




Past successes of co-innovation

Knowledge Transfer at CERN

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CERN Knowledge Transfer group



The Organization shall provide for collaboration among
European States in nuclear research of a
pure scientific and fundamental character...

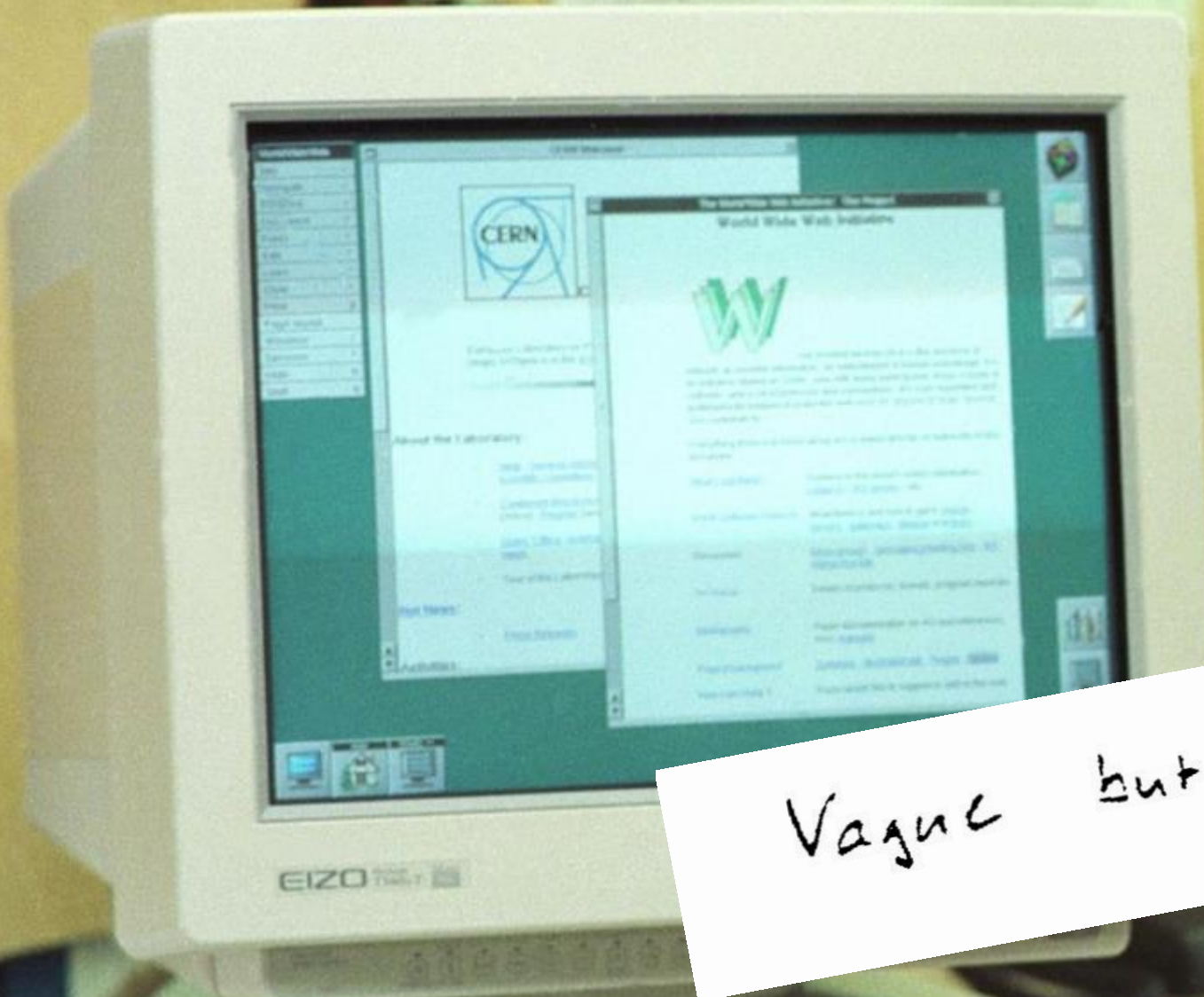
...and the results of its experimental and theoretical work
shall be published or otherwise made generally available.

