

Knowledge Transfer and Spin-Offs at CERN

Invenio User Group Meeting
October 16th 2015

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IP Dissemination Section Leader
Knowledge Transfer Group
CERN



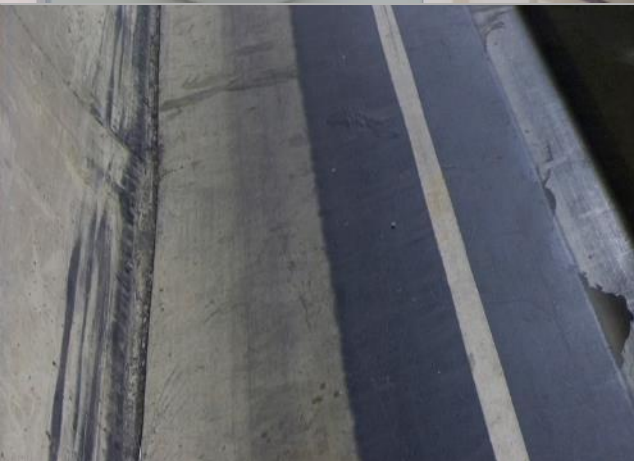
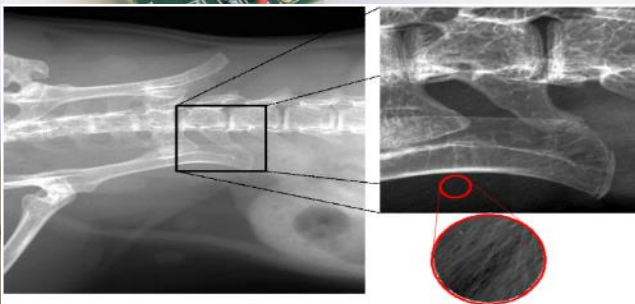
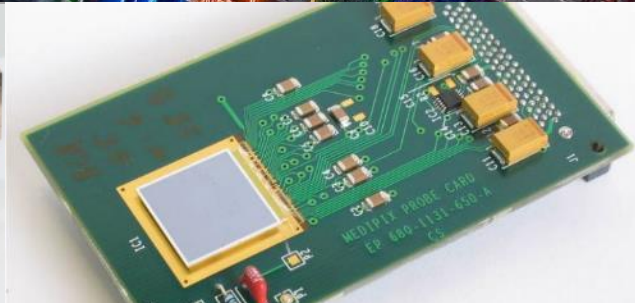
Accelerators



Detectors



Computing



KT Mission

Maximize the technological and knowledge return to Society, specially in the Member States

