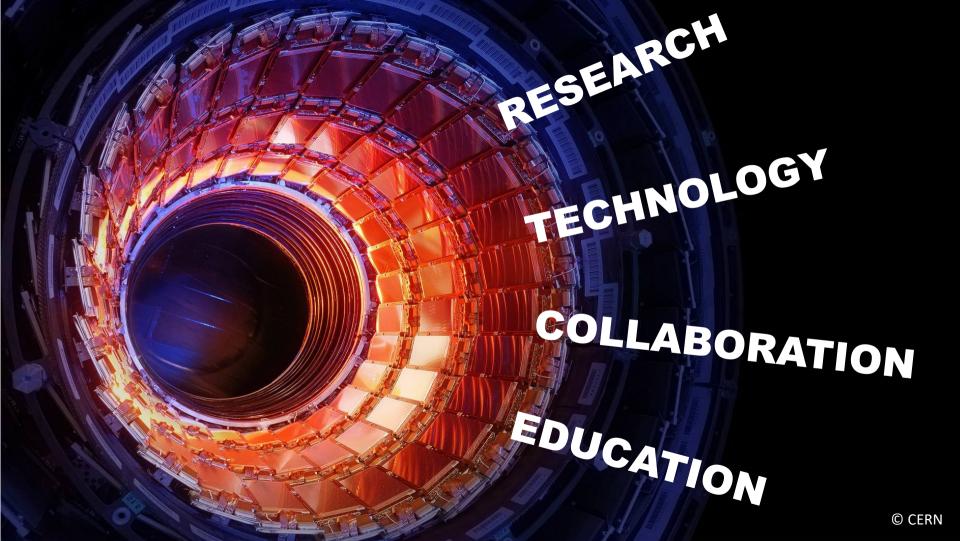
Accelerating Medical Innovation

Swedish Teacher Programme

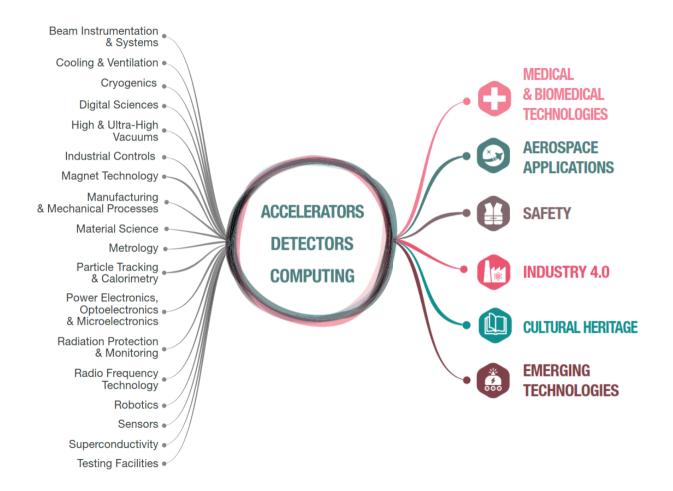
01 November 2018



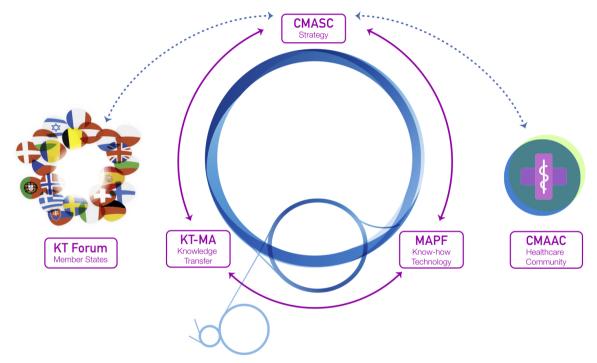




The mission of CERN's Knowledge **Transfer Group is to maximise the** dissemination and impact of CERN technology and know-how in society, in particular through industry in the member states.



Strategy and Framework Applicable to Knowledge Transfer by CERN for the Benefit of Medical Applications



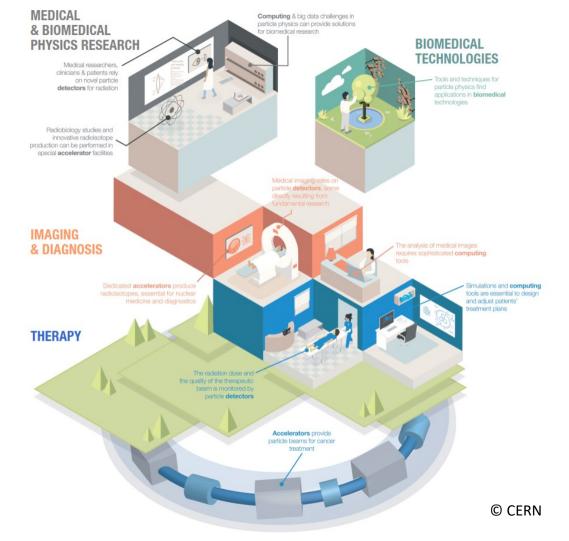
KT-MA = CERN Knowledge Transfer Group, Medical Applications Section

MAPF = Medical Applications Project Forum

CMASC = CERN Medical Applications Steering Committee

CMAAC = CERN Medical Applications Advisory Committee

Medical & Biomedical Technologies





Classification of isotopes for Medicine:

