ETH zürich

Welcome to ETH Zurich!

21st International Conference on Cyclotrons and their Applications

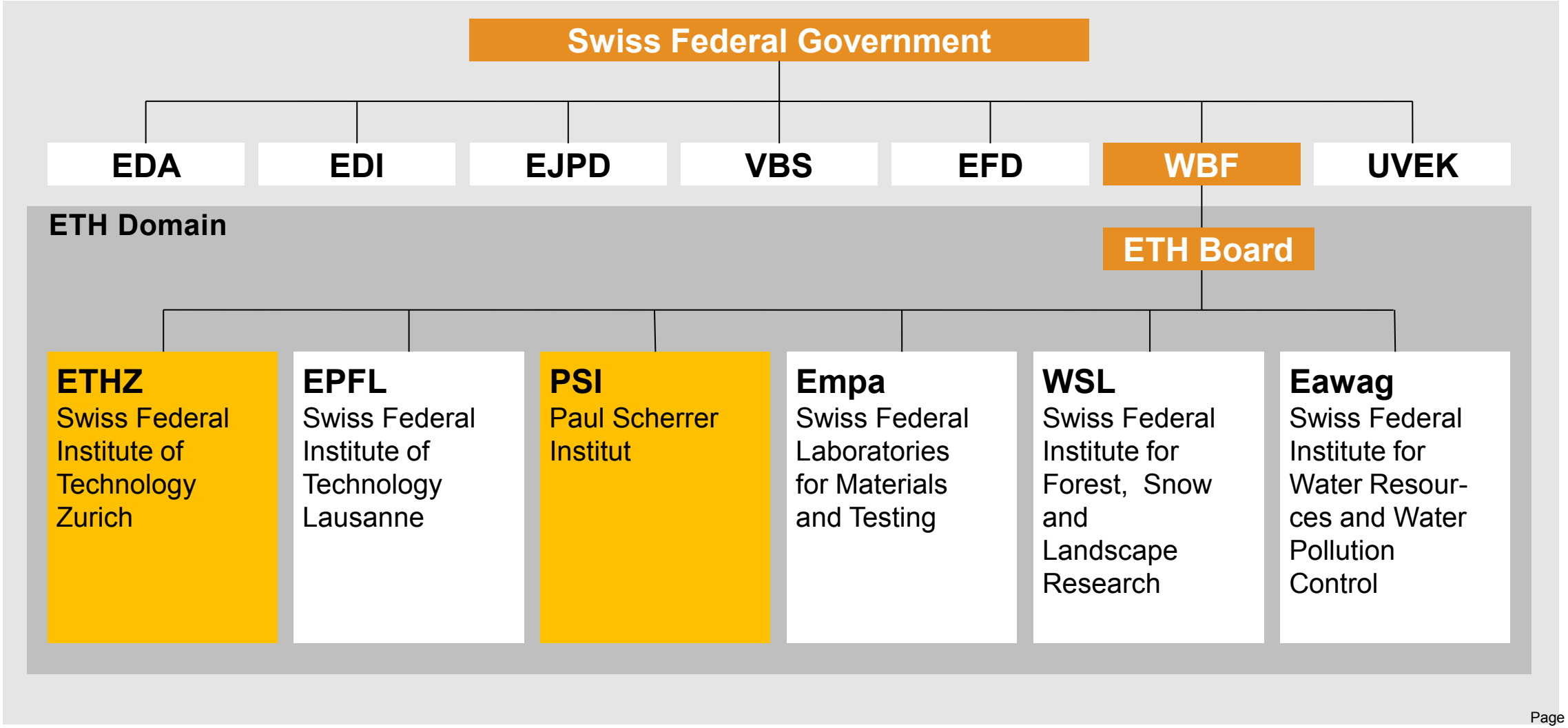
Hosted by the

Paul Scherrer Institut

and the

ETH Zurich

Administrative Embedding



WBF: Federal Department of Economic Affairs, Education and Research.