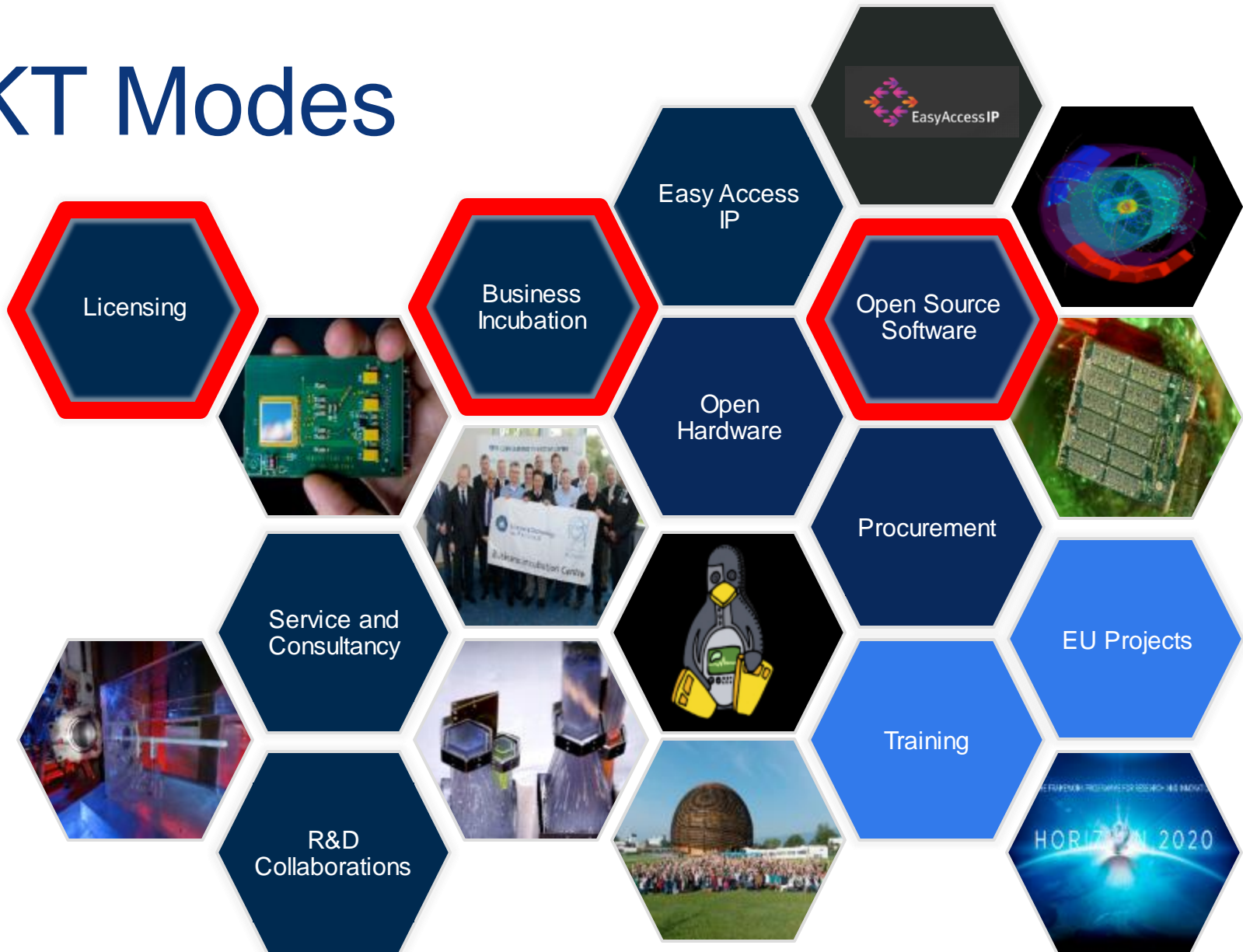
Promote CERN's image as a center of excellence for technology



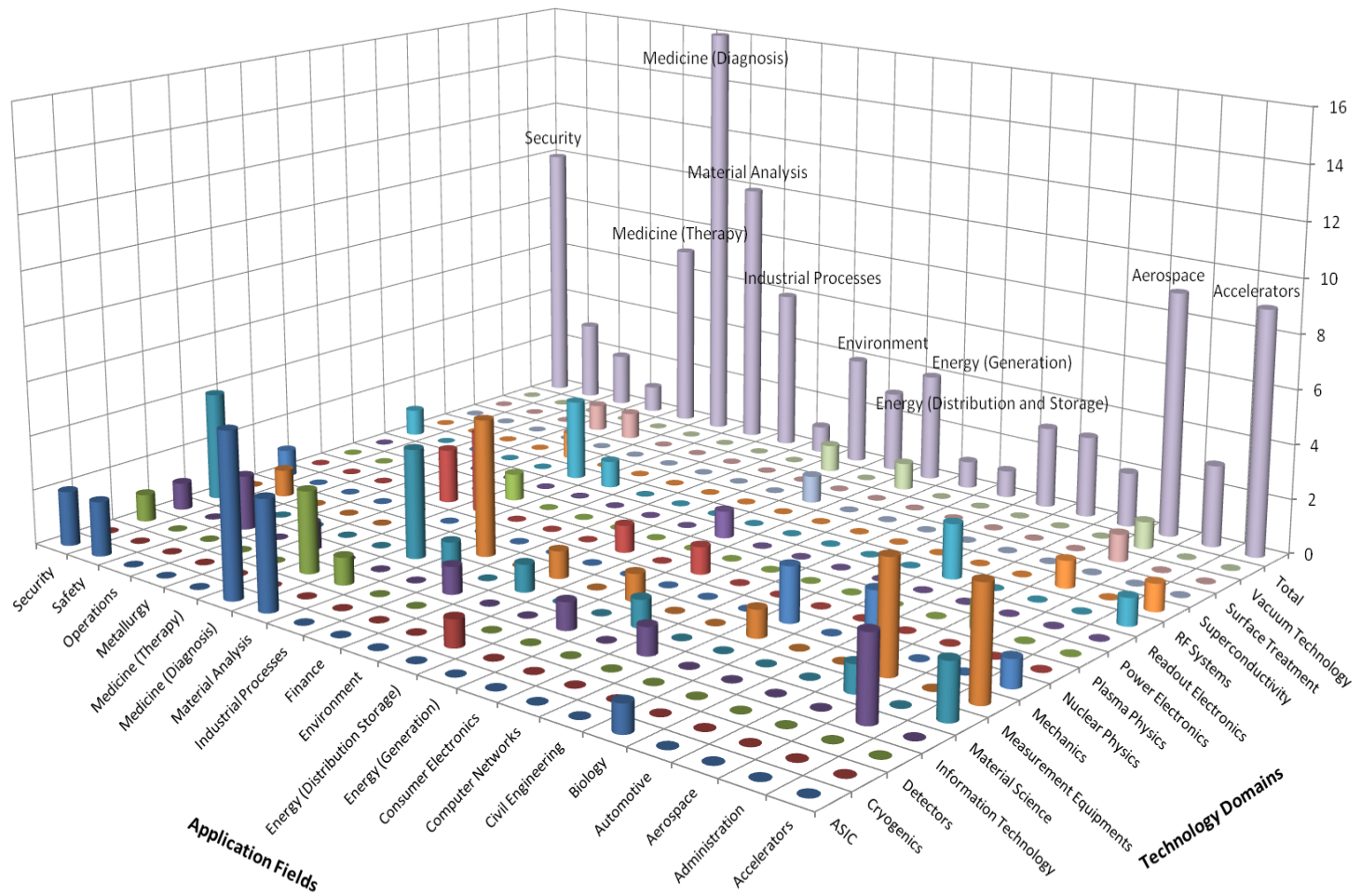
Key words: dissemination and impact!



