

Knowledge Transfer

2018 Quarterly Onboarding

Anais.Rassat@cern.ch

Knowledge Transfer Group

IPT Department

Find out more at kt.cern

Mission du CERN



Science



Technologie

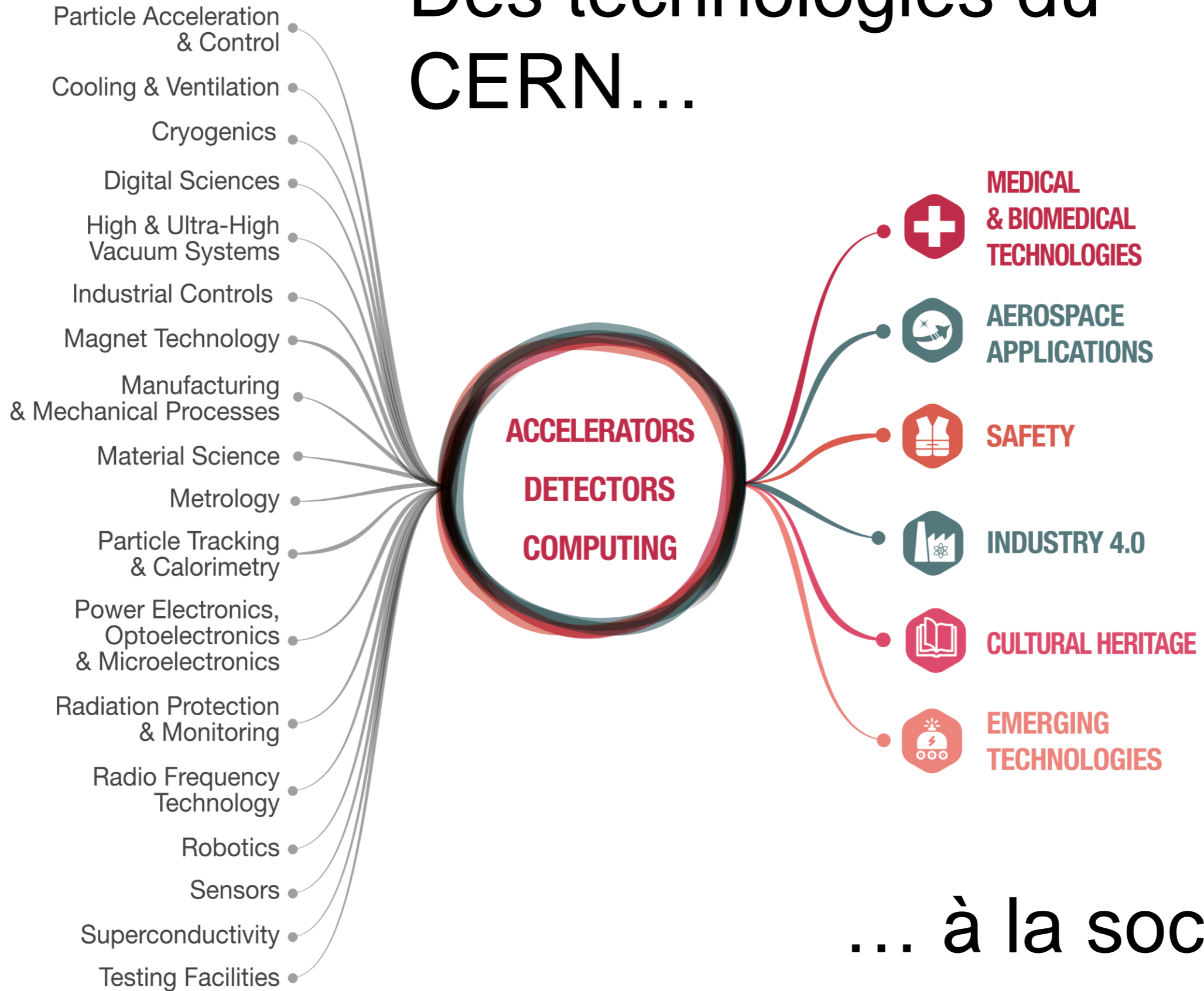


Formation



Collaboration

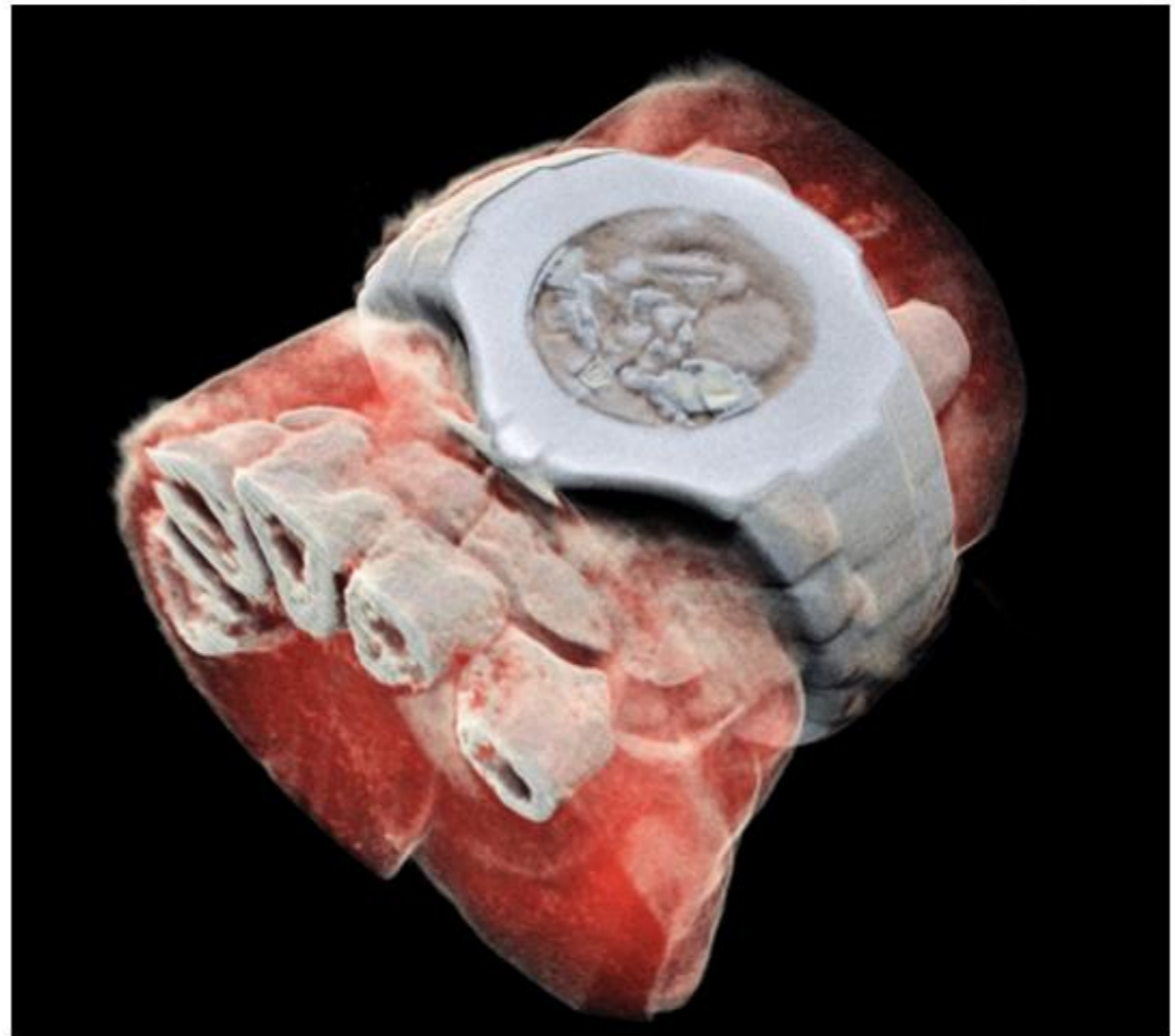
Des technologies du CERN...



