

Knowledge Transfer at CERN

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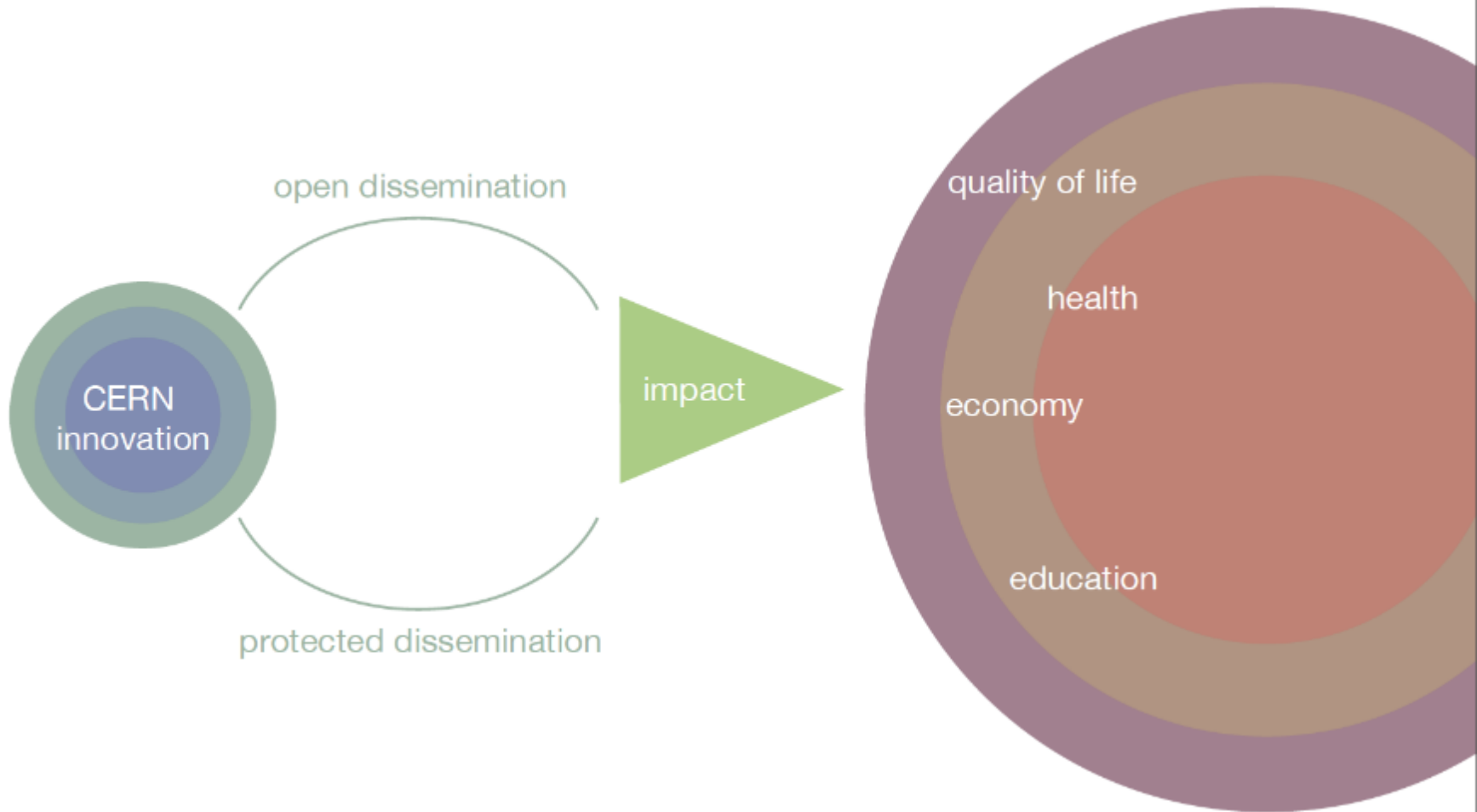
Knowledge Transfer Mission

Maximize the technological and knowledge return to the member states' industry and society

