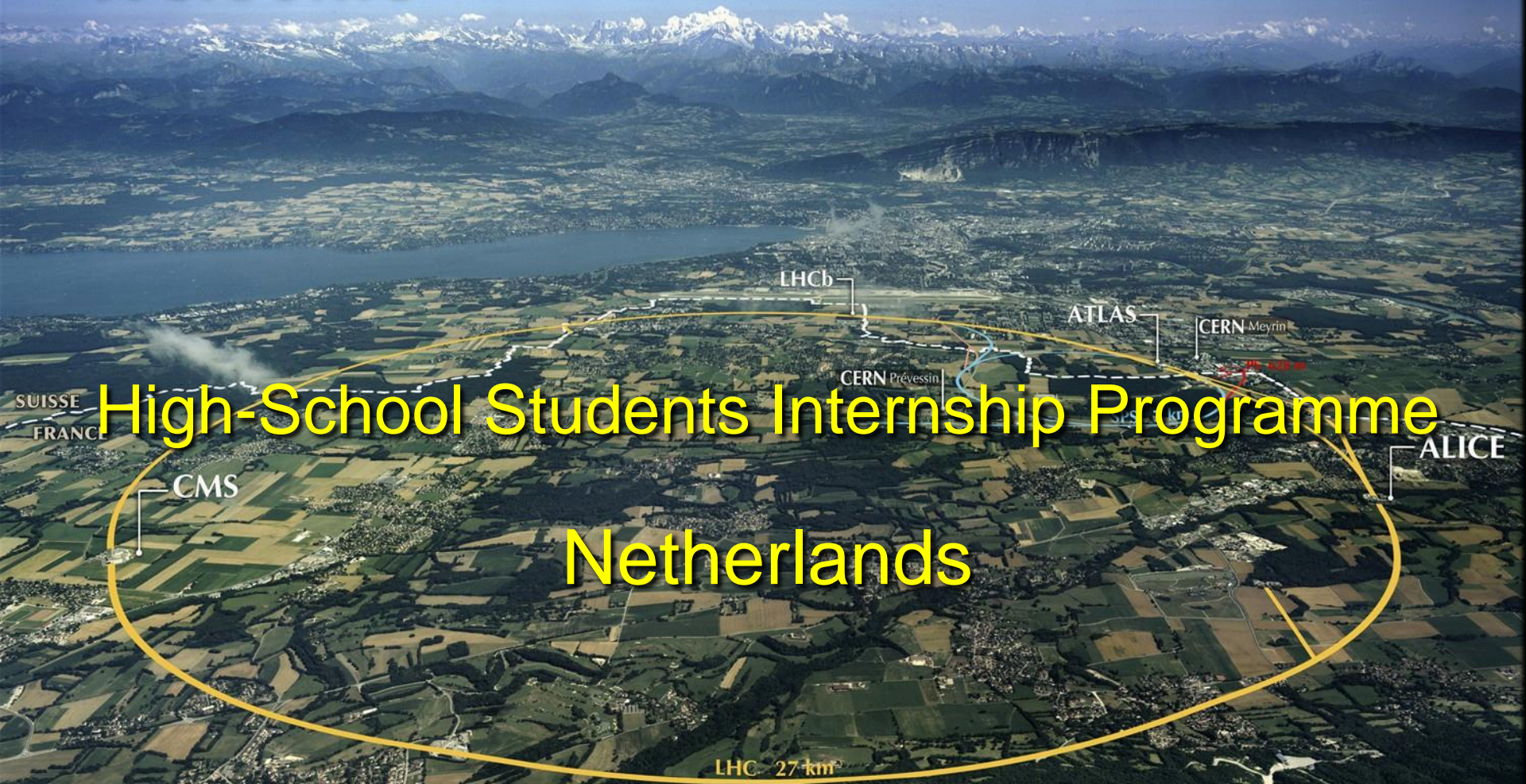


Welcome



High-School Students Internship Programme

Netherlands

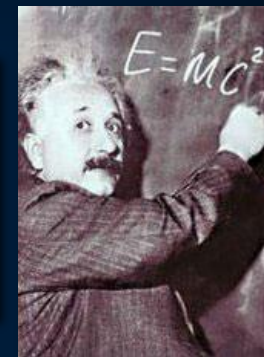
to  **Accelerating Science and Innovation**



The Mission of CERN

❑ **Push back** the frontiers of knowledge

E.g. the secrets of the Big Bang ...what was the matter like within the first moments of the Universe's existence?