KT Modes



CERN's Technology Portfolio



From high vacuum... to solar energy



CERN Technology

Non-Evaporable Getter Coating

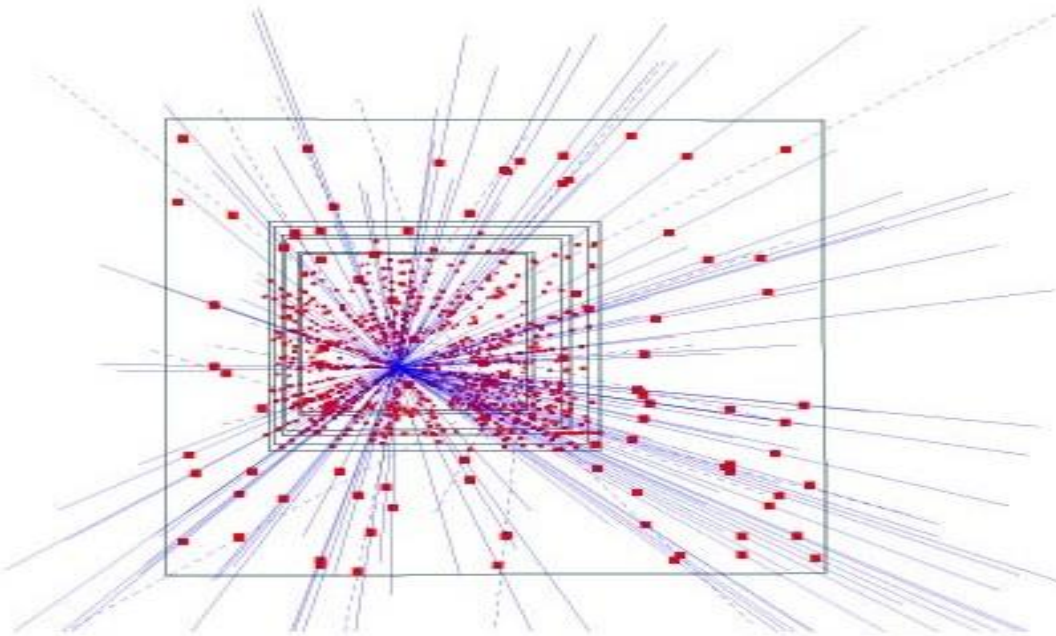


Industry (spin-off):