... à la société

3-D Color X-Rays Could
Help Spot Deadly
Disease Without Surgery

The
New York
Times

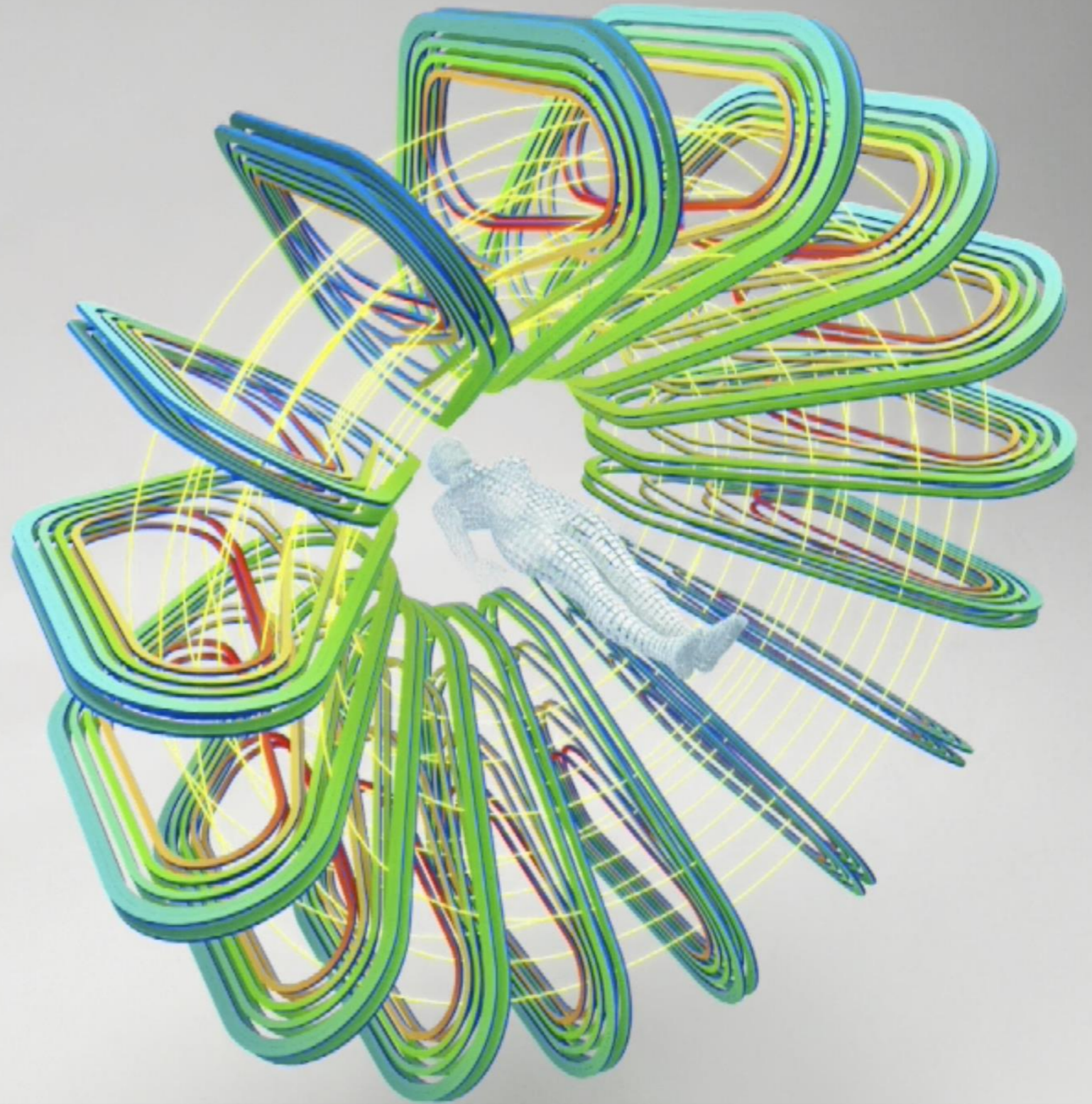


