

list
cea tech

TÉMOIGNAGE D'UN LAURÉAT: PROJET RESPONDRONE

Journée Nationale Horizon 2020 Sécurité | 08/01/2020

CEA TECH : INNOVATION CATALYST

SCIENCE **TECHNOLOGIES**








From research to industry

FUNDAMENTAL RESEARCH DEFENSE SECURITY NUCLEAR ENERGY **KEY ENABLING TECHNOLOGIES**

- 16,1100 people
- 10 research centers
- € 4,4 Mds budget
- 5844 patents portfolio




Speeding innovation for industry

LETI **LITEN** **LIST** **CTREG**





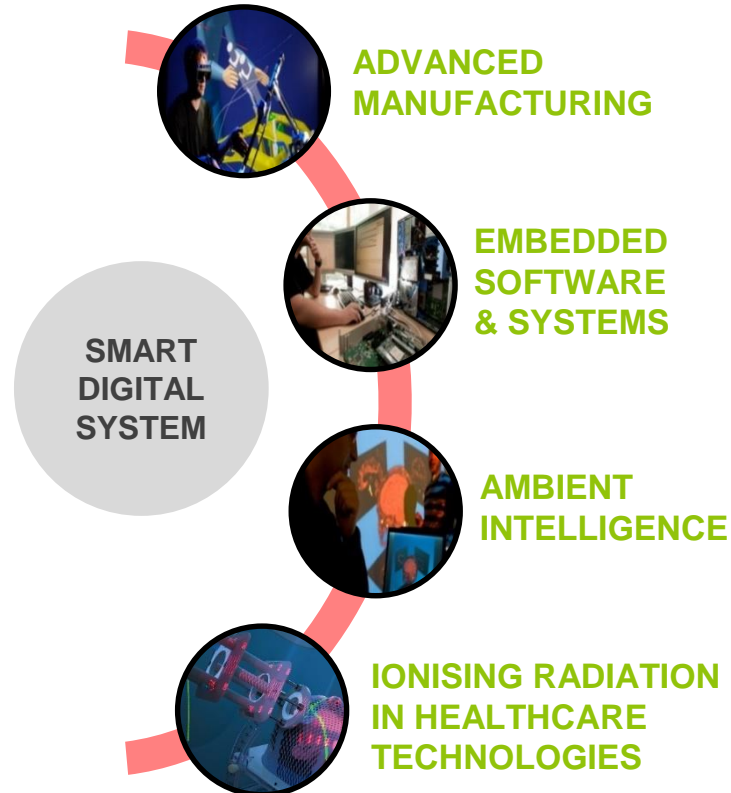

MICRO-NANO TECHNOLOGIES AND INTEGRATION IN SYSTEMS NEW ENERGY TECHNOLOGIES AND NANO MATERIALS SOFTWARE-INTENSIVE SYSTEMS DISSEMINATE THE KETS DEVELOPED

- 4,500 people
- 8 local centers
- € 650 M budget
- 4299 patents portfolio

LIST : A CEATECH INSTITUTE



INSTITUTE FOR DIGITAL SYSTEM : 4 MAIN STRATEGIC AXES DEVELOPPED



→ **Increase competitiveness of production tools**

- Robotics
- Virtual & Augmented Reality
- Non Destructive Testing
- Instrumentation, metrology

→ **Develop software tools to manage the digital complexity**

- Software & systems engineering
- HW/SW systems design
- Computing architectures
- Safety, security & reliability