High Efficiency Solar Collectors



From silicon pixel detectors to X-Ray diffractometers



CERN Technology

Hybrid silicon pixel detector

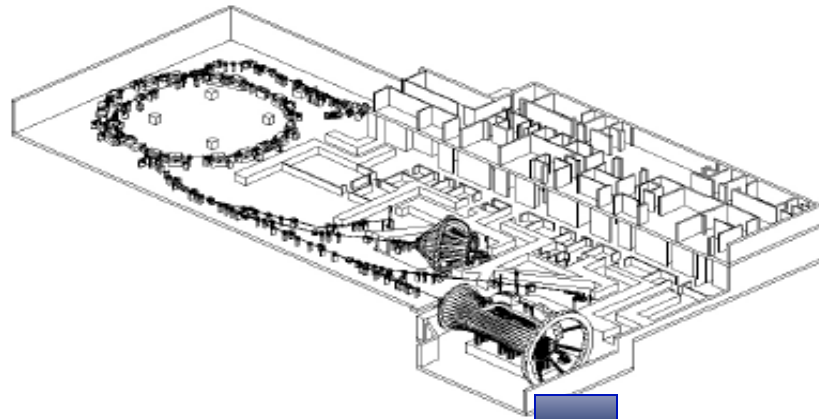


Industry (license):

X-Ray Diffractometer



PIMMS Study 2000
CERN in collaboration with
INFN and TERA
has led to:





ICTR-PHE

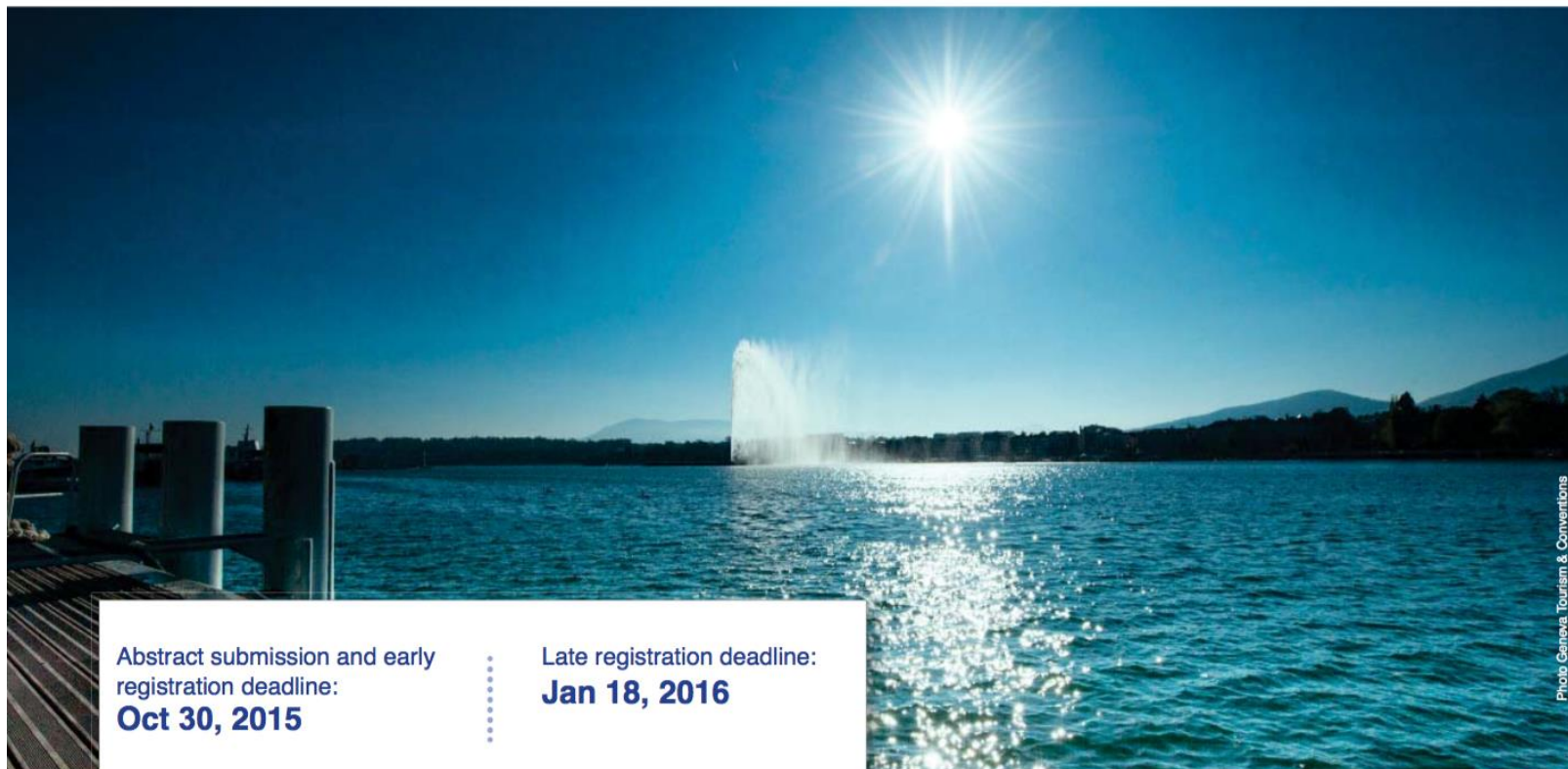


2016



INTERNATIONAL CONFERENCE ON TRANSLATIONAL RESEARCH IN RADIATION ONCOLOGY | PHYSICS FOR HEALTH IN EUROPE

February 15 – 19, 2016 CICG, Geneva, Switzerland



Abstract submission and early
registration deadline:
Oct 30, 2015

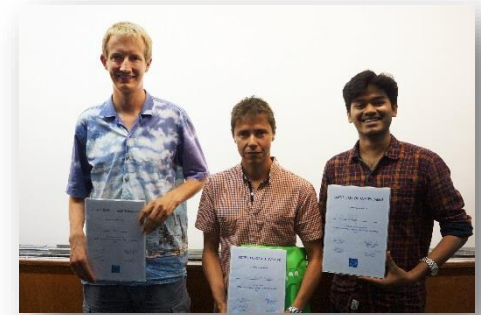
Late registration deadline:
Jan 18, 2016

Photo Geneva Tourism & Conventions



Entrepreneurship & Start-up creation

- Weekly entrepreneurship meeting (innovation, IP, funding, ...)
- Pitching Competition
- NTNU Screening Week
- Support to entrepreneurial initiatives:
 - THE Port Hackathon
 - Challenge Based Innovation



Business Incubator Centres (BIC) of CERN Technologies

Established incubators:

UK	STFC-CERN BIC
Netherlands	NIKHEF-CERN BIC
Norway	NTNU-CERN BIC
Greece	Technopolis-CERN BIC
Austria	accent-CERN BIC
France	InnoGex
Finland	Finnish BIC of CERN Technologies





