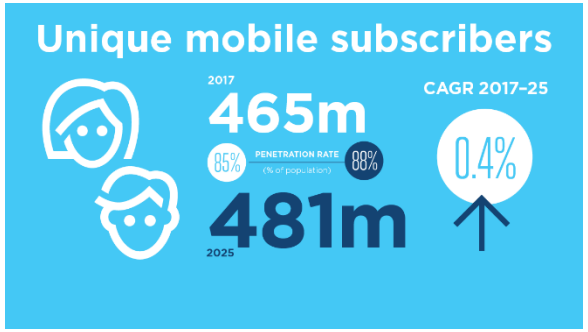
Industrial Ecosystems: Digital

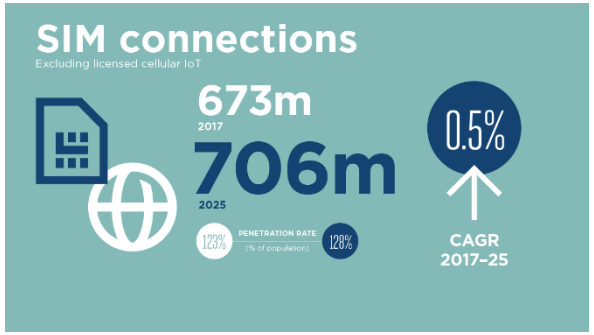
- Data….
  - Is it important?
  - Are we taking care of it?...
  - Isn’t data important for all the sectors?…
  - is “digital” assuming its “responsibilities” on preserving and ensure that data is available to be used?
  - Where is the data to apply all the beautiful things that artificial intelligence can provide us?

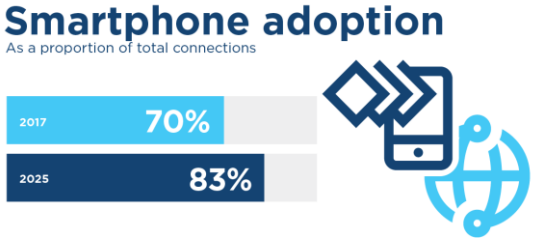
- …European digital Sovereignty….it seems to be on the table now….but…is not probably enough….

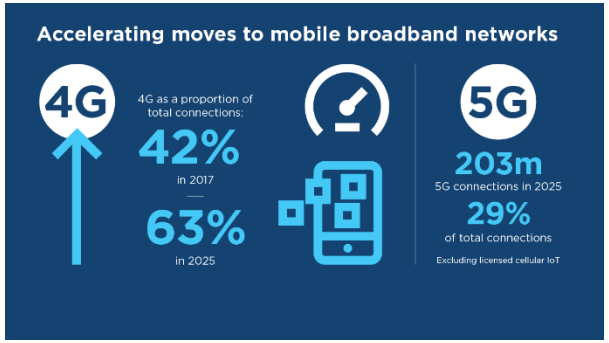
- Mobile picture (www.gsma.com/mobileeconomy/europe/)
  - 86% Unique mobile subscriber penetration at the end of 2019 (+/-470 millions).
  - 76 % Smartphone adoption at year-end 2019, as a proportion of total connections (+/-357 millions).

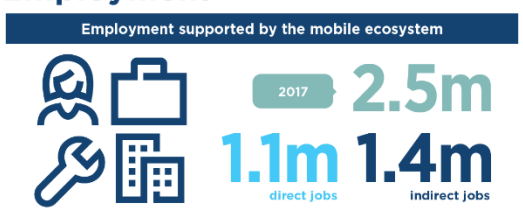
Industrial Ecosystems: Digital

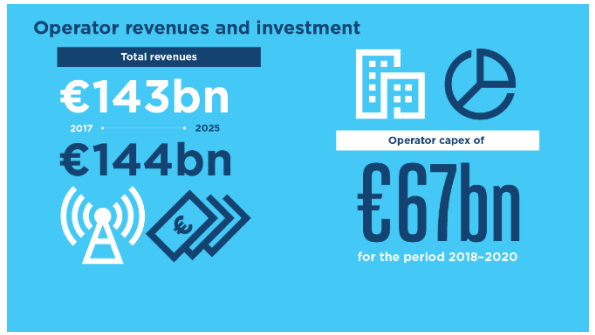


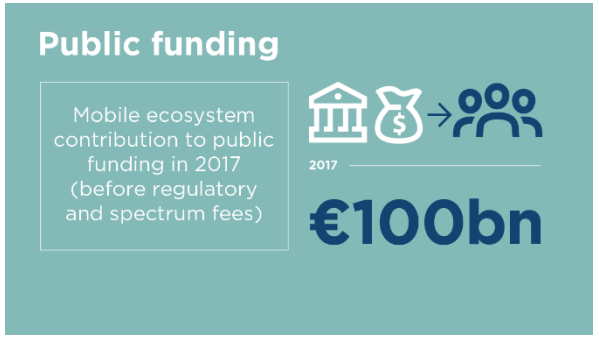












www.gsma.com/mobileeconomy/europe/

Industrial Ecosystems: Digital

- **S**(square)**K**(kilometer)**A**(array)
  - Placed in south Africa and Australia
  - Producing more data than the world internet today
  - Strong involvement of Europe on this (
  - Where goes the data? How can we deal with it?
- Smart cities will grow, growing the involvement of the citizien and its data production…
- ...just a few more contributions to reinforce the bet on the European data Sovereignty

- Some figures on the recovery plan-Portugal
  - **Digital transition**
    - Budget>**3.000 millions** €=+/- 300€/inhabitant
    - 700 millions>for schools
    - 500 millions>for companies
    - 1800millions>for public departments
  - **Innovation and training**>2.500 millions>250/inhabitant
    - ….

Industrial Ecosystems: Digital

- My “challenge” ☺
  - **Build an European mobile platform to preserve and use the data that we are producing.** Look at this as a defense issue

It’s time to think about value …..

- **Implement a PPP devoted to this area**
  - To increment research
  - To foster innovation
  - To operate and maintain
  - To lead the way and make Europe a lighthouse …again ☺

Industrial Ecosystems: Digital

- Summary
  - Data should be treated as a fundamental “material” for all sectors of economy
  - Data should be considered as a “defense” issue
  - Europe should create conditions to have a “word” on this field and aim to be a lighthouse on this area
  - To achieve that:
    - Create a PPP involving the European mobile operators (each with a share according with the sim cards they “have”)
    - Use this PPP to define the European road map related with mobile (platform and terminals..)
    - …..
  - Assume data as a “rare” material, vital like the other materials.