ETH Zurich at a glance

Founded 1855

- Driving force of industrialisation in Switzerland

ETH Zurich today

- One of the leading international universities for technology and the natural sciences
- Place of study, research and employment for approximately 29,000 people from over 110 different countries

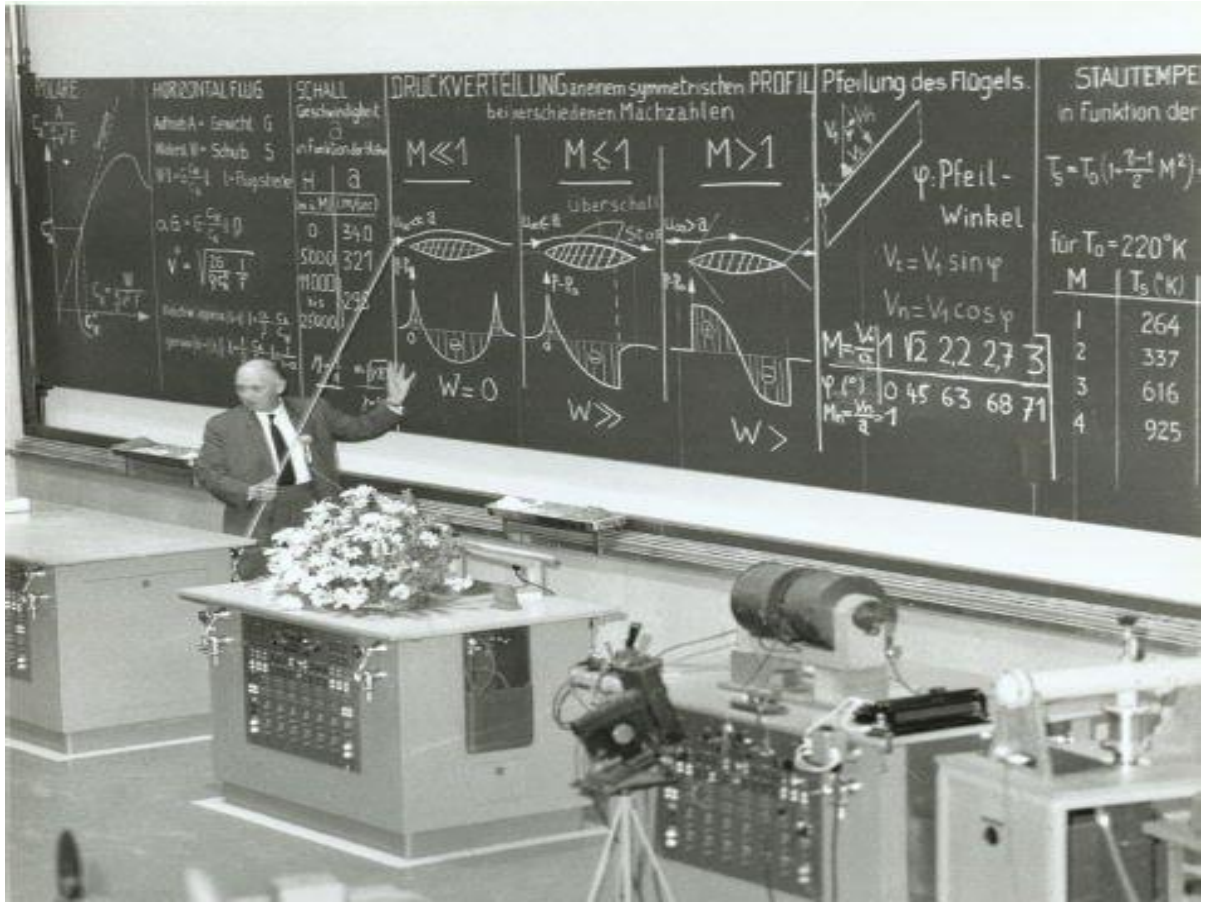
Reasons for success:

- Excellent education
- Ground-breaking fundamental research
- Putting new findings into practice

https://www.ethz.ch/content/dam/ethz/common/docs/publications/info/eth-informationsbroschuere-e.pdf

