ROBOTICS in H2020 - ICT-2018-2020

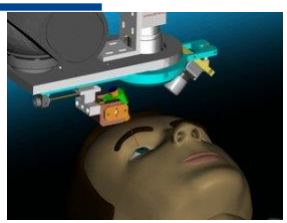
DT-ICT-02-2018: Robotics Digital Innovation Hubs

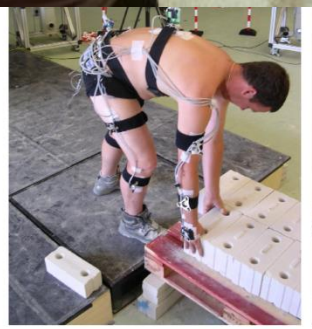
ICT-09-2019-2020: Robotics in Application Areas

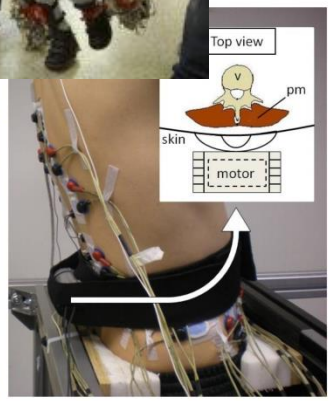
ICT-10-2019-2020: Robotics Core Technology