*Convention for the Establishment of a European Organization for Nuclear Research
Paris, 1st July, 1953, as amended on 17 January 1971.
From Article II: "Purposes".*



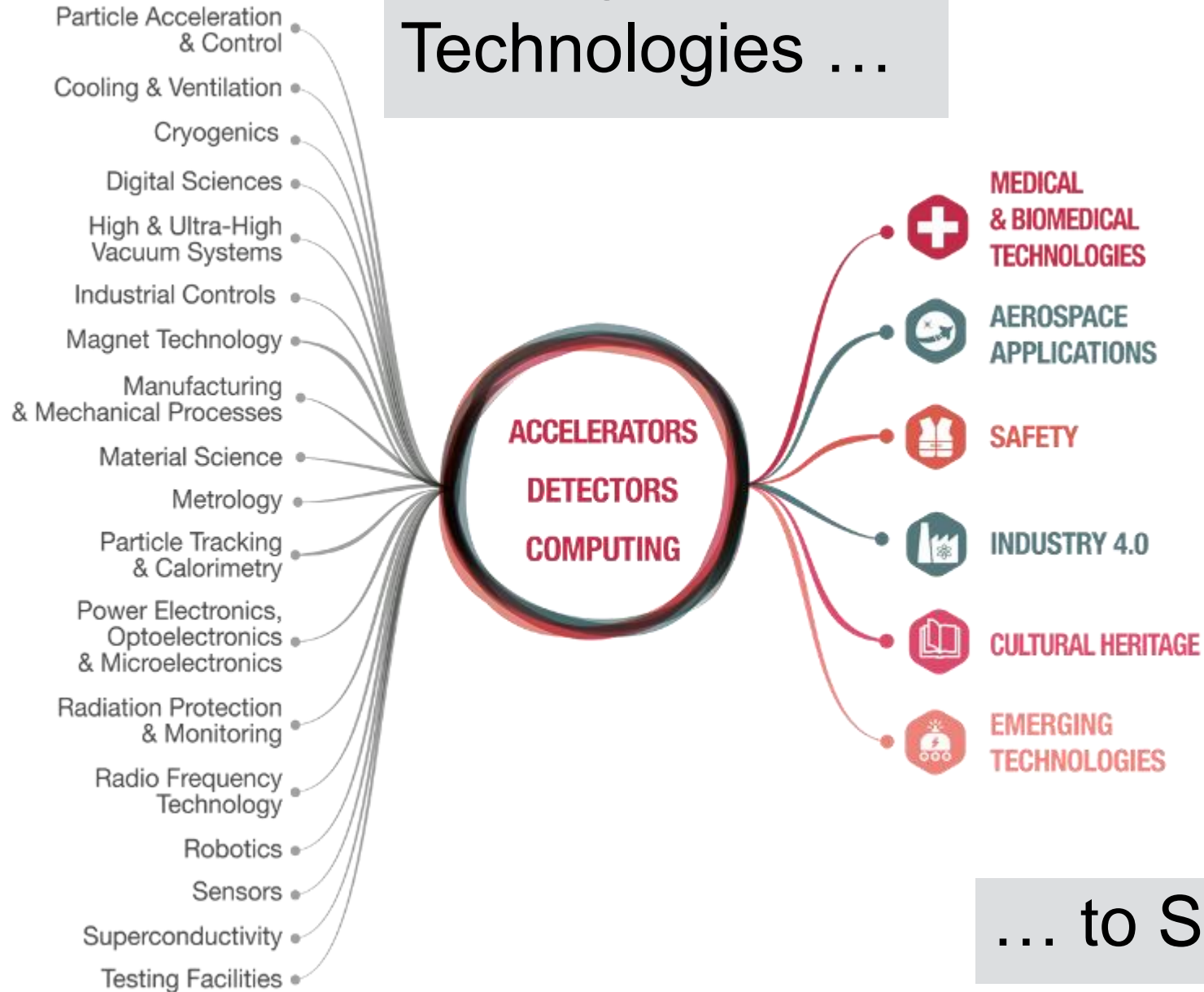
The **mission** of the CERN
Knowledge Transfer group is to
maximise the global positive
impact of CERN on **society**

The World Wide Web - born at CERN



Vague but exciting ...

