



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

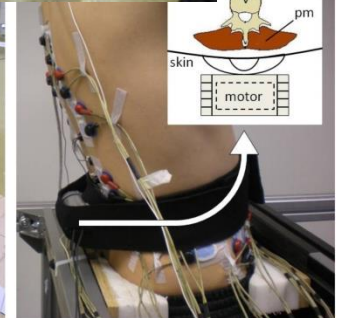
DT-ICT-12-2020: The smart hospital of the future



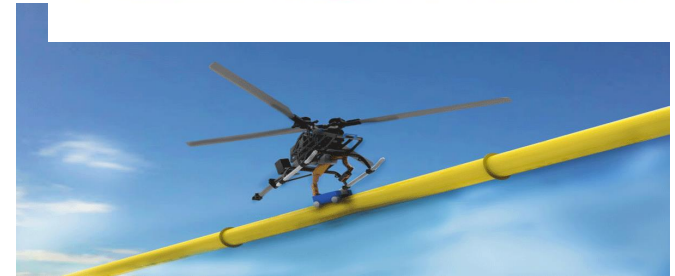
European
Commission

4 Priority Areas

Healthcare



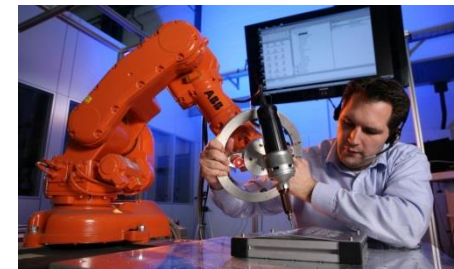
Inspection and maintenance of infrastructure