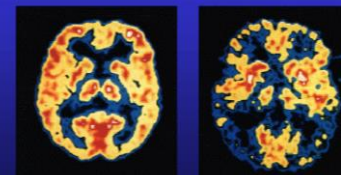


❑ **Develop** new technologies for accelerators and detectors

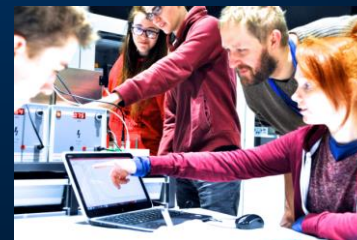
Information technology - the Web and the GRID
Medicine - diagnosis and therapy



Brain Metabolism in Alzheimer's Disease: PET Scan



❑ **Train** scientists and engineers of tomorrow



❑ **Unite** people from different countries and cultures



CERN: founded in 1954: 12 European States

“Science for Peace”

Today: 22 Member States

~ 2500 staff

~ 1800 other paid personnel

~ 13000 scientific users

Budget (2017) ~ 1100 MCHF

Member States: Austria, Belgium, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Israel, Italy, Netherlands, Norway, Poland, Portugal, Romania, Slovak Republic, Spain, Sweden, Switzerland and United Kingdom

Associate Members in the Pre-Stage to Membership: Cyprus, Serbia, Slovenia

Associate Member States: India, Lithuania, Pakistan, Turkey, Ukraine

Applications for Membership or Associate Membership:

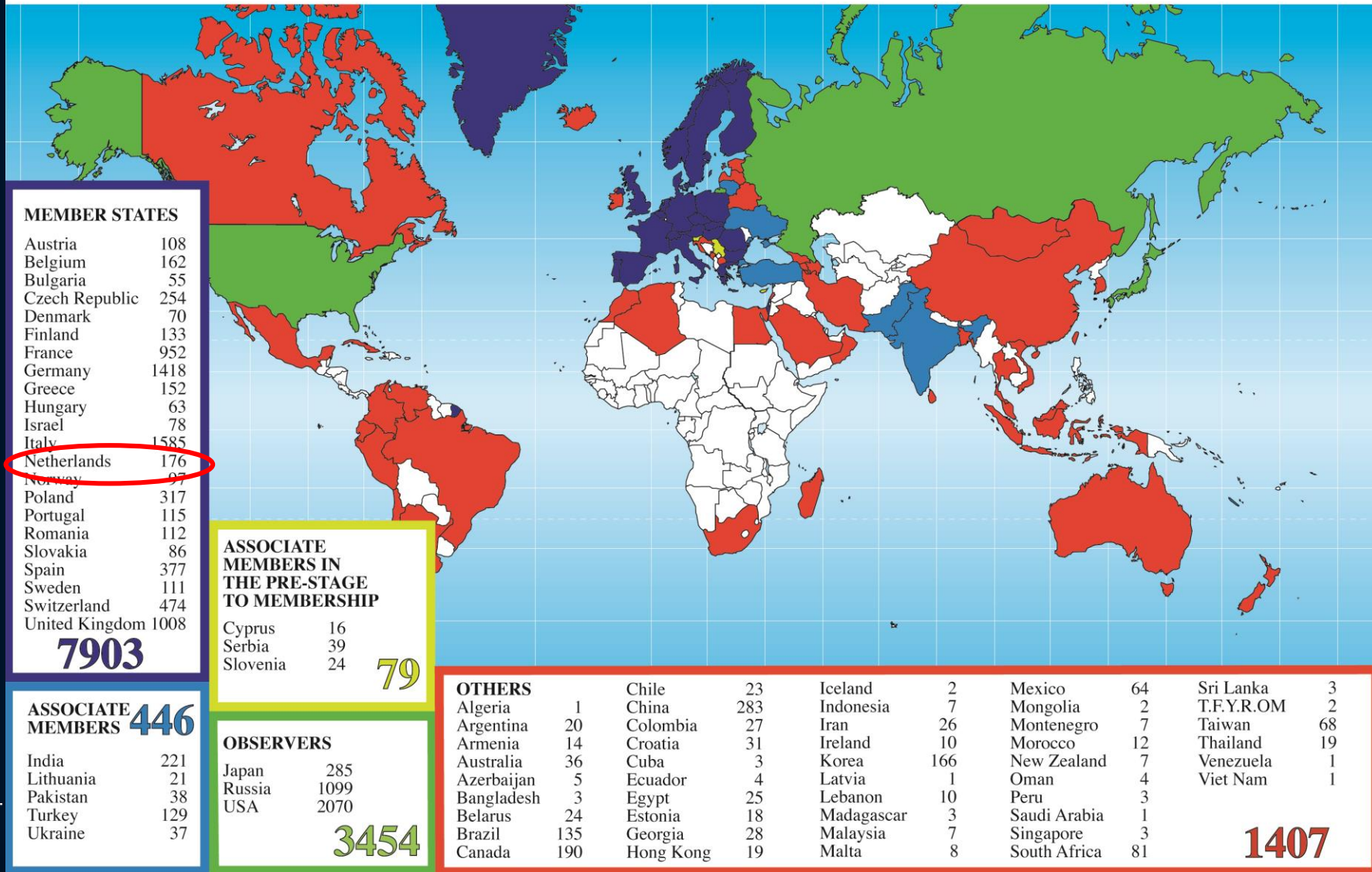
Brazil, Croatia

Observers to Council: Japan, Russia, United States of America;
European Union, JINR and UNESCO