From CERN Technologies ...



... to Society

Spectral imaging - Medipix chip

The New York Times

TRILOBITES

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

A new medical scanner, derived from technology used by particle physics researchers at CERN, "is like the upgrade from black-and-white film to color," one of its developers said.

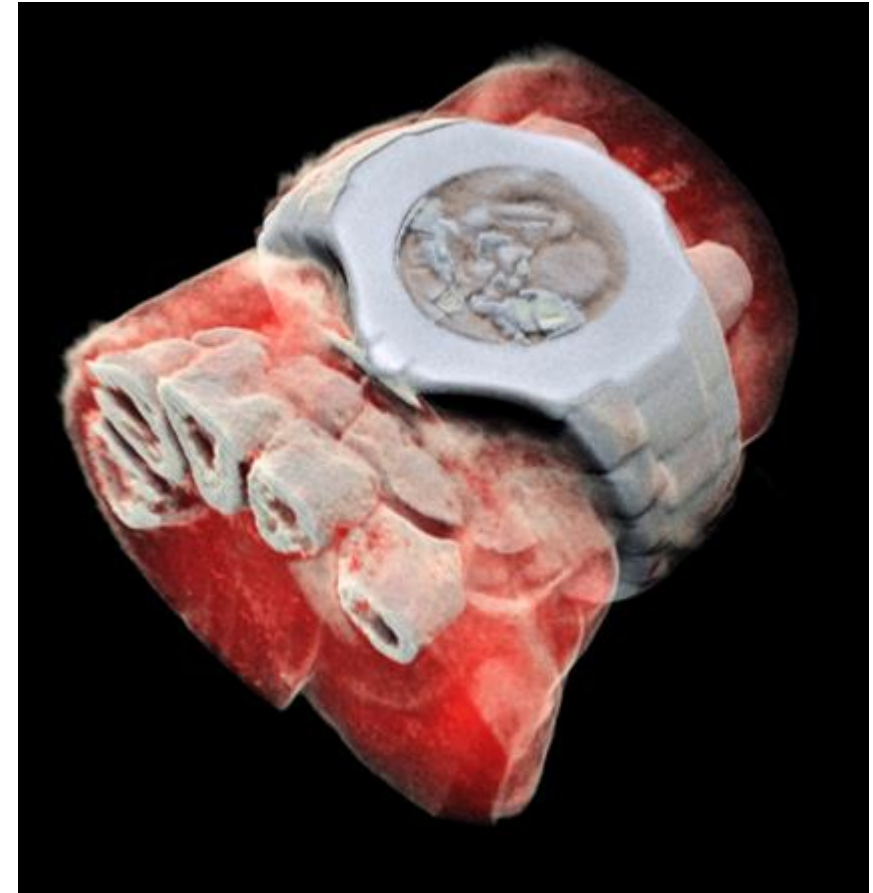



Image: A 3D image of a wrist with a watch showing part of the finger bones in white and soft tissue in red. (Credit: MARS Bioimaging Ltd.)