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



PILOTS

APPLICATION AREAS
INSPECTION & MAINTENANCE
AGRI-FOOD
AGILE PRODUCTION
HEALTHCARE

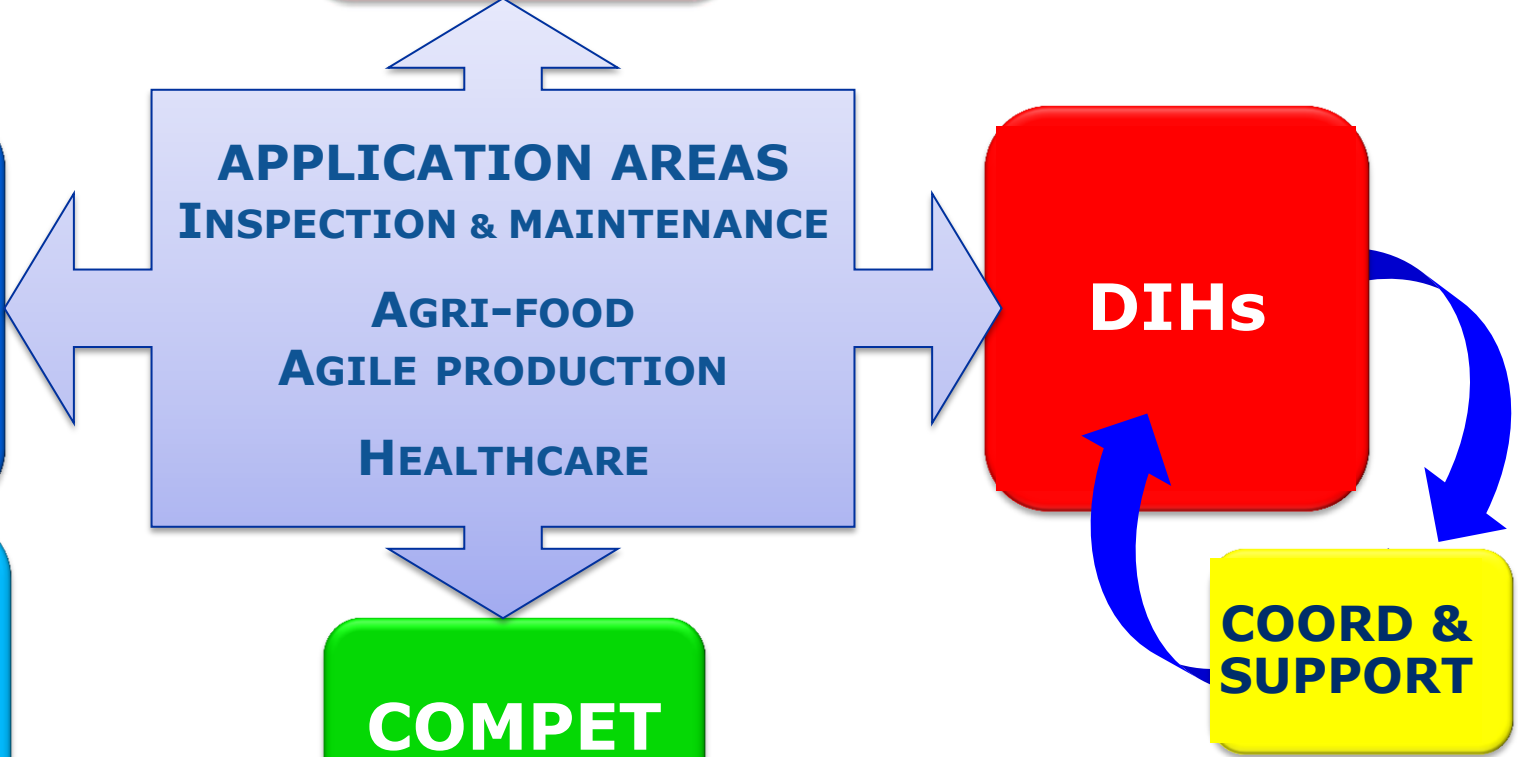
**CORE
TECH**

**R&I
BOOST
APPLI**

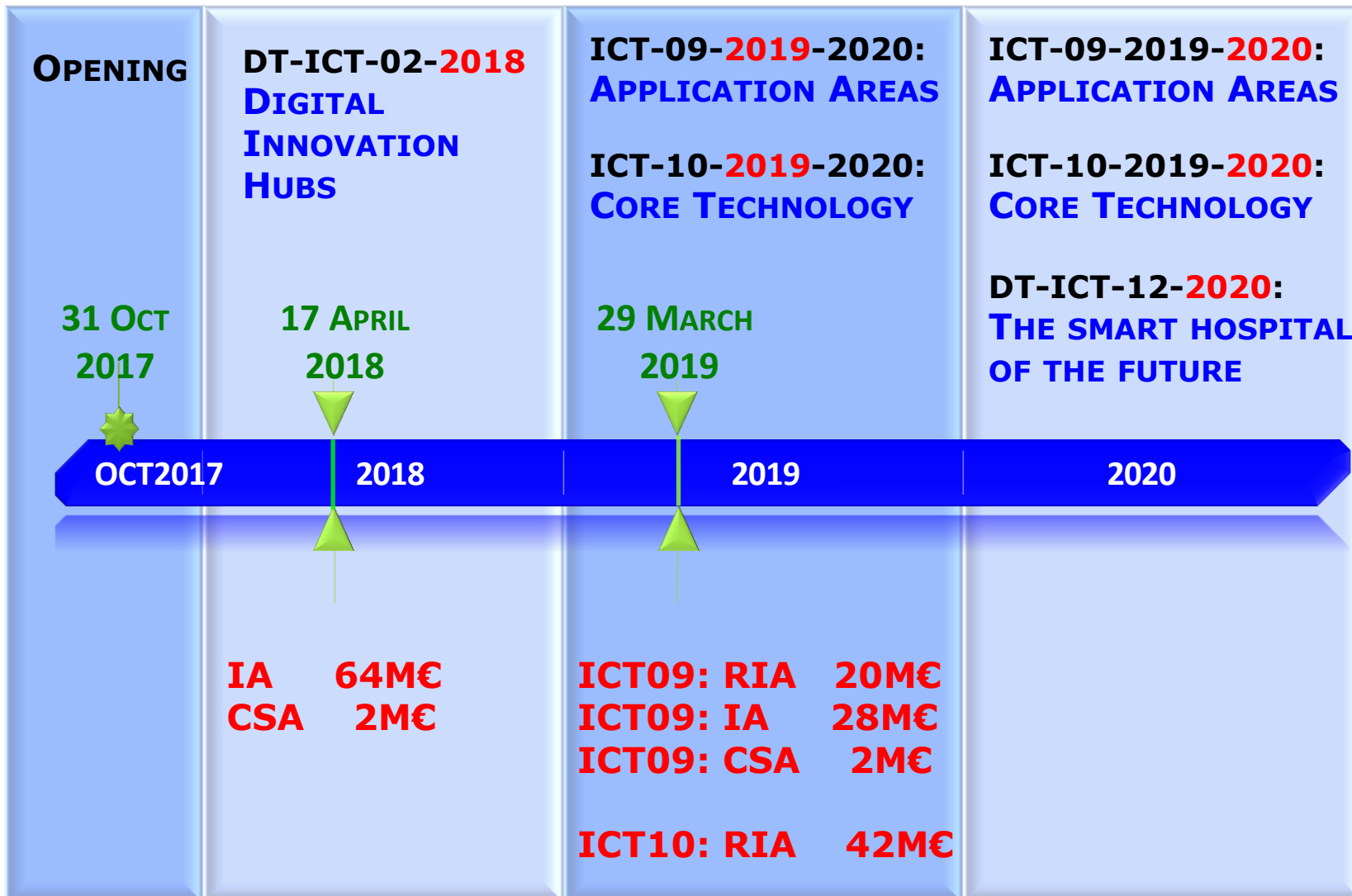
COMPET

DIHs

**COORD &
SUPPORT**



TIMELINE



TIMELINE



DT-ICT-02-2018
DIGITAL
INNOVATION
HUBS

17 APRIL
2018

2018

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



**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

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

2020



European
Commission

Thank you