CERN: An Innovation Hub

_Ranveig Strøm

Entrepreneurship Development Officer CERN Knowledge Transfer

Founded in 1954 "Science for Peace" Today: 22 Member states

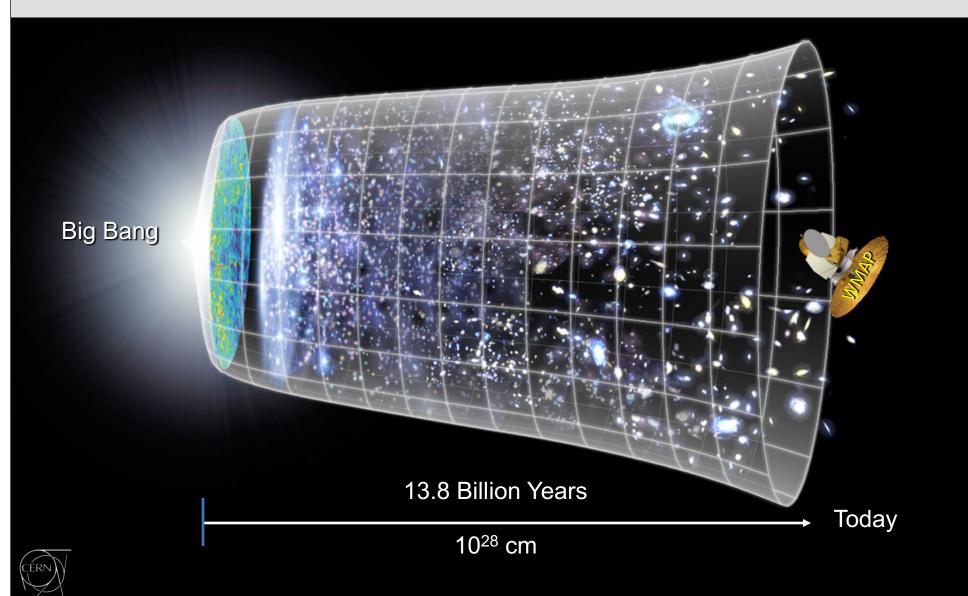


2500 staff 1800 other personnel 13000 scientific users

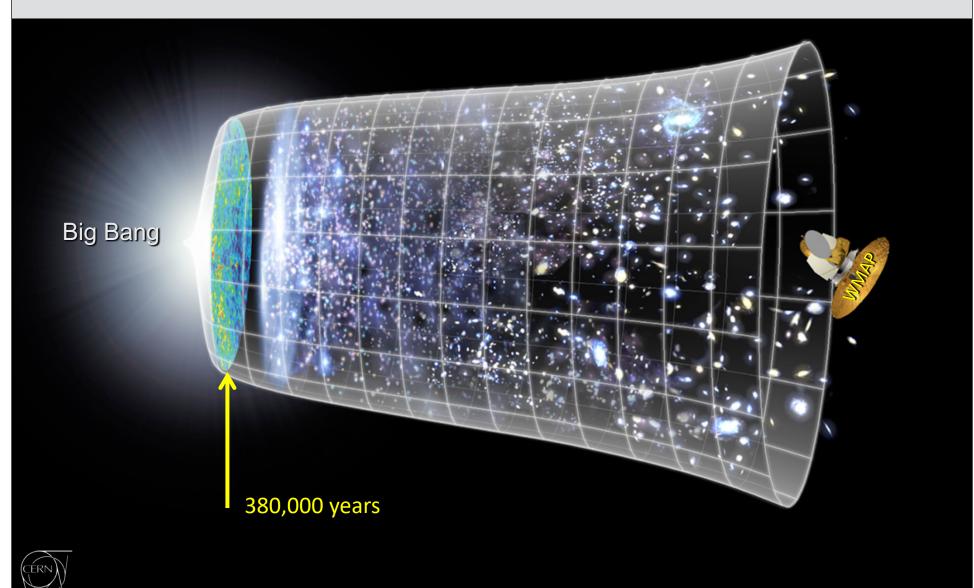
Distribution of all CERN Users by Nationality