MARS Bioimaging & Medipix

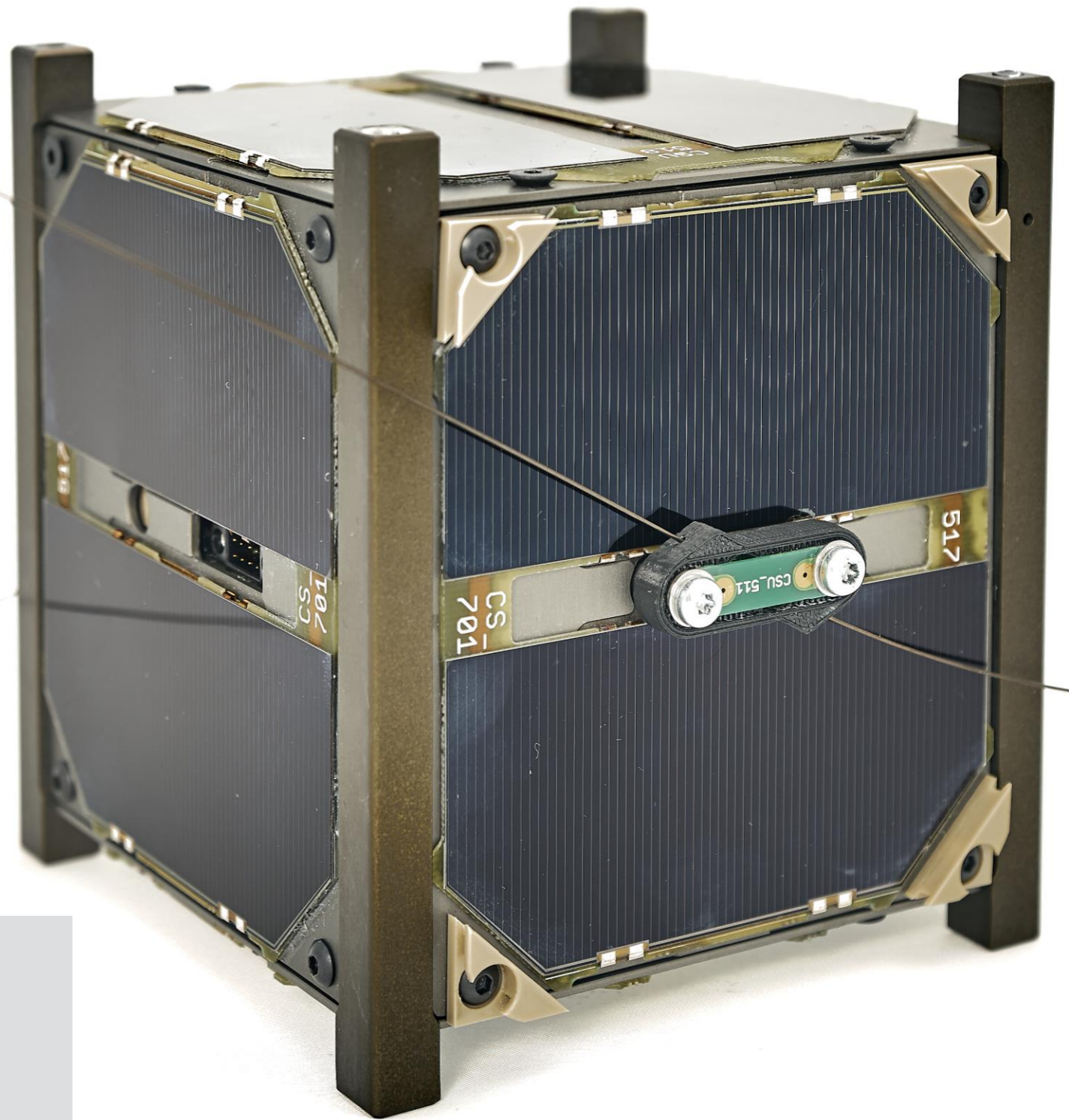
GaToroid

Technologie des
aimants
supraconducteurs

“Cette idée a un
brin de folie.”