DT-ICT-12-2020: The smart hospital of the future

4 Priority Areas

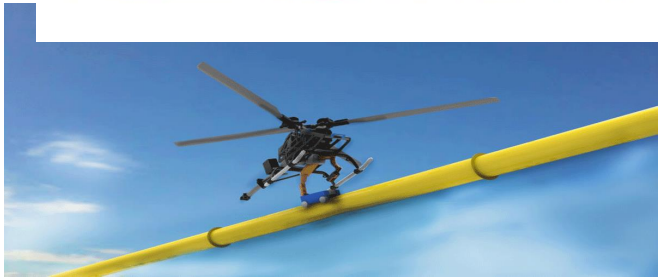






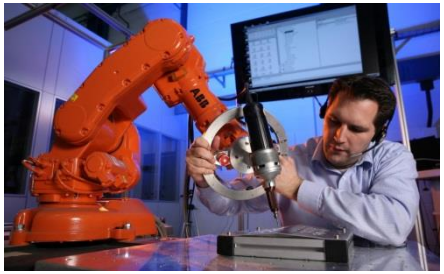
- Healthcare

- Inspection and maintenance of infrastructure



- Agri-food

- Agile production

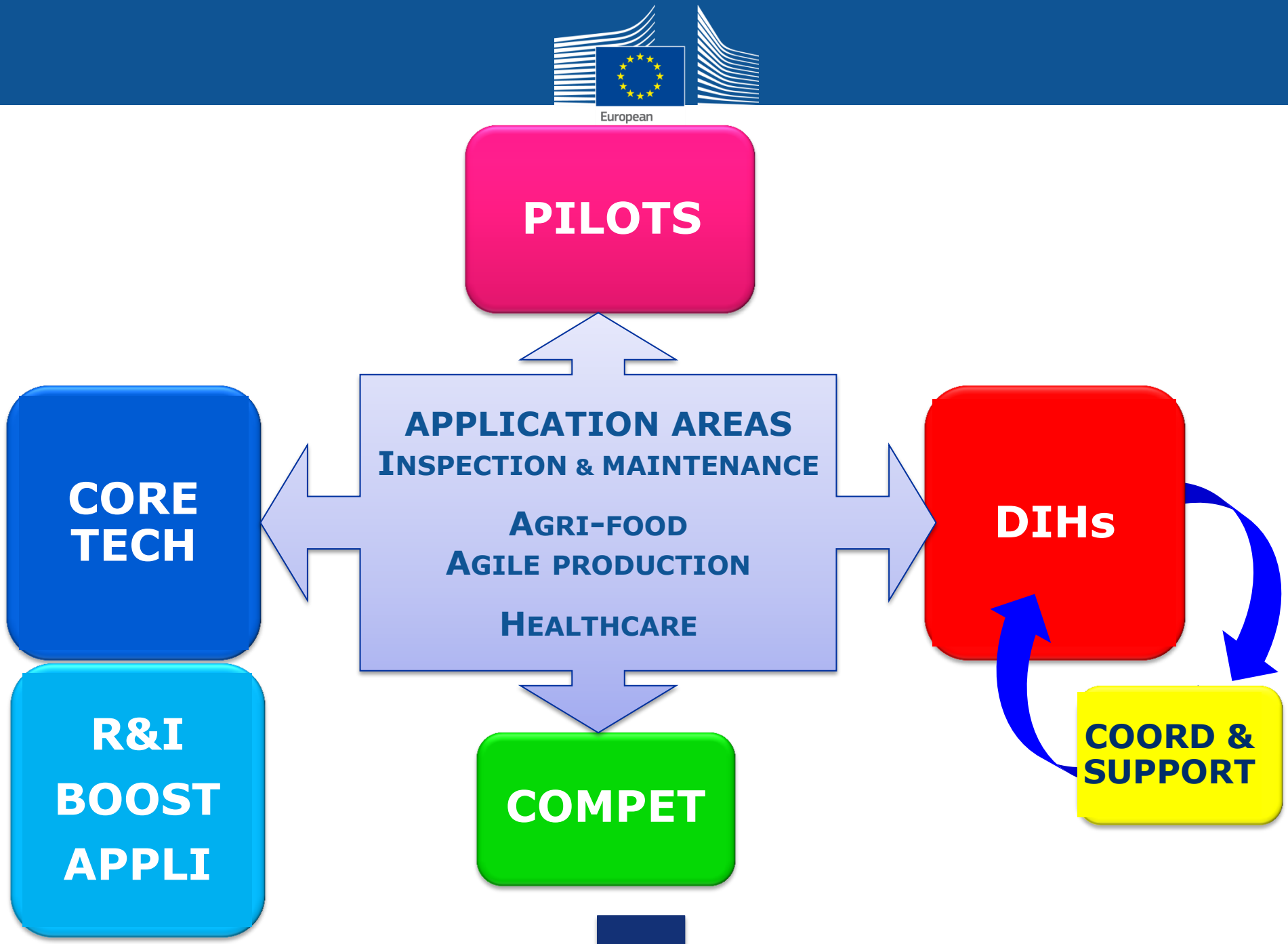


4 Core Technologies

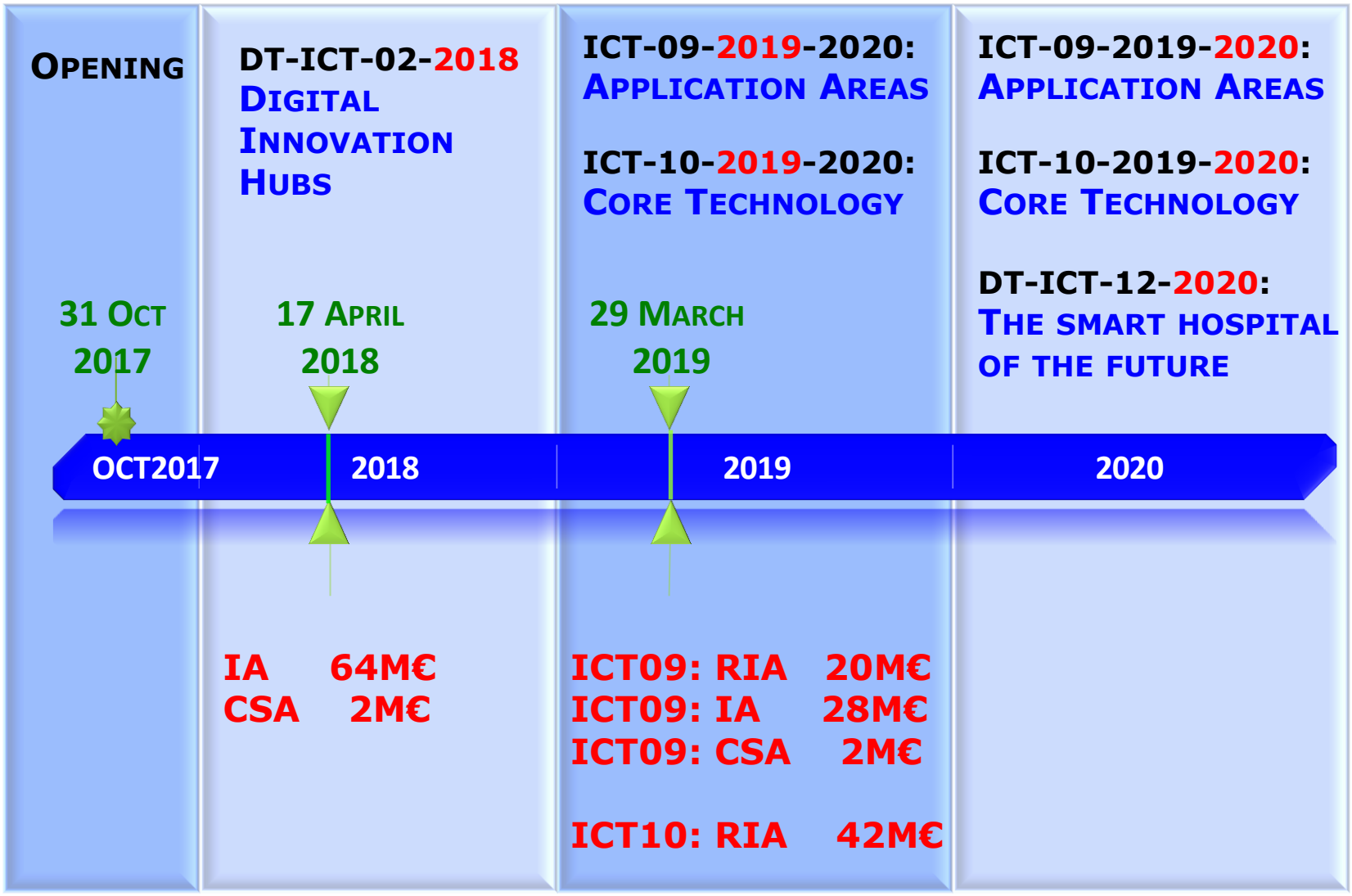
- AI and Cognition
- Cognitive Mechatronics
- Socially cooperative human-robot interaction
- Model-based design and configuration tools