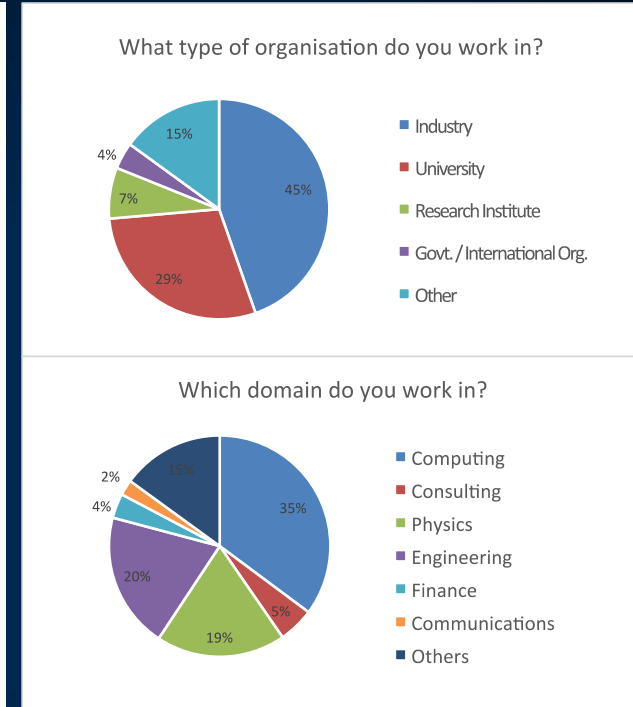
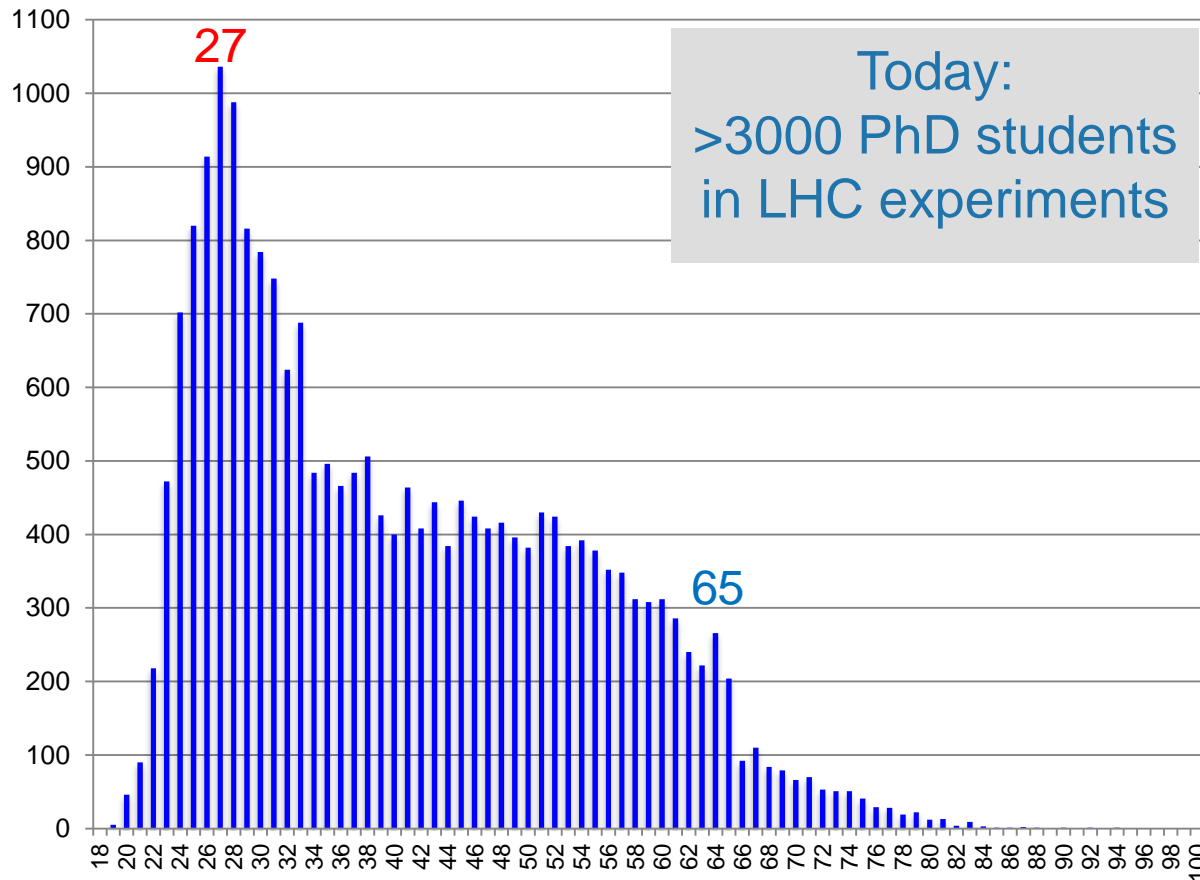
Science is getting more and more global

Distribution of All CERN Users by Location of Institute on 24 January 2018



Age Distribution of Scientists

- and where they go afterwards

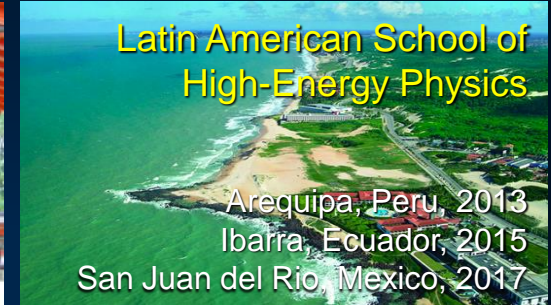


They do not all stay: where do they go?

CERN Education Activities

Scientists at CERN

Academic Training Programme



Young Researchers

CERN School of High Energy Physics
CERN School of Computing
CERN Accelerator School



CERN School of Physics
Portugal, September 2017

Undergraduates

Summer Students
Programme



CERN Teacher Schools

International and National
Programmes

Public visitors

120 thousand per year





ENJOY and LEARN!



Accelerating Science and Innovation