Luca Bottura, Leader of the CERN Magnets, Superconductors and Cryostats group



Premier satellite
entier CELESTA
testé à CHARM



**Accelérateur
compact pour
l'analyse d'art**

**Funding Opportunities for
CERN Projects**

**Collaborations and
Networks**



Open Source



Entrepreneurship



**CERN
Knowledge
Transfer
Ecosystem**

**Support for
CERN Personnel**



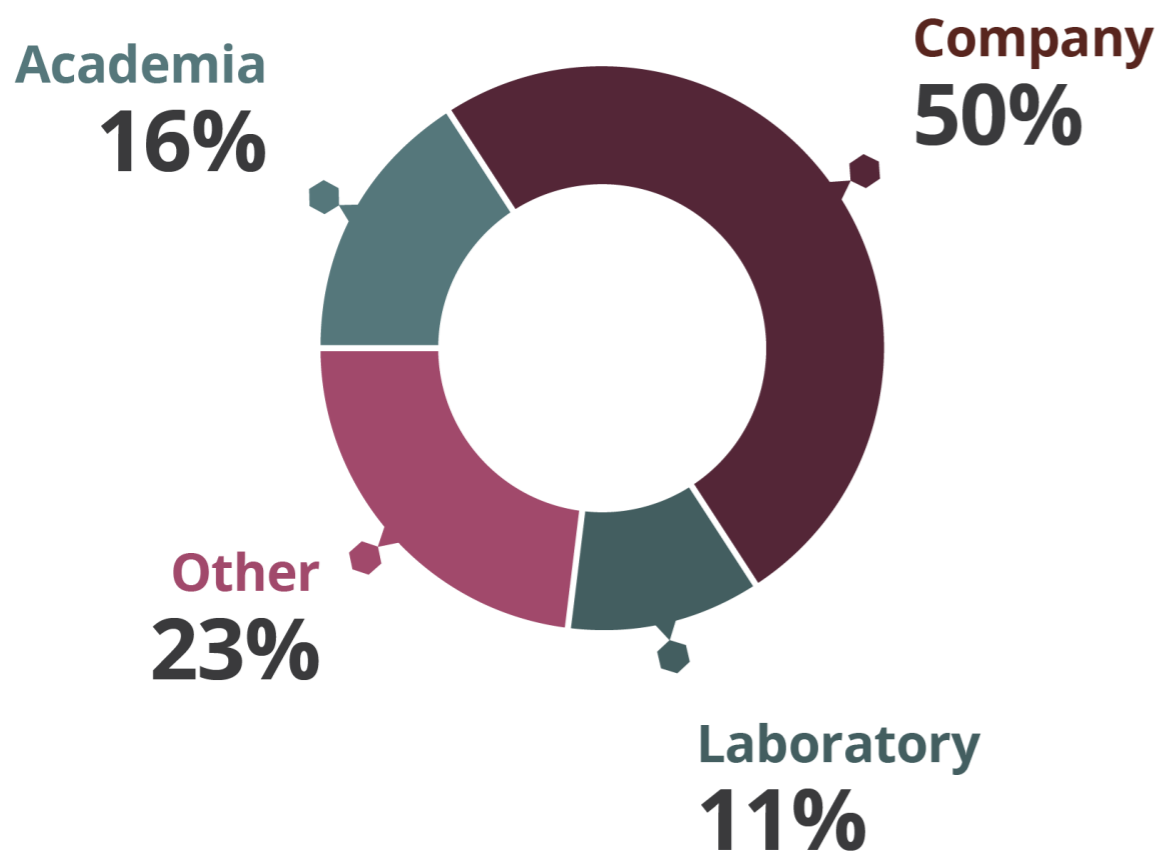
Events



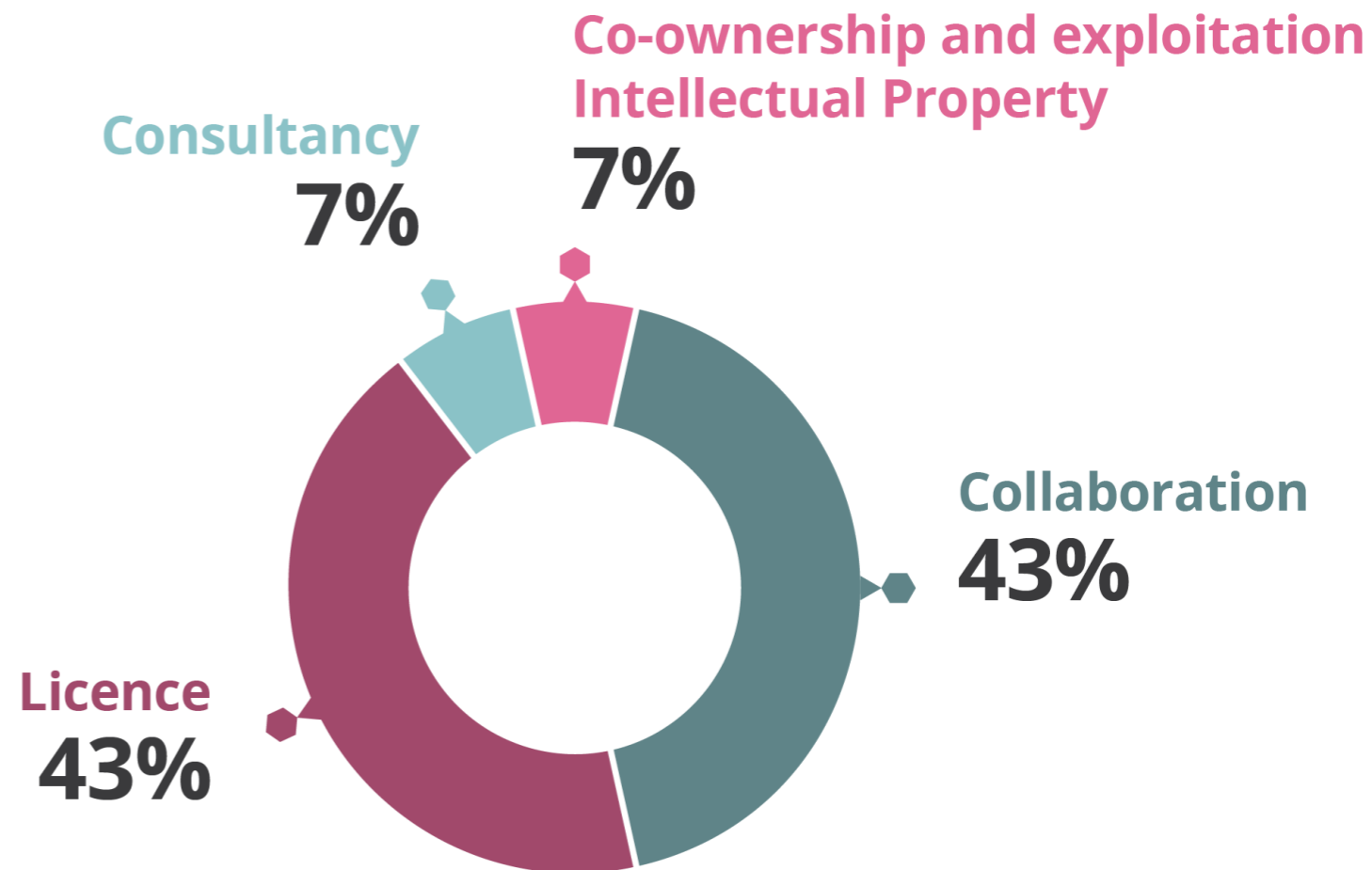
**Intellectual Property
Management**

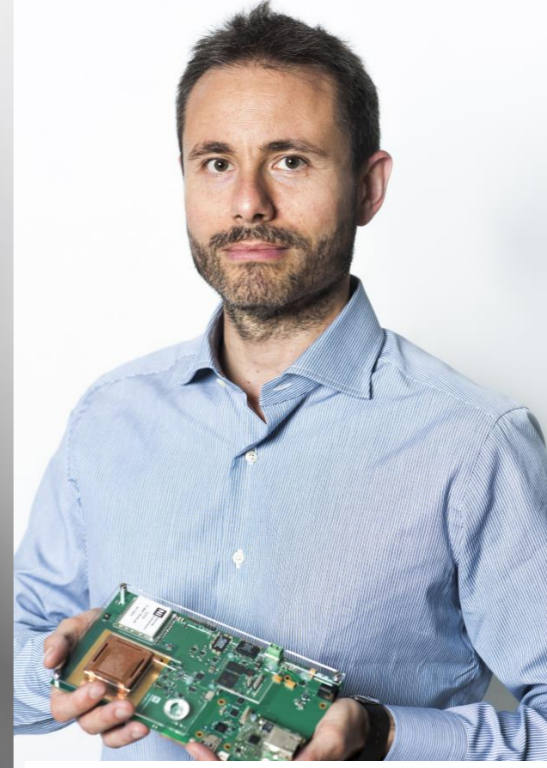
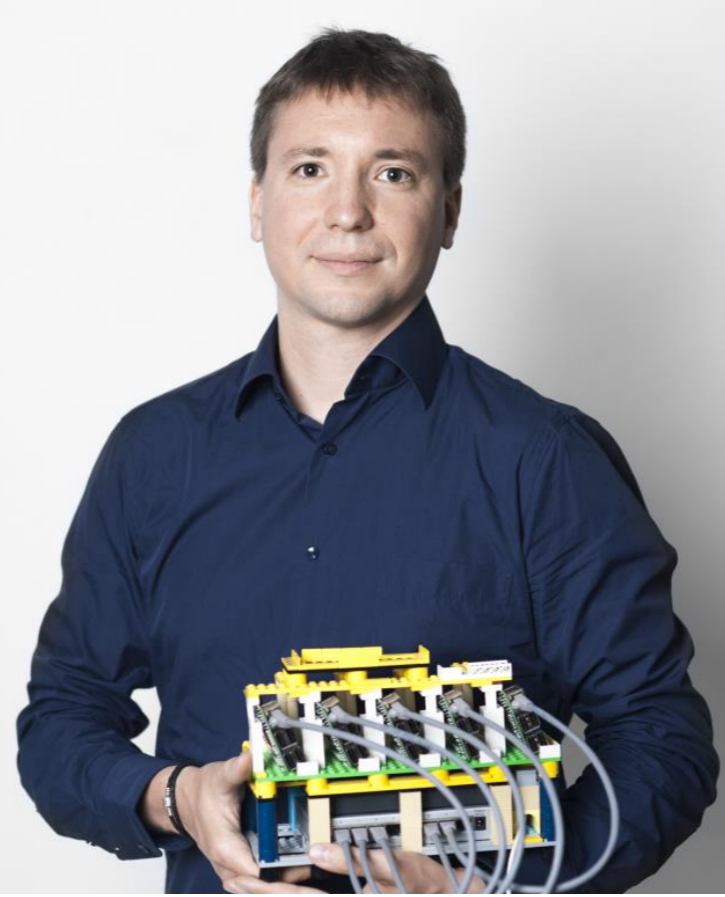
44 Contrats KT en 2018