5 ACTIONS

- DIHs (Digital Innovation Hubs)
- RIAs (Research and Innovation)
- Large Scale Pilots
- Competitions
- Coordination


European
PILOTS
CORE TECH
APPLICATION AREAS
INSPECTION & MAINTENANCE
AGRI-FOOD
AGILE PRODUCTION
HEALTHCARE
DIHs
R&I BOOST APPLI
COMPET
COORD & SUPPORT

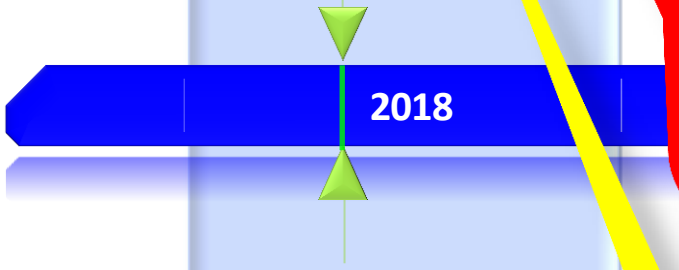
TIMELINE


OPENING
DT-ICT-02-2018
DIGITAL INNOVATION HUBS
ICT-09-2019-2020:
APPLICATION AREAS
ICT-10-2019-2020:
CORE TECHNOLOGY
ICT-09-2019-2020:
APPLICATION AREAS
ICT-10-2019-2020:
CORE TECHNOLOGY
DT-ICT-12-2020:
THE SMART HOSPITAL OF THE FUTURE
31 OCT 2017
17 APRIL 2018
29 MARCH 2019
OCT2017
2018
2019
2020
IA 64M€
CSA 2M€
ICT09: RIA 20M€
ICT09: IA 28M€
ICT09: CSA 2M€
ICT10: RIA 42M€

TIMELINE

European Commission

DT-ICT-02-2018
DIGITAL INNOVATION HUBS



IA 64M€
CSA 2M€

a. IA – 64M€
1 Network of Robotics DIHs per Priority Area:
- **Healthcare**
- **Inspection and maintenance of infrastructure**
- **Agri-food**
- **Agile production.**

Budget: 16M€/proposal

b. CSA – 2M€
1 Central Robotics DIH CSA
Budget: 2M€/proposal

TIMELINE

European Commission

RESEARCH & INNOVATION
BOOSTING PROMISING APPLICATIONS
(EXCLUDES THE 4 PRIORITY AREAS)
RIA – 20M€

PILOT:
INSPECTION AND MAINTENANCE
IA – 28M€

COMPETITIONS
CSA – 2M€

ICT-09-2019-2020:
APPLICATION AREAS

ICT-10-2019-2020:
CORE TECHNOLOGY

29 MARCH 2019

2019

ICT09: RIA 20M€
ICT09: IA 28M€
ICT09: CSA 2M€

ICT10: RIA 42M€

CORE TECHNOLOGIES:
RIA - 42M€

- **AI & COGNITION**
- **COGNITIVE MECHATRONICS**
- **SOCIALLY COOPERATIVE HRI**
- **MODEL-BASED DESIGN & CONFIG. TOOLS**

TIMELINE

PILOTS - APPLICATION AREAS:
- AGRI-FOOD
- AGILE PRODUCTION

PILOTS
- SMART HOSPITAL OF THE FUTURE

RESEARCH & INNOVATION
BOOSTING PROMISING APPLICATIONS
(EXCLUDES THE 4 PRIORITY AREAS)
RIA

CORE TECHNOLOGIES
- AI & COGNITION
- COGNITIVE MECHATRONICS
- SOCIALLY COOPERATIVE HRI
- MODEL-BASED DESIGN & CONFIG. TOOLS

ICT-09-2019-2020:
APPLICATION AREAS

ICT-10-2019-2020:
CORE TECHNOLOGY

DT-ICT-12-2020:
THE SMART HOSPITAL OF THE FUTURE

2020

Thank you