

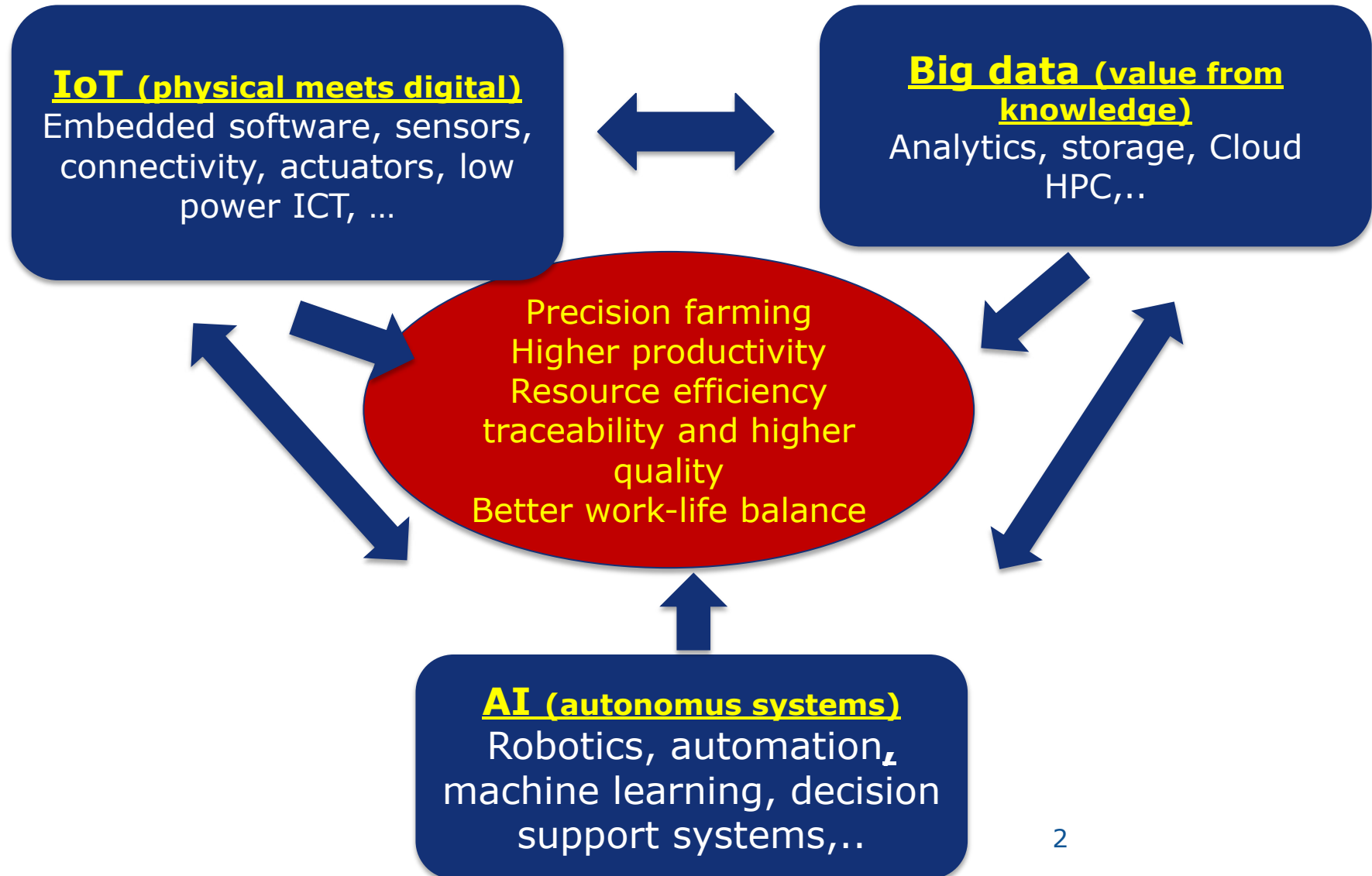
Digital Single Market policy Digitising European Industry initiative