- 1. Established isotopes

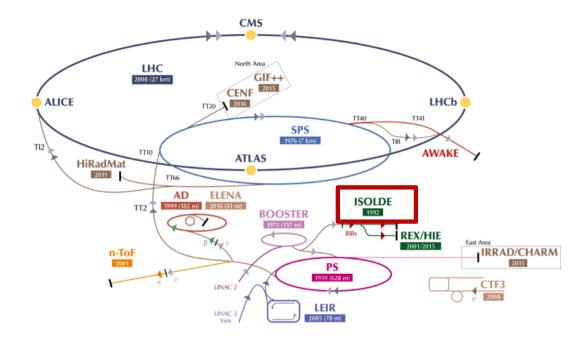
 99mTc, ¹⁸F, ^{123,125,131}I, ¹¹¹In, ⁹⁰Y

 > Industrial suppliers
- 2. Emerging isotopes ⁶⁸Ga, ⁸²Rb, ⁸⁹Zr, ¹⁷⁷Lu, ¹⁸⁸Re > Small innovative suppliers
- 3. R&D isotopes

 44,47Sc, ^{64,67}Cu, ¹³⁴Ce, ¹⁴⁰Nd, ^{149, 152, 155, 161}Tb, ¹⁶

 211At, ^{212, 213}Bi, ²²³Ra, ²²⁵Ac,...

 > Research labs



MEDICIS

Radio-isotope production at CERN

Classification of isotopes for Medicine:

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> Research labs

MEDICIS

Radio-isotope production at CERN







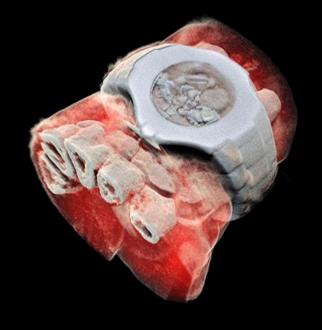


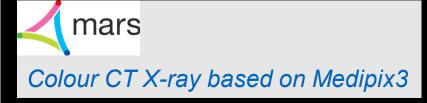
Crystal Clear Collaboration

From calorimetry to PET







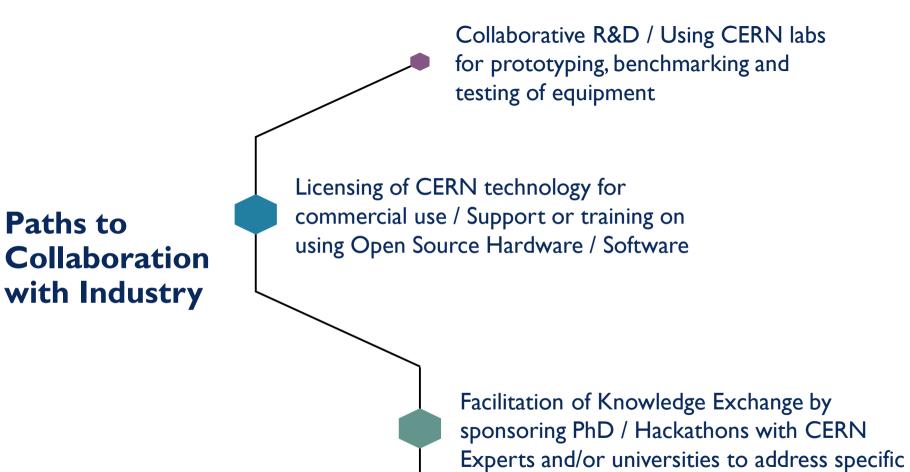


Cultural Heritage

InsightART

start-up with Medipix X-ray eyes for cultural heritage



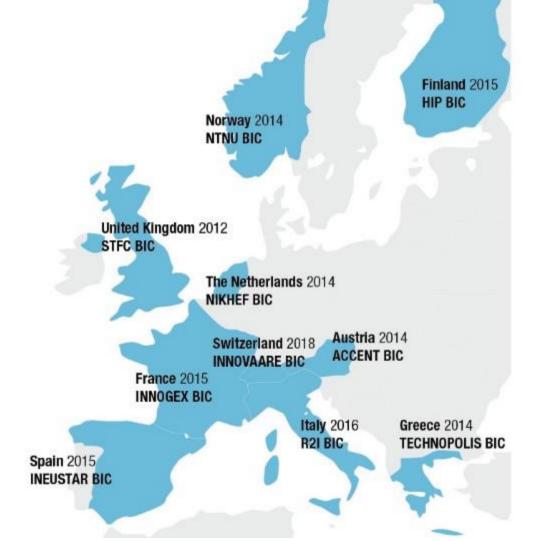


issue

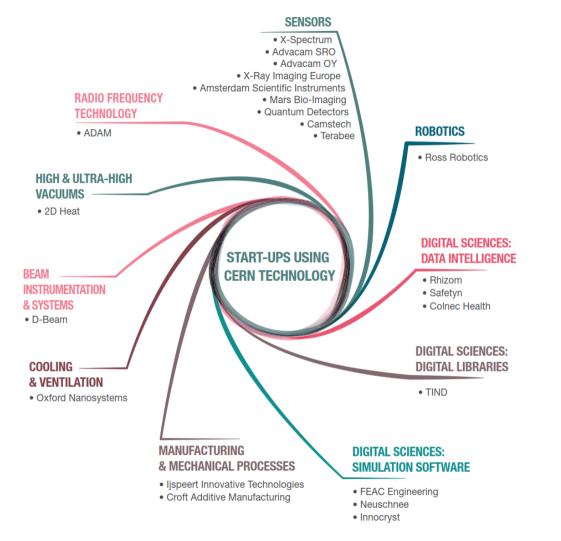
Paths to



Building a culture of entrepreneurship



Ten Established Business Incubation Centres in the Member States





more information: kt.cern