Contract by Partner

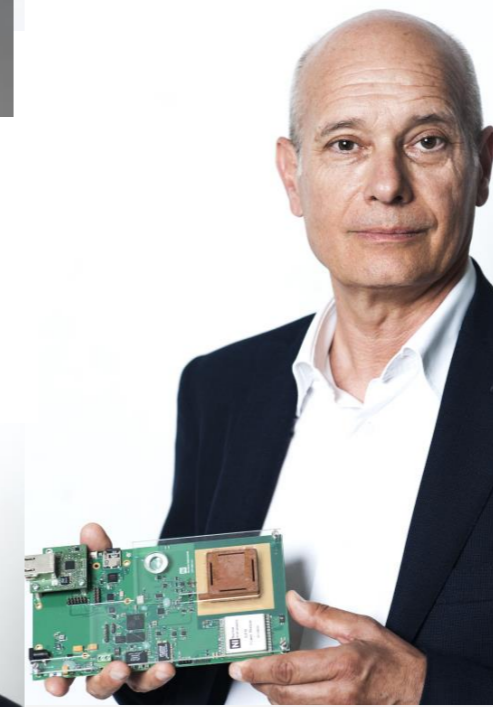


Contract by Type





CERN Knowledge Transfer Fund



Opportunités de financement pour le personnel CERN

CERN Knowledge Transfer Fund

- 44 projets financés depuis 2011
- 15-220 kCHF financement reçu par projet

CERN Medical Applications Budget

- 26 projets financés depuis 2014
- 75 kCHF reçu en moyenne par projet

“Faire le lien entre la recherche et l’industrie, pour le bénéfice de la société.”

KNOWLEDGE TRANSFER SEMINARS on industry 4.0

BIG : DATA : TRUST

New Ideas for Secure Identity Management inspired by Quantum Mechanics

Manfred Paeschke
Chief Visionary Officer, Bundesdruckerei GmbH

21st January 16:00
room 3-R-002

<https://indico.cern.ch/e/bigdatatrust>

KNOWLEDGE TRANSFER SEMINARS on entrepreneurship

THE JOURNEY OF A SERIAL ENTREPRENEUR

Patrick Delarive
Founder and President, Delarive Group

11th February 16:00,
Council Chamber
Join us for coffee at 15.30

<https://indico.cern.ch/e/entrepreneur>

KNOWLEDGE TRANSFER SEMINARS on medical applications

Light and matter at the nanoscale: new technological opportunities for medical imaging

Stefan Enoch

KNOWLEDGE TRANSFER SEMINARS on innovation

PHYSIQUE ET MÉDECINE : La théranostique actuelle et du futur

Conférence publique MEDICIS-Promed

ing the interplay growth
entre la science, la technologie

KNOWLEDGE TRANSFER SEMINARS on medical applications

Séminaires transfert de connaissances sur les applications médicales

Translational imaging mass spectrometry: From CERN to the surgeon

Imagerie par spectrométrie de masse : du CERN au chirurgien

Prof. Ron Heeren
Director M4I
Maastricht University

29th May 11:00 Council Chamber
Join us for coffee at 10:30

<https://indico.cern.ch/e/massspec>

KNOWLEDGE TRANSFER SEMINARS on cultural heritage

Séminaires transfert de connaissances sur la préservation culturelle

Smart*Light: A table-top synchrotron for the investigation of art objects

*Smart*Light : Un synchrotron de table pour étudier les oeuvres d'art*

Prof. Joris Dik
Delft University of Technology

29th June 14:30 Main Auditorium
Join us for coffee at 14:00

<https://indico.cern.ch/e/smartlight>

MAIN AUDITORIUM

KNOWLEDGE TRANSFER SEMINARS on aerospace applications

CERN colloquium

JUICE SPACE MISSION TO JUPITER

Giuseppe Sarri
European Space Agency
Project Manager of the JUICE mission

26th April 2018
16:00
Main Auditorium
www.cern.ch/juice2018

KNOWLEDGE TRANSFER SEMINARS on medical applications

GaToroid: A Novel Superconducting Compact and Lightweight Gantry for Hadron Therapy