And

Digital transformation of agriculture and farming

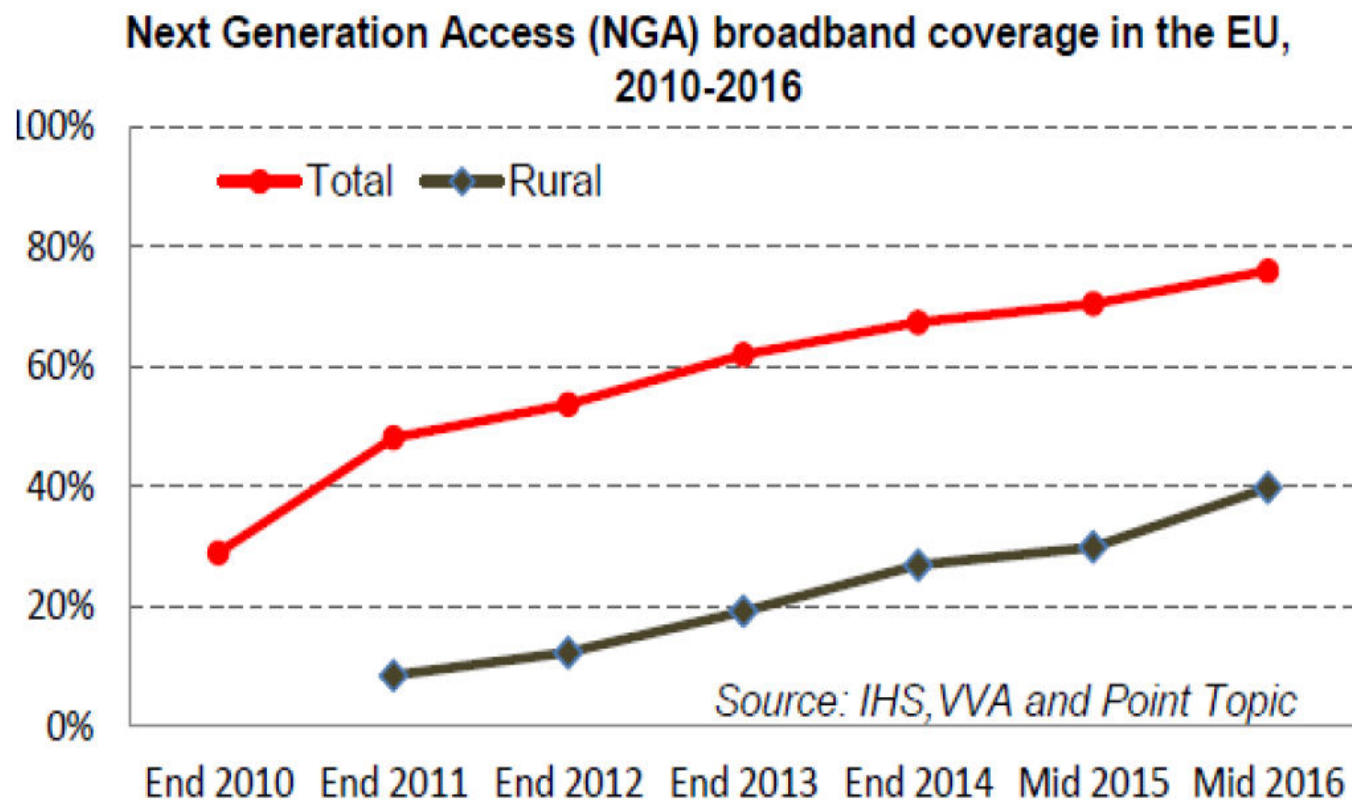
*European Commission - DG CONNECT
Khalil Rouhana, Deputy Director General*

Digital innovations transforming agriculture, farming, agro-food



- **A true Digital Single Market**
- **World class digital infrastructure (also in rural areas)**
- **Easy access to finance**

Situation of BB in rural areas



Special effort to support investments
ESIF, EFSI, CEF: Current levels are still relatively low

DEI main actions and agriculture & farming

Mainstreaming digital
innovations
DIHs

Strengthening
competitiveness in the key
parts of digital value chains
Focus on integration and
platforms

Adapting regulations:
Data flow, ownership & use
Trust, security, Liability

Preparation of the
workforce
Training, skills, work environment

Current situation & future plans: digitisation in Agriculture and farming

Mainstreaming digital innovations
DIHs

An important DIH in robotics is in
agriculture and agro-food

More to come in the coming 3 years
(300 M€ on DIH)

Integration, platforms, pilots
Robotics: 25 M€ on precision
farming

IoT LSP: 30 M€

Big data: ~20 M€

WP2018-20: 35 M€ +..

Adapting regulations:

Sept 2017: FFD regulation,
portability

Cybersecurity package

Spring 2018: Revised PSI, ..

**Preparation of the
workforce**

Training, skills, work environment

Example: IoF 2020 projet

- IoT Large scale pilot on Smart Agriculture and Food Security
- 30 M€ budget
- 70 partners (including CEMA), 19 use cases
- Coordinator: Wageningen Univ (NL)

5 TRIALS, 19 USE CASES



Example, MARS project: Swarm of agricultural robots



Innovation award at AGRITECHNICA
EU support under ECHORD++ (DIH project)

Example: Symphony project in microsystems for precision farming

- On-site detection of toxins in milk
- Reducing testing period to 30 minutes and on site
- Processes patented already
- Cost of a test $\sim 5\text{€}$
- Cost of the system $\sim 2000\text{ €}$