From the LHC to
space - Timepix chip



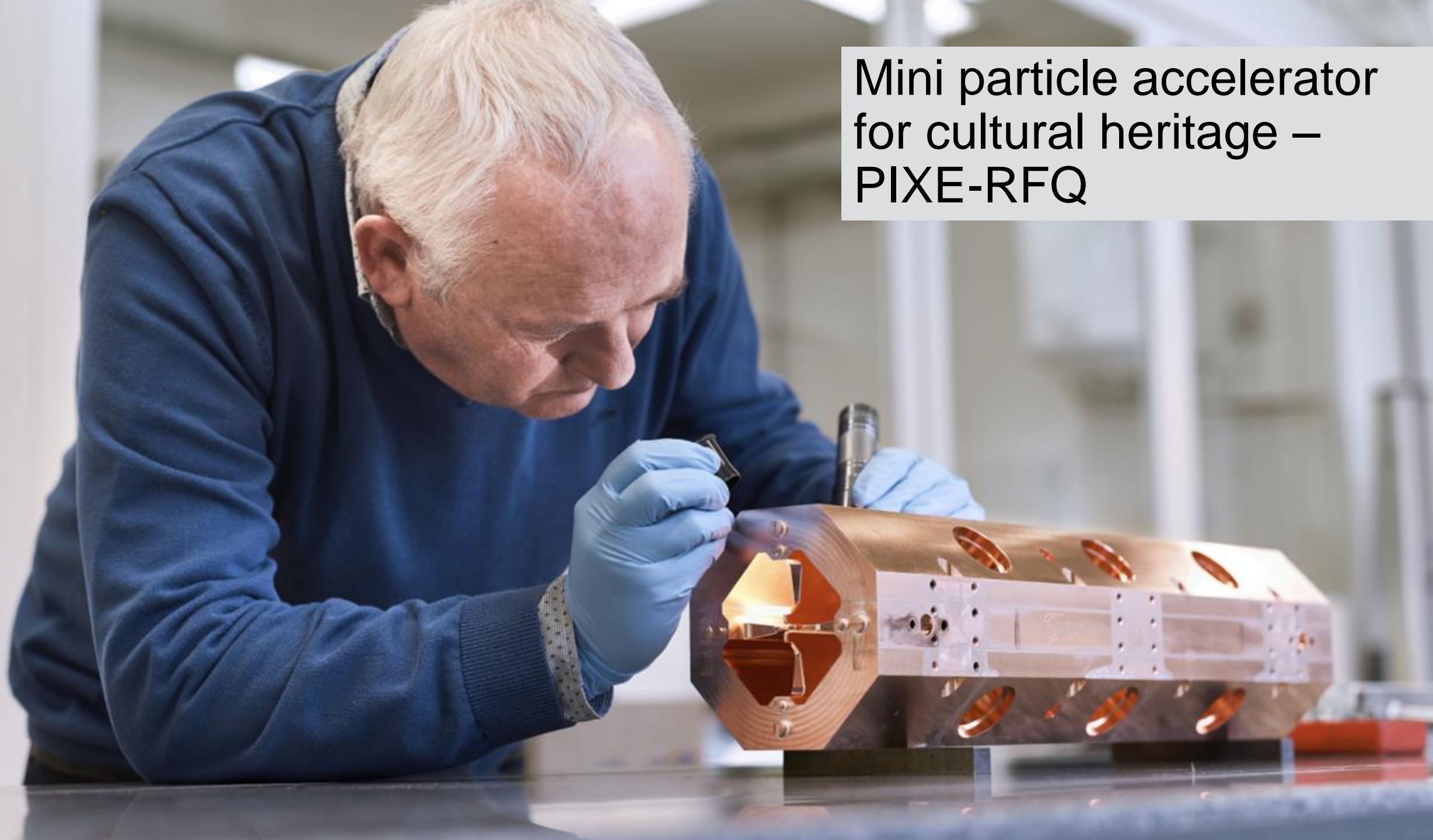
(Image credit: The International Space Station ISS)



X-ray eyes for
cultural heritage –
Medipix chip

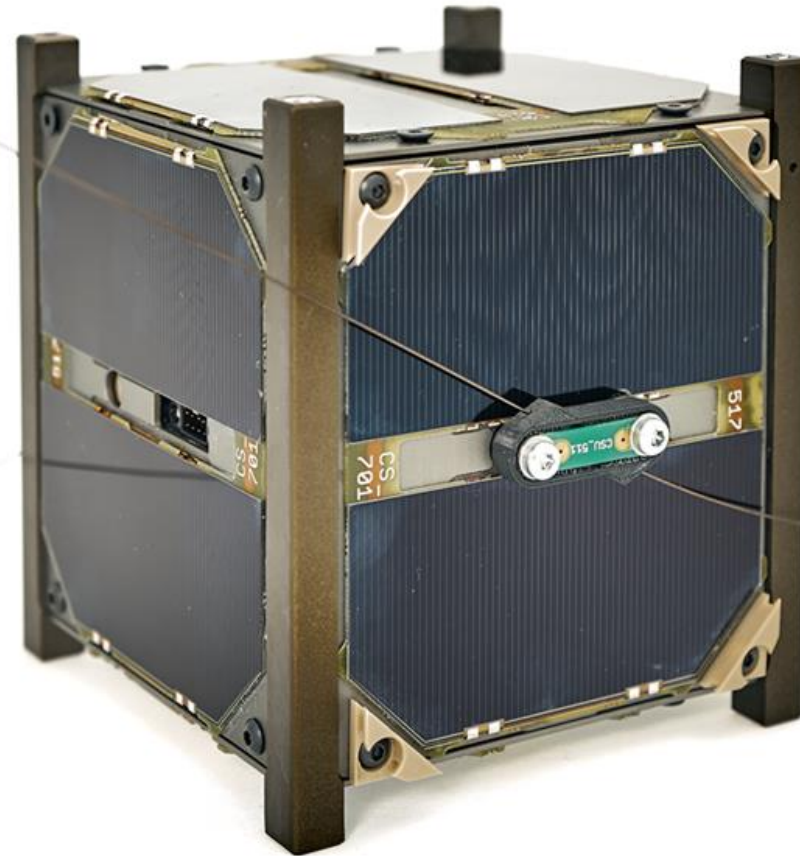
Image: Slotting a
painting into the X-ray
scanner, which will
analyse it at a high
resolution.
(Credit: InsightArt s.r.o.)