spin-off



technology



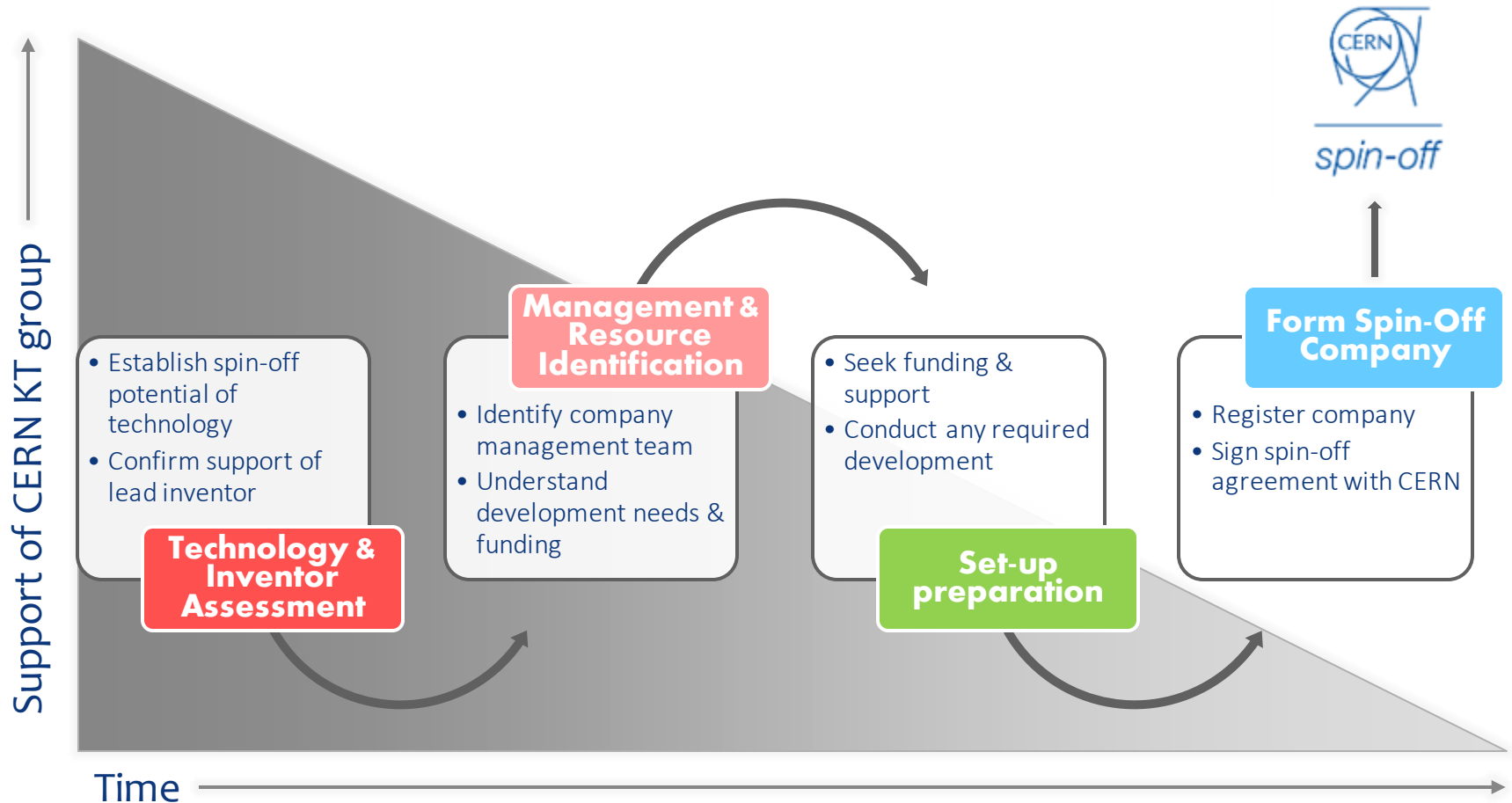
supplier









CERN in Society



The Process

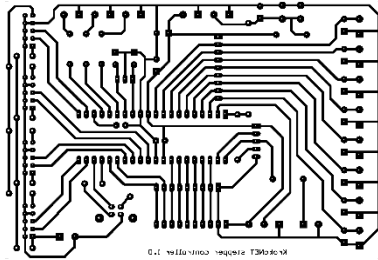


Open Source Software

Originating from CERN	Contributed to by CERN
  	  

And many more

Open Source Hardware and CERN Open Hardware Licence (OHL)