MEMBER STATES 7889	
Austria 117 Belgium 120 Bulgaria 96 Czech Republic 244	
Denmark 67 Finland 111 France 868	
Germany 1342 Greece 237 Hungary 76	
Israel 65 Italy 2045 Netherland <u>s 168</u>	
Norway 67 Poland 350	
Portugal 127 Romania 134 Slovakia 124 Spain 447	
Sweden 85 Switzerland 228	OBSERVERS 2718
United Kingdom 771	Japan 314 Russia 1187 USA 1217
ASSOCIATE MEMBERS India 357 745	
Lithuania 35 Pakistan 65 Turkey 173 Ukraine 115	OTHERS1872Bolivia4Egypt31Kazakhstan5Mongolia2Philippines3Thailand22Afghanistan1Brazil135Estonia15Korea Rep.185Morocco20and Nevis1Tunisia5Albania3Burundi1Georgia46Kyrgyzstan1Myanmar1Saudi Arabia2Uruguay1
ASSOCIATE 118 MEMBERS IN THE PRE-STAGE TO MEMBERSHIP Cyprus 26	Algeria14Cameroon1Ghana1Latvia2Nepal10Senegal1Uzbekistan4Argentina27Canada161Hong Kong1Lebanon23New Zealand5Singapore4Venezuela10Armenia19Chile20Iceland3Luxembourg2Nigeria3South Africa56Viet Nam13Australia31China510Indonesia11Madagascar4North Korea1Sri Lanka6Zambia1Azerbaijan10Colombia45Iran51Malaysia15Oman3Sudan1Zimbabwe2Bangladesh11Croatia41Iraq1Malta9Palestine (O.T.).7Swaziland1
Serbia 57 Slovenia 35	Balgiadesin11Croatia4111aq1Matta9Falestine (0.1.).7Swazhand1Belarus48Cuba12Ireland16Mauritius1Paraguay2Syria1Benin1Ecuador6Jordan1Mexico82Peru7Taiwan51

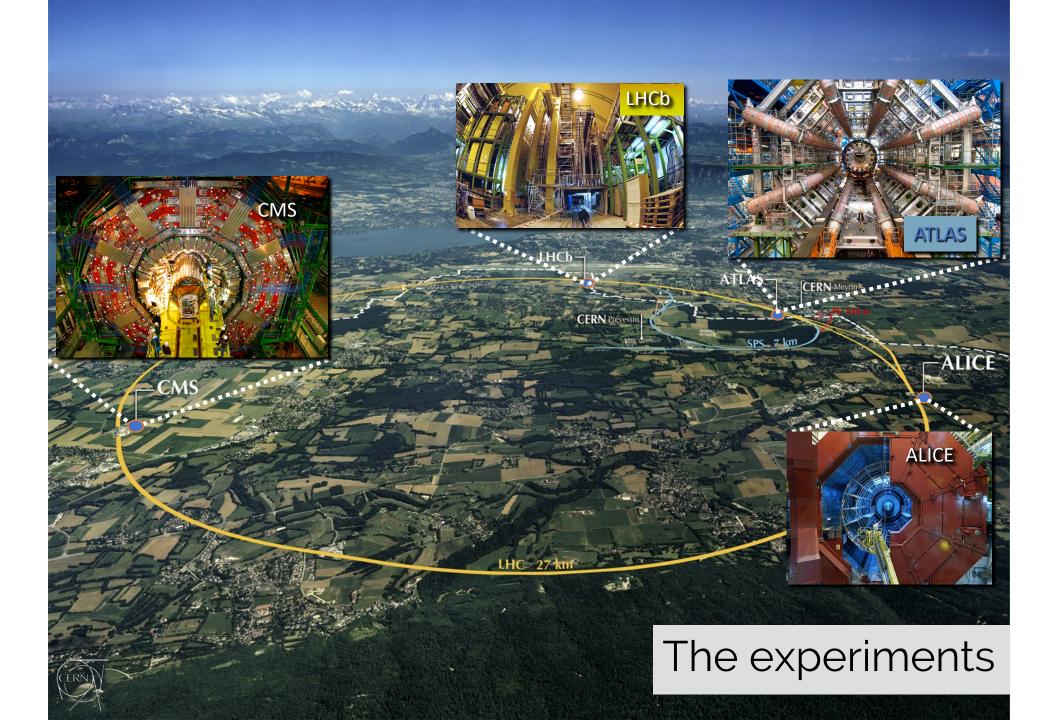
Understanding the very first moments of our Universe after the Big Bang