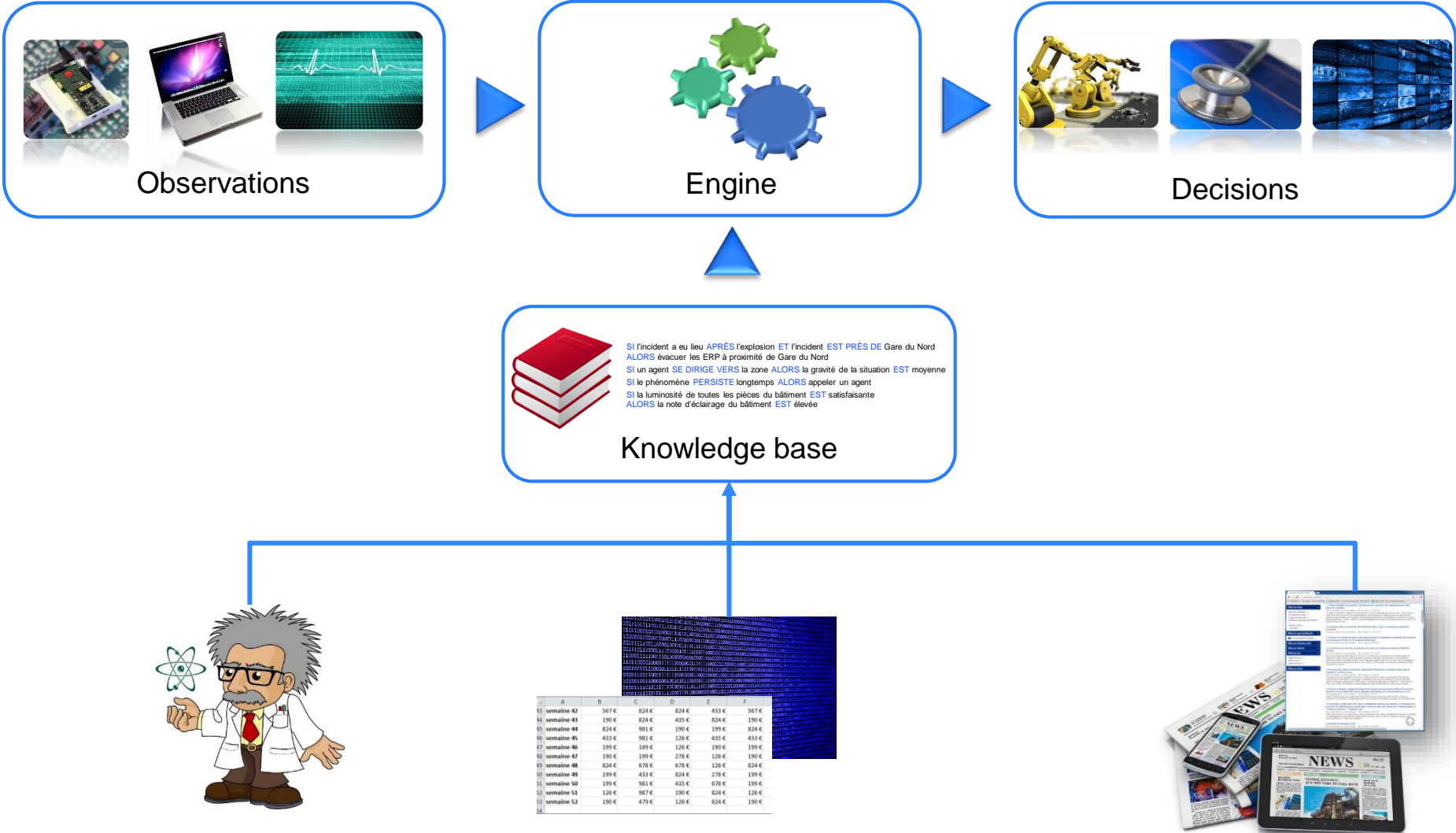
→ **Understand and interact with your environment**

- Sensors and signal processing
- Communication and interfaces
- Smart Data management and multimedia

→ **Towards personalized medicine**

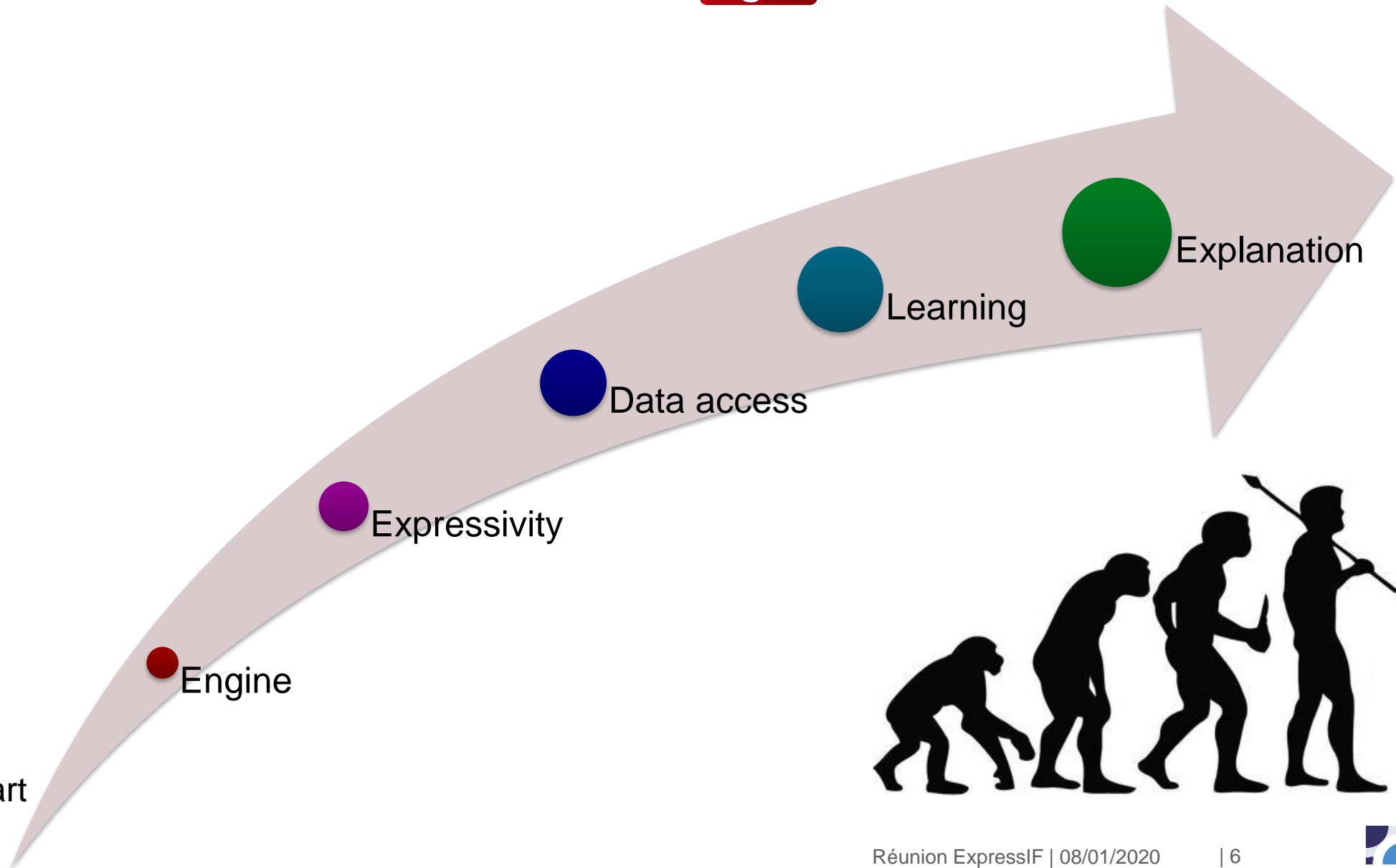
- Dose metrology
- Modelling and simulation