Promote CERN's image as a center of excellence for technology



Impact-driven Innovation Approach



Overview of IP Right's

Patent

Trade
Secret

Copyright

Design

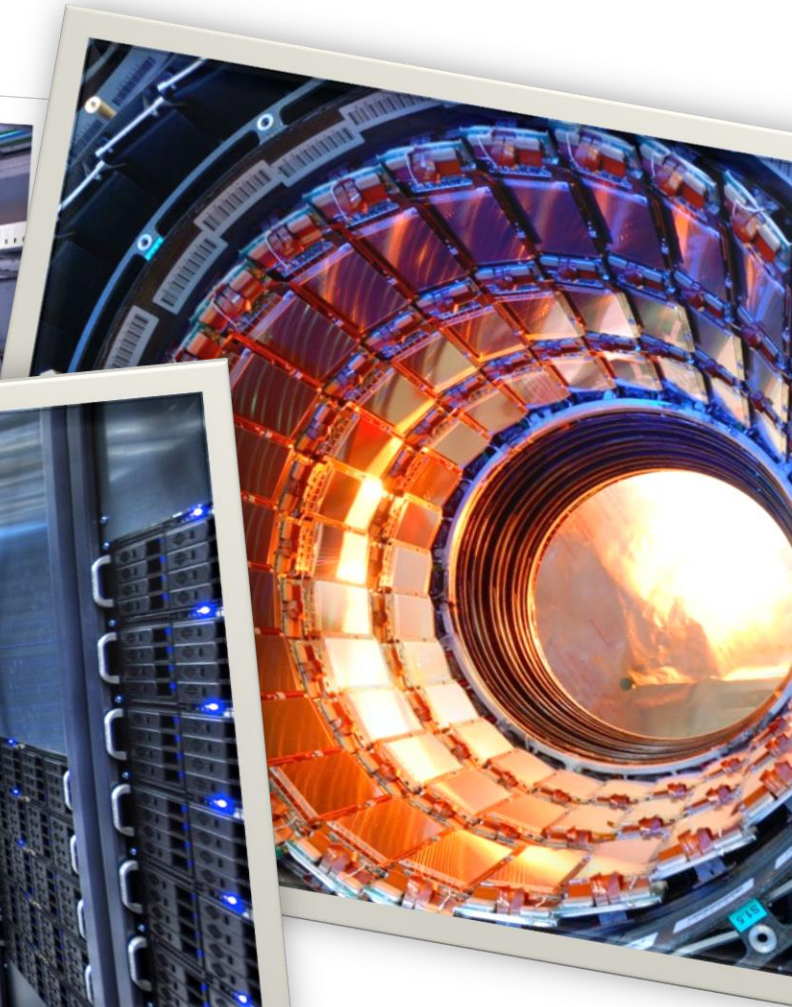
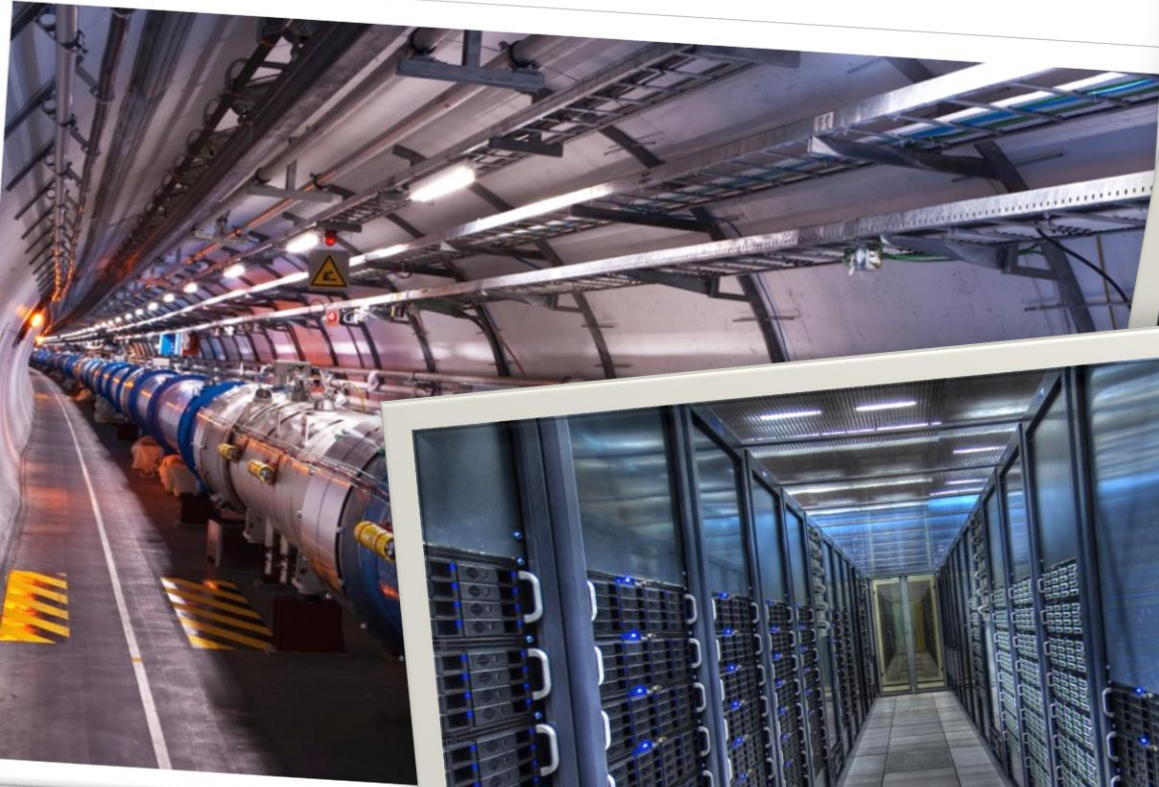
Trademark