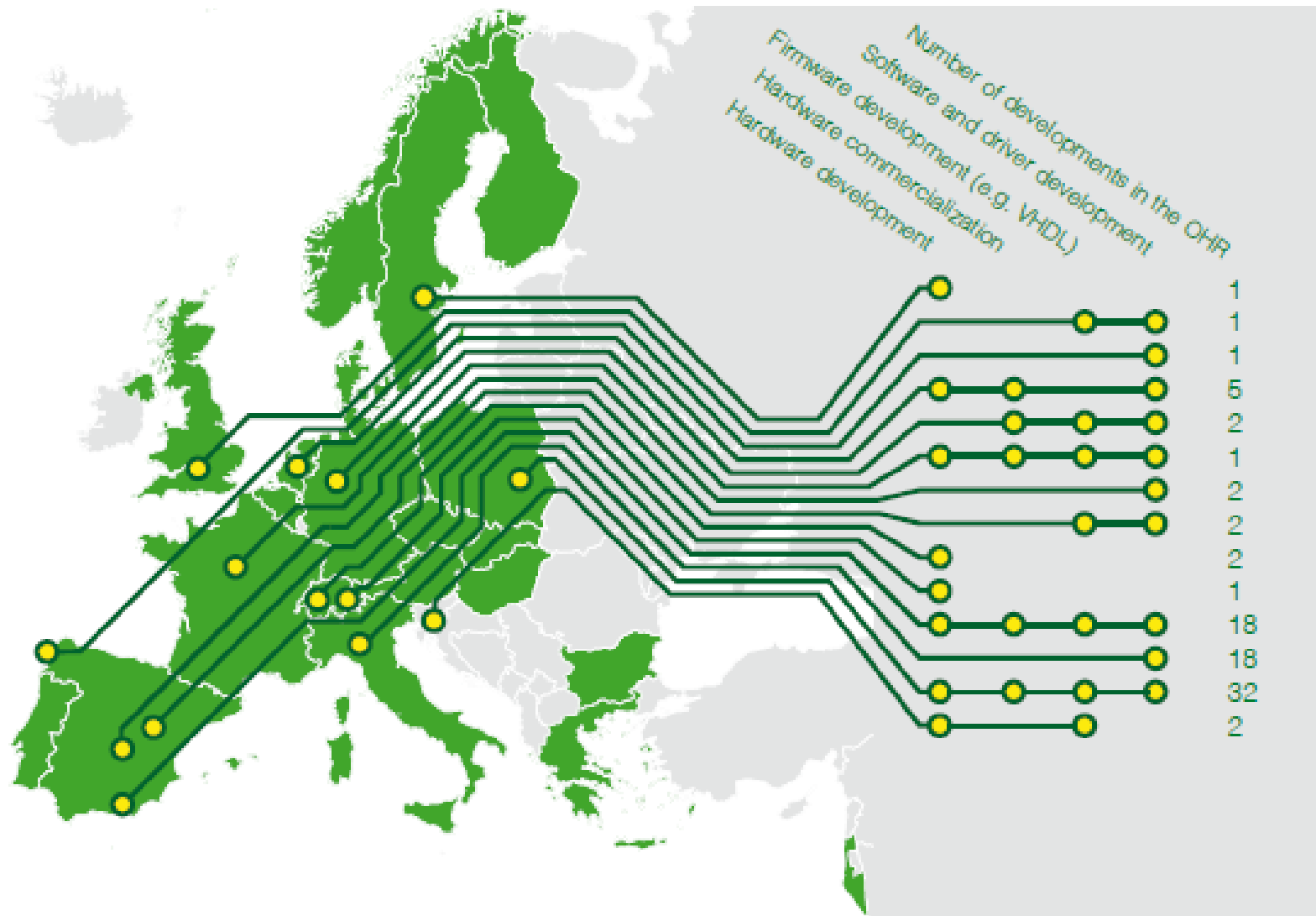


www.ohwr.org

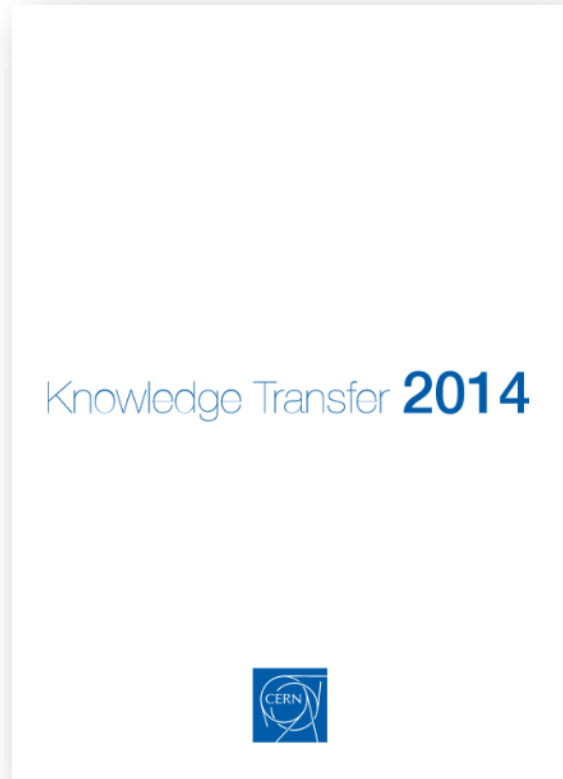
A legal framework to facilitate knowledge exchange across the electronic design community.

Governs the use, copying, modification and distribution of hardware design documentation, and the manufacture and distribution of products.

CERN OHL: it is making an impact!



Publications



cern.ch/kt



CERN Knowledge Transfer Group

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