Luca Bottura

kt.cern/events

CERN Knowledge Transfer Accelerating Innovation
EN Engineering Department

CERN MAIN AUDITORIUM

CERN Knowledge Transfer Accelerating Innovation

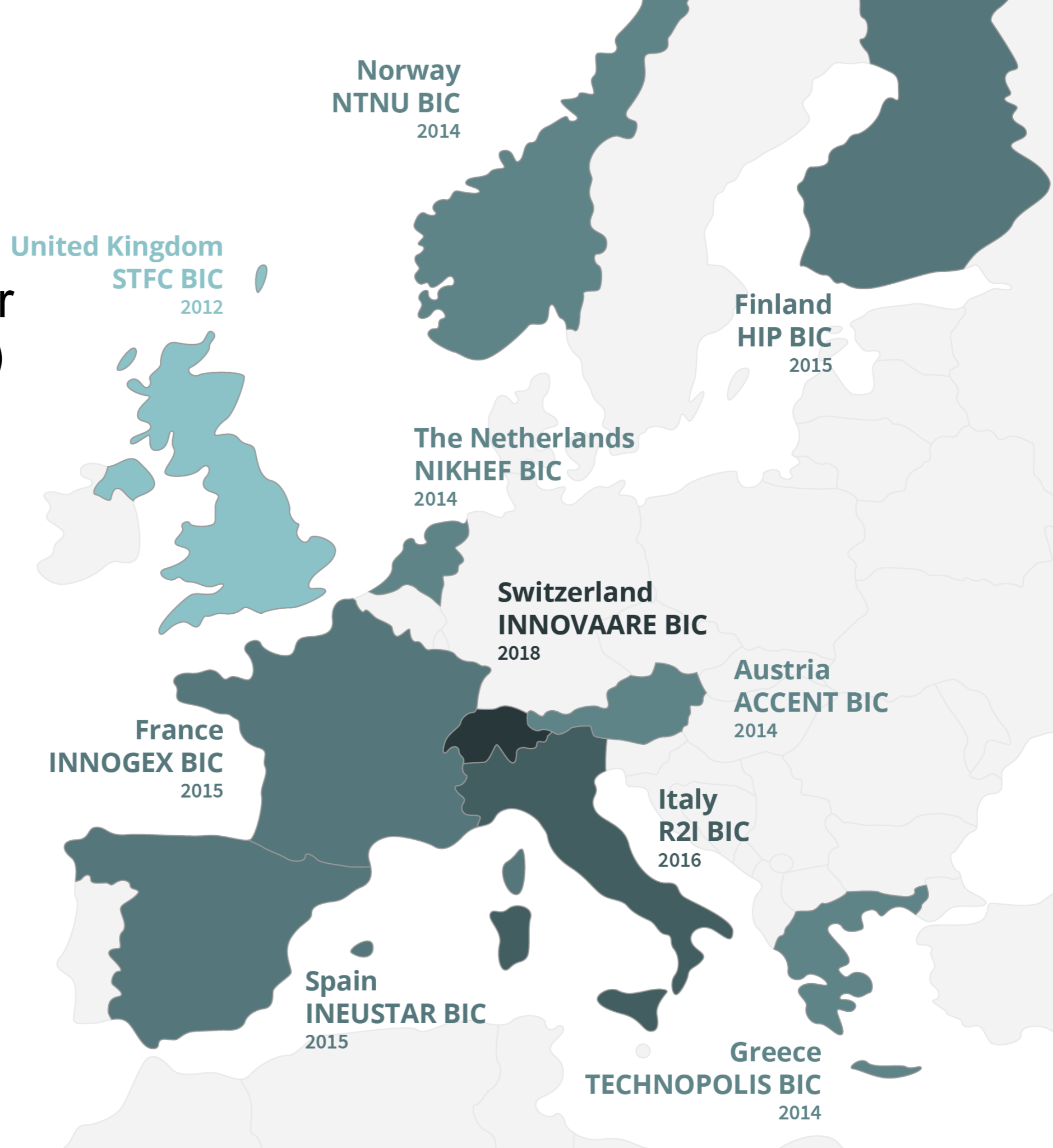
medipix collaboration

COUNCIL CHAMBER

<https://indico.cern.ch/e/gantry>

CERN BICs

CERN réseau de centres d'incubateur d'entreprises (BICs) dans 10 Pays Membres



**Start-ups & SMEs
Using CERN
Technology**

Digital Sciences:

Data Intelligence
Colnec Health
Fossil Ion Technology
Rhizom
Safetytn

Digital Sciences:

Digital Libraries
TIND

Digital Sciences:

Simulation Software
FEAC Engineering
Innocryst
Neuschnee

Sensors

Advacam OY
Advacam SRO
Amsterdam Scientific Instruments
Quantum Detectors
MARS Bioimaging
Terabee
X-Ray Imaging Europe
X-Spectrum

**Power Electronics,
Optoelectronics
& Microelectronics**

A2O Innovation Solutions
Camstech
Picotech

Robotics

Ross Robotics

Industrial Controls

Securaxis

Radio Frequency Technology

ADAM

**High & Ultra-High
Vacuum Systems**

2D Heat

Cooling & Ventilation

Oxford Nanosystems

**Particle Acceleration
& Control**

Artemis Analytical
D-Beam

**Manufacturing
& Mechanical Processes**

Croft Additive Manufacturing
Ijspeert Innovative Technologies



Plus d'informations à
kt.cern

kt@cern.ch