Integrated
Circuit
Layouts

Geographical
Indication

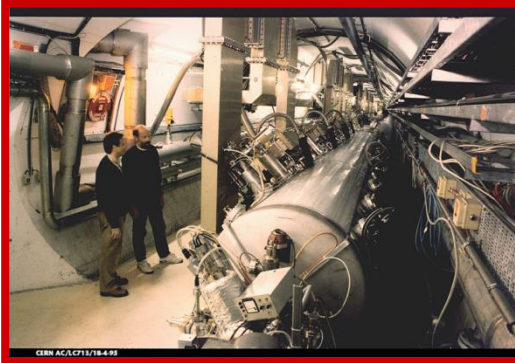
Plant Variety

Main Fields of Innovation

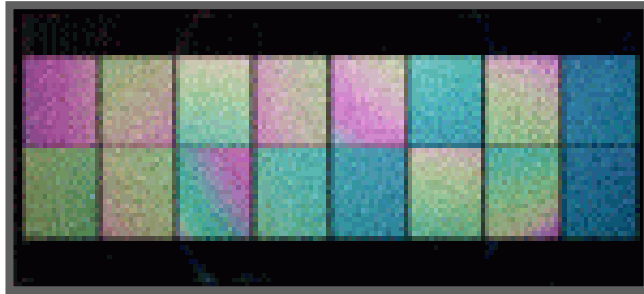
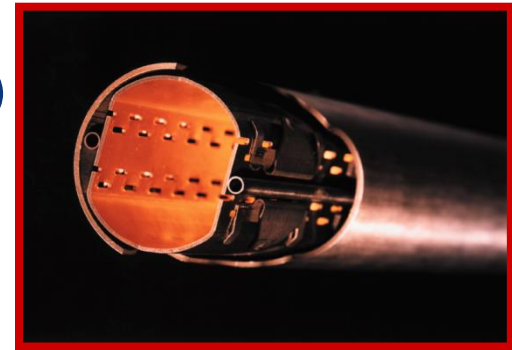


Core Competences

Super-conductivity
(13kA,
7MJoules)



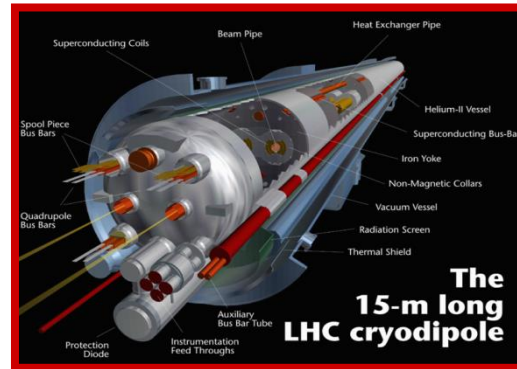
Vacuum
(10^{-12} Torr)