OUR TECHNOLOGY: EXPRESSIF



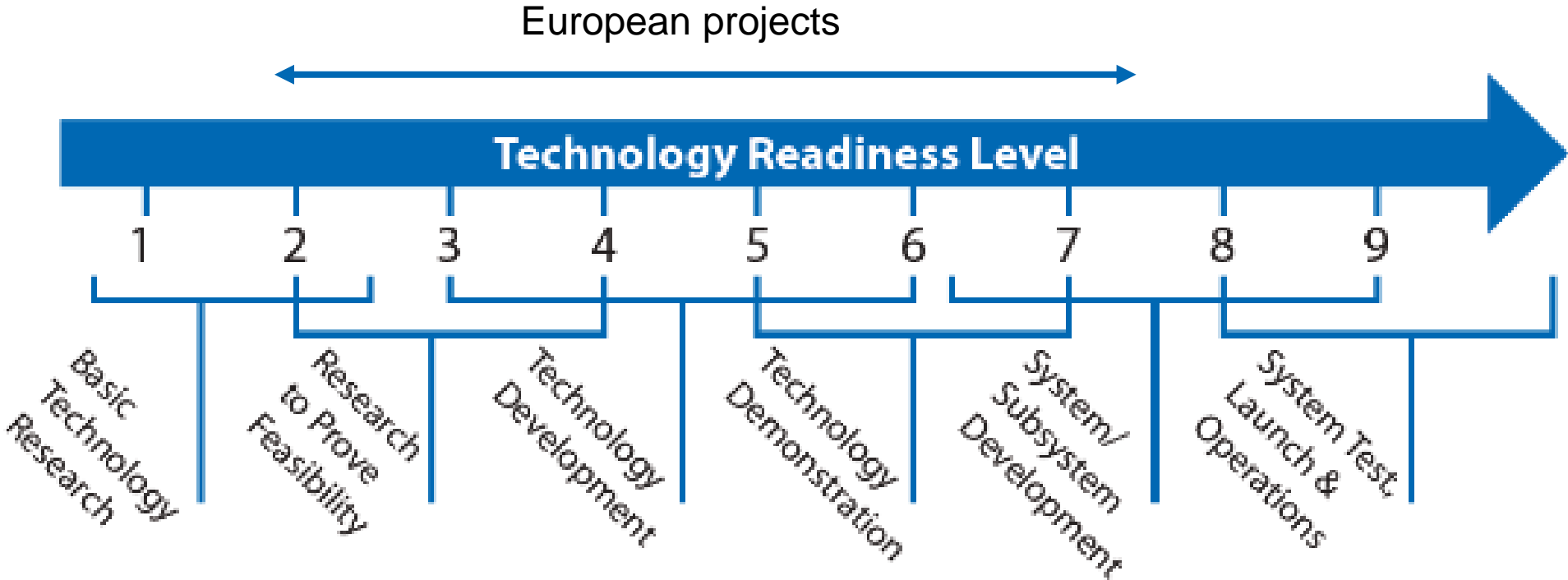


State of the art



XIA

EVOLUTION AND MATURITY





Situational Awareness System for First Responders

RESPONDRONE

- Co-funded by the EU and Korean government  
- Developing and applying a fleet of drones operated by a single pilot in emergency situations, providing critical information and communication services to first responders.
- 20 partners, 12 countries
- € 8 million from the EU + € 300,000 from the Korean government
- 36 months, started in may 2019

- French partners



KEY POINTS

- **Networking**
- **Consultancy and management services for Research and Technological Development**
- **Complementarity of the consortium**
- **Buzz words**
- **Distribution of roles for the proposal: administrative vs scientific parts**

Thank you for your attention

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