Mini particle accelerator
for cultural heritage –
PIXE-RFQ

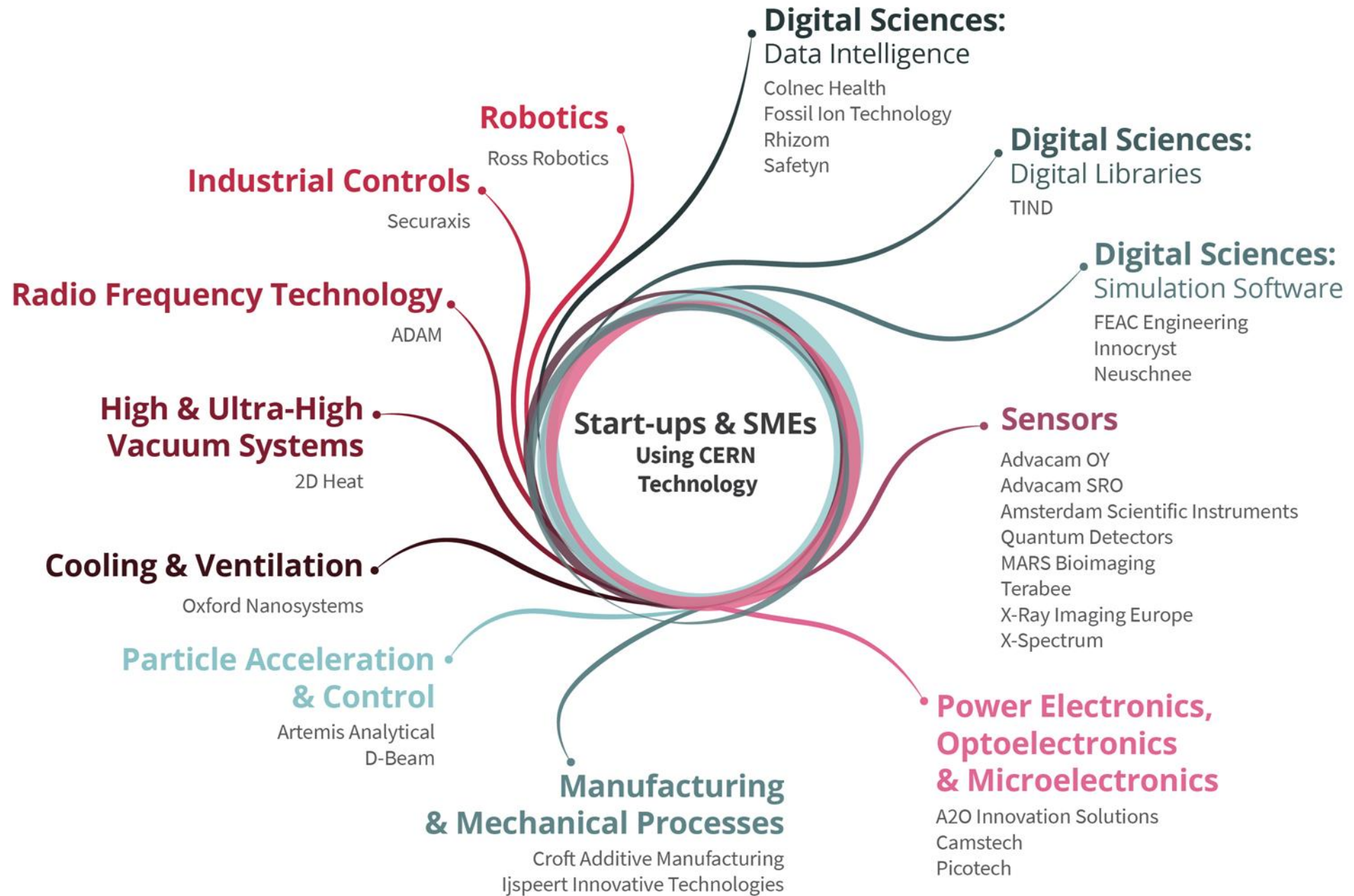




Machine learning for improved
vaccine production
CERN - Sanofi



First full satellite CELESTA
tested at CHARM



Funding Opportunities for CERN Projects

CERN Knowledge Transfer Fund
CERN Medical Applications Budget

Collaborations and Networks

Knowledge transfer networks
Strengthening links with Member States (KT Forum)
Relations with International Organisations
Knowledge transfer in EC co-funded projects

Open Source

Open Source Software
Open Hardware Licence

Entrepreneurship