Very high
performance
detectors and
electronics

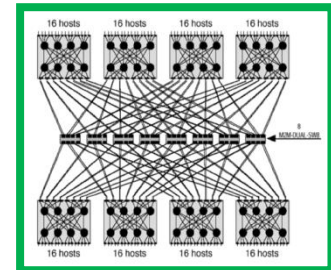


Cryogenics (1.9 K)

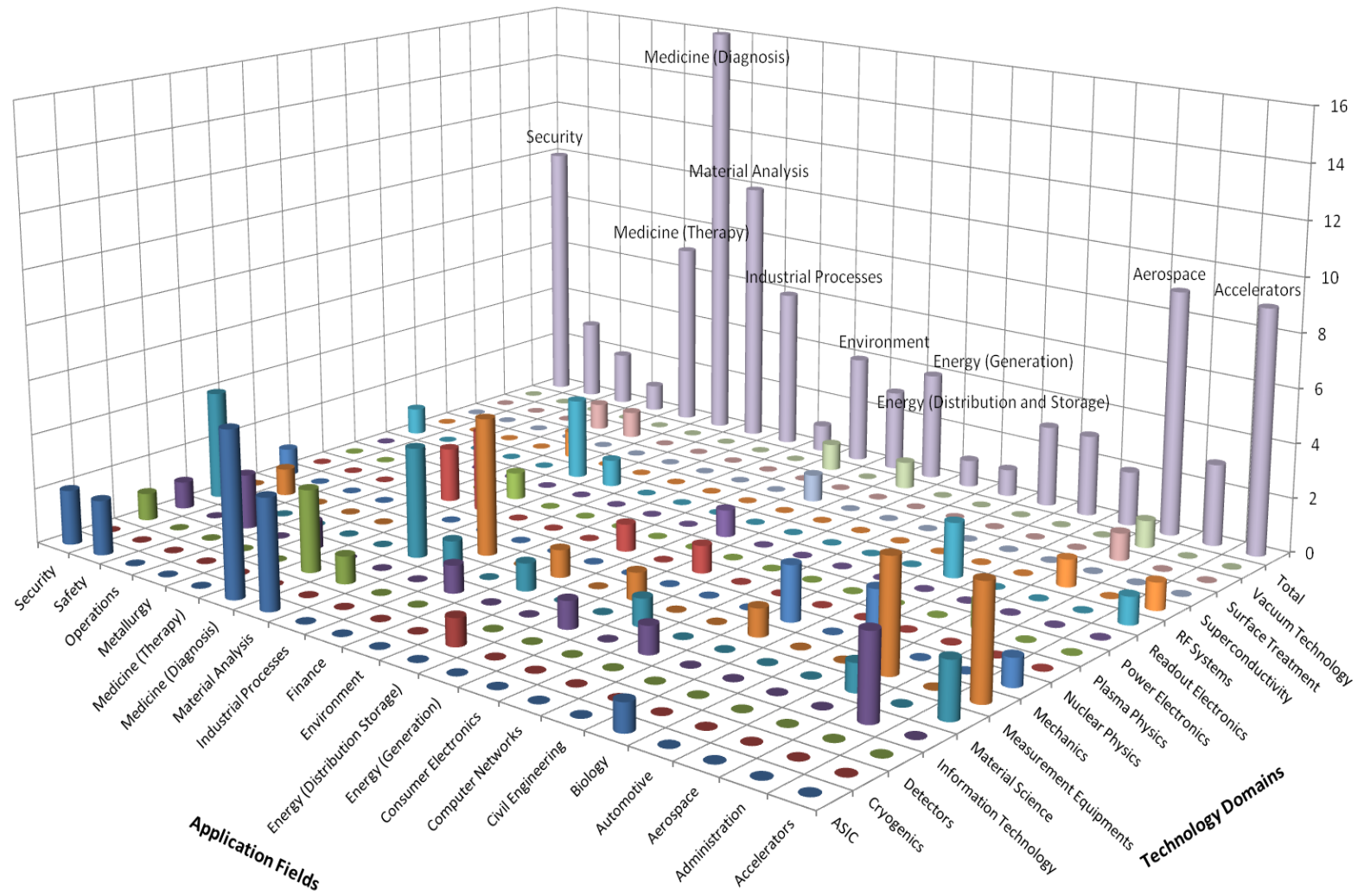


Magnets
(10 T)