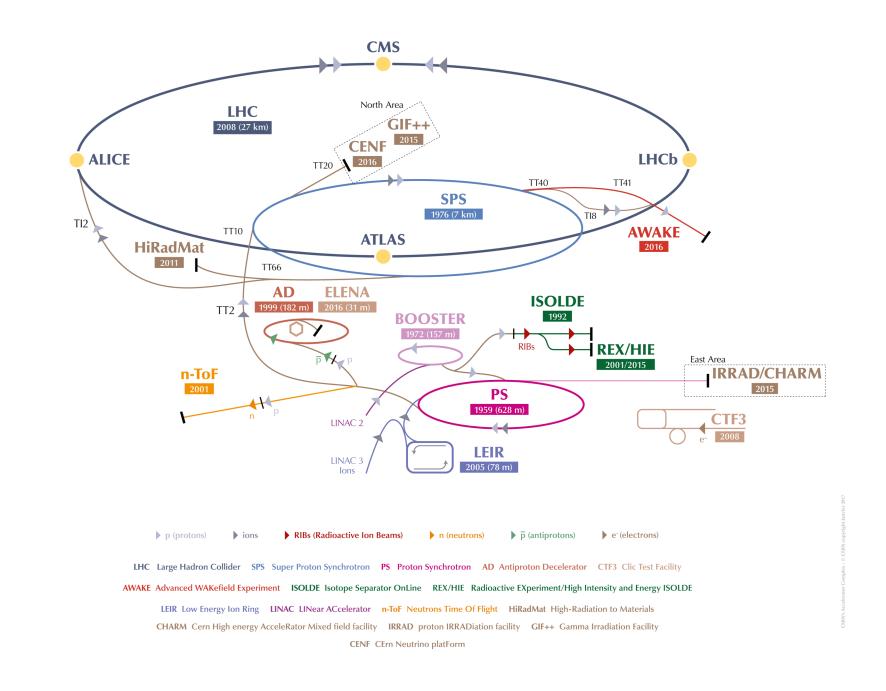


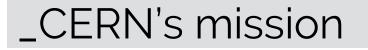
Understanding the very first moments of our Universe after the Big Bang











Push back the frontiers of knowledge

Unite people from different countries and cultures

Train scientists and engineers of tomorrow

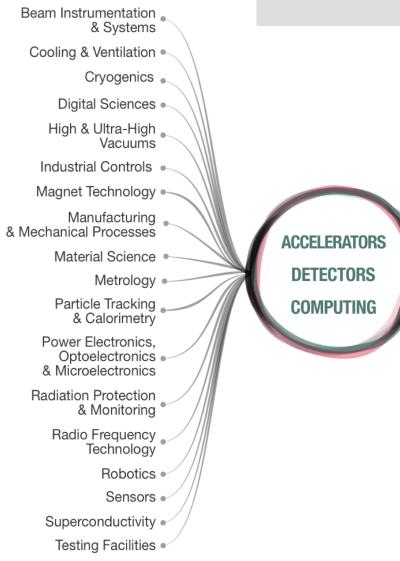
Develop new technologies for accelerators and detectors



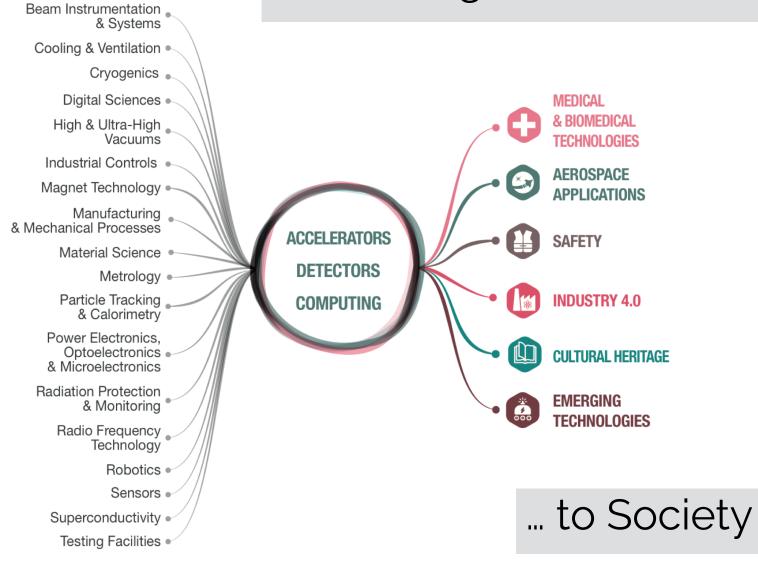
From CERN Technologies ...



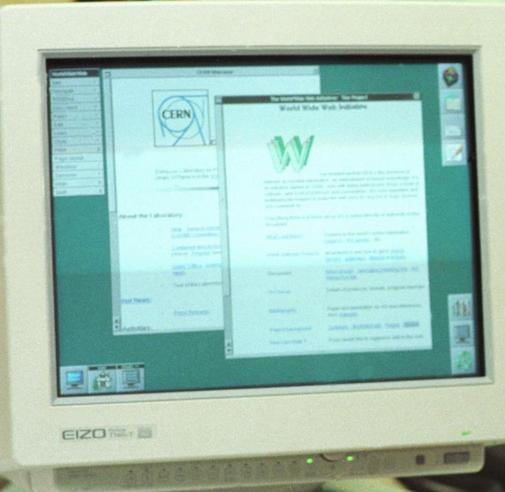
From CERN Technologies ...