Start-ups & Spin-offs
Entrepreneurship Meet-Ups
Business Incubation Centres
Entrepreneurship Programmes

Support for CERN Personnel

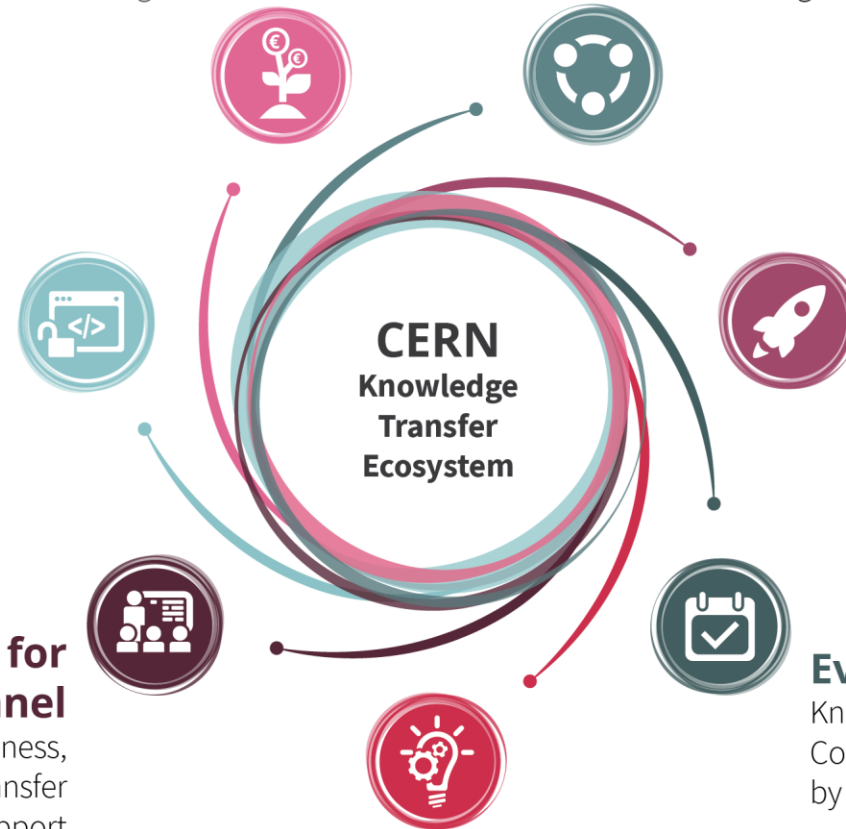
Formal and practical training in business, entrepreneurship & knowledge transfer
Legal, business & intellectual property support

Events

Knowledge Transfer Seminars
Conferences with a significant contribution by the Knowledge Transfer group

Intellectual Property Management

R&D collaborations
Patent portfolio
Licence, service & consultancy agreements





_Contact

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