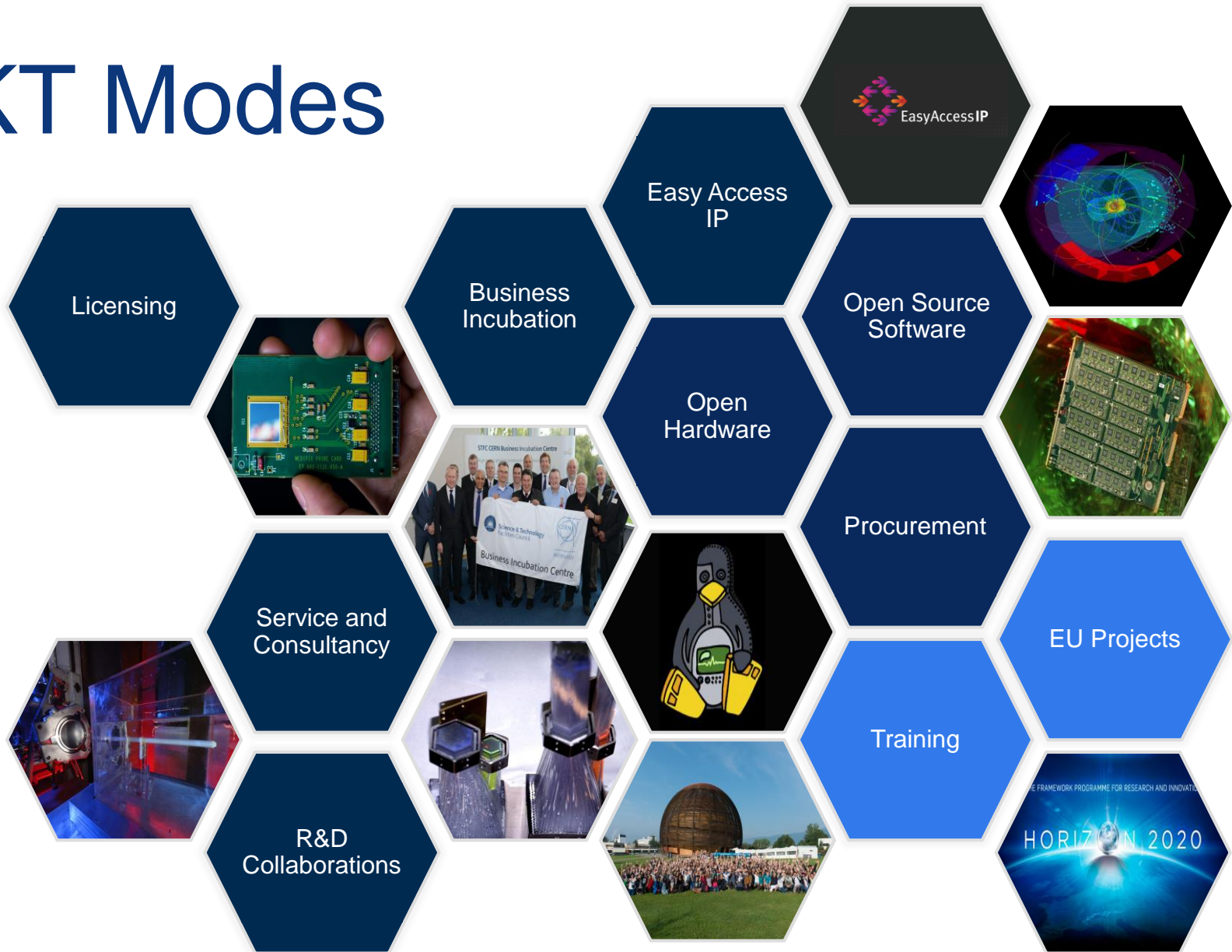
Data
processing



Technology Portfolio



KT Modes



The KT Fund

Bridging the *valley of death*

Aims to support and develop knowledge transfer activities at CERN

So far – 30 projects selected

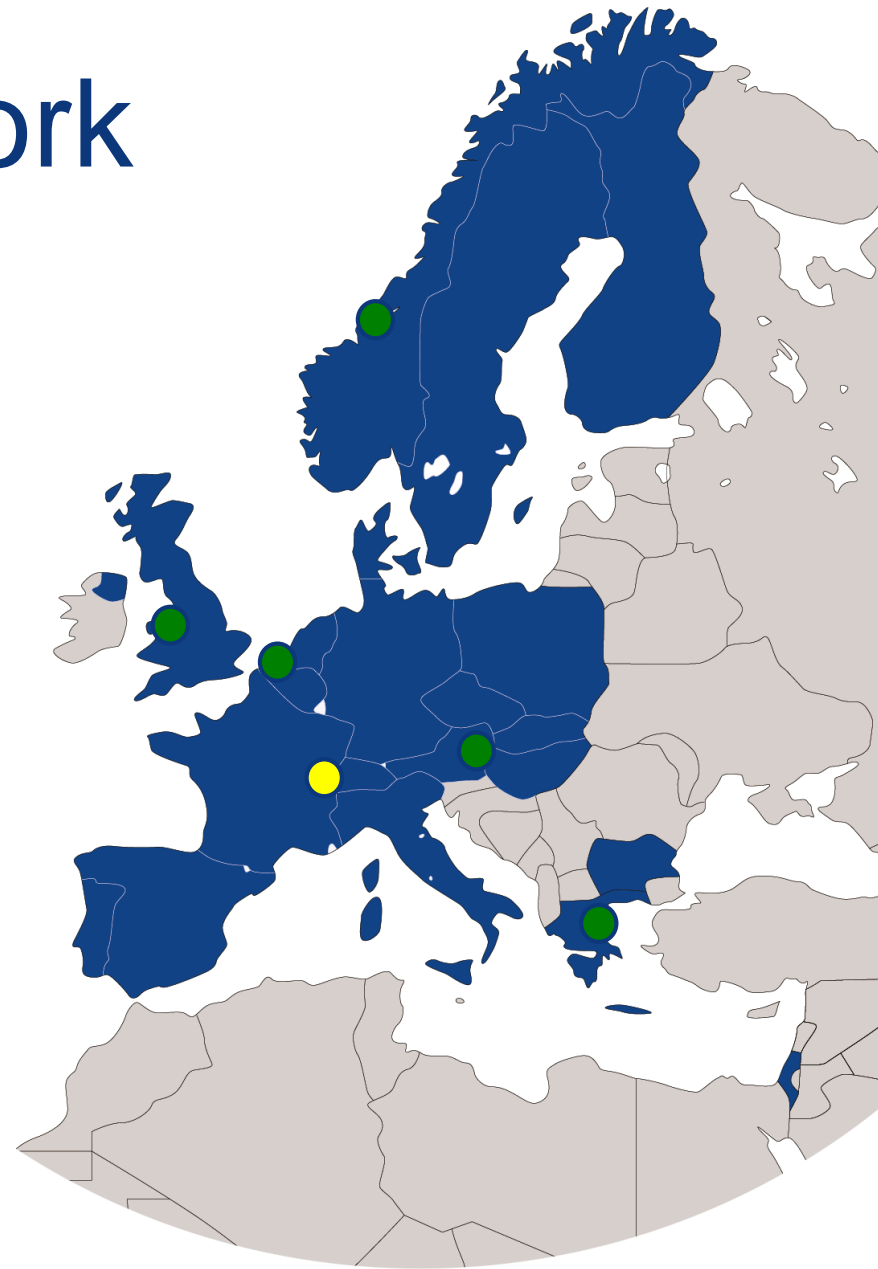
Total budget ~2M CHF



CERN BIC Network

Established incubators:

UK	STFC BIC
Netherlands	NIKHEF BIC
Norway	NTNU BIC
Greece	Technopolis BIC
Austria	Accent BIC
France	InoGEX BIC
Finland	Finnish BIC
Italy	R2I Network
Spain	Ineustar-Pioneers



Conclusions

Integral part of CERN's mission

CERN technologies have applications in several domains with high relevance to society.

Impact which delivers tangible benefits to mankind



Thank You!!



«Magic is not happening at CERN, magic is being explained at CERN»

Tom Hanks