From CERN Technologies ...



The World Wide Web born at CERN



The first touchscreen to exist was at CERN

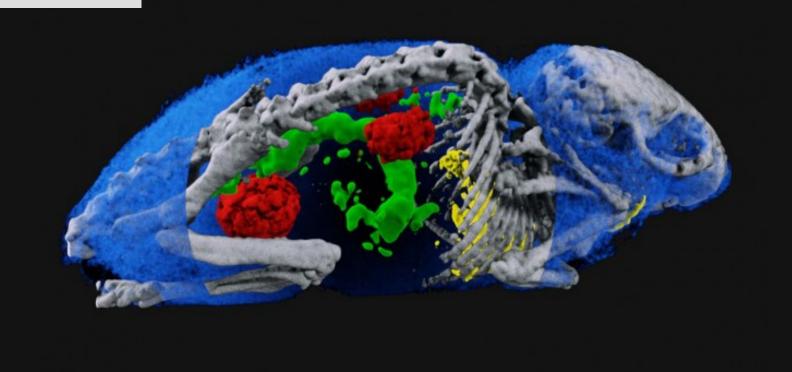
Two Birds With One Proton Beam: CERN Now Makes Radioisotopes For Medical Research

Forbes

CERN-MEDICIS First medical isotopes produced

494999

Spectral imaging -Medipix chip



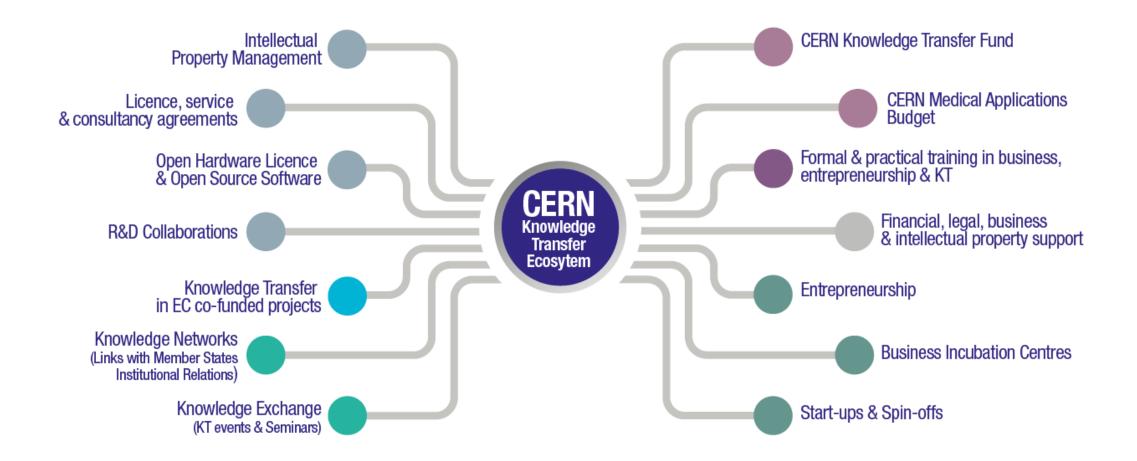
X-ray eyes for cultural heritage – Medipix chip

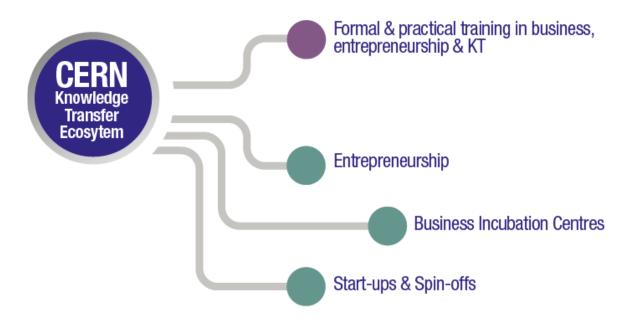
From the LHC to space - Timepix chip

CERN's controls middleware software for worldwide factory automation.

Machine learning to improve vaccine production

CERN - Sanofi





Building a culture of entrepreneurship



Entrepreneurship Meet-Ups



3. When did quantum become a thing
4. What exactly is a quantum compution
5. Why do we need them? Why should

How can you get involved?

http://cern.ch/go/Bnc7

AN INNOVATION COMPETITION WHERE TEAMS CAN SOLVE MEDTECH PROBLEMS PITCHED BY HEALTHCARE ORGANISATIONS AND INDUSTRY. #CERNMEDTECHNACK

M-E-D

T-E-C-H

H-A-C-K

AWARD FEST, FIND OUT MORE AT: INDICO.CERN.CH/E/MEDTECHHACK18

CERN MedTech:Hack



		ase 2: Iluate		Phase 4: Conclude
	Week 2	Week 3	Week 4	Week 5
 CERN & its research Technology deep diving sessions Brainstorming & new applications 	 Two market assessment sprints Market evaluation based on identified opportunities 	 Series of lectures and workshops focusing on high- tech venture creation Carve out business model 	 Series of lectures and workshops focusing on high- tech venture creation Validate business model 	 Final pitch Finalise business concept Finalise proof-of-concept and prototypes

NTNU Screening Week – 10 years in 2018





Start-up based on CERN student programme

REIMAGINING LIBRARY TECHNOLOGY



TIND ILS

Management of print and electronic resources.



TIND RDM

Capture and preserve datasets of any size and format.



TIND DA

Digital archive for digitized and special collections.

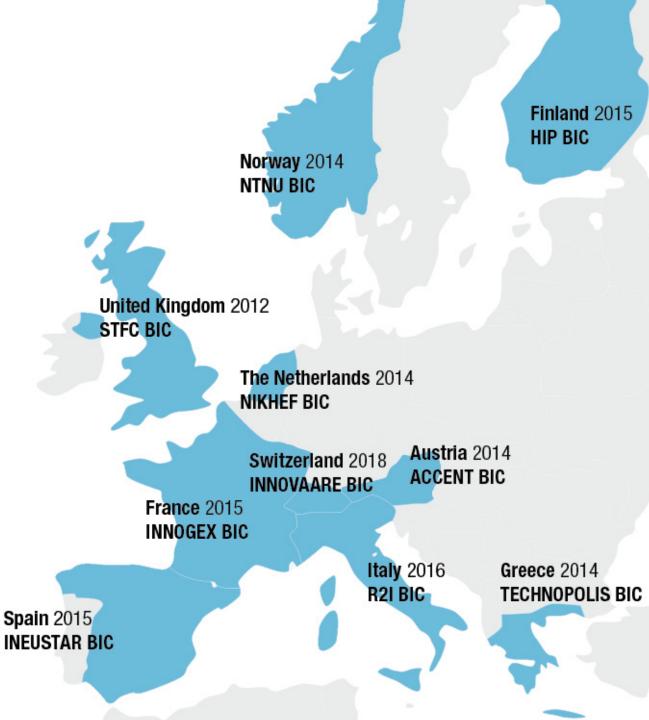


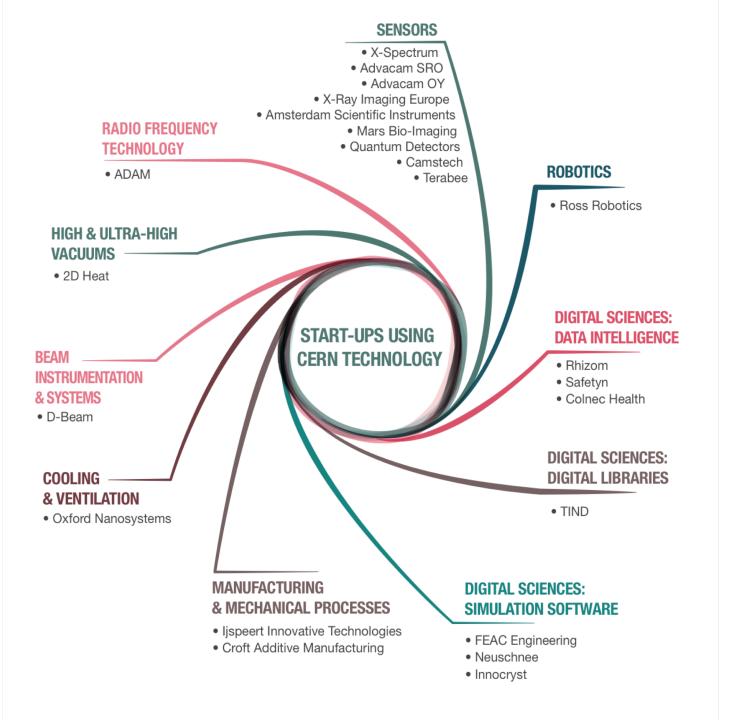
TIND IR

Manage publications and other traditional research output.

CERN BICs

Network of Business Incubation Centres





Start-ups accepted in BICs in 2018



STFC BIC





INEUSTAR BIC



INNOGEX BIC



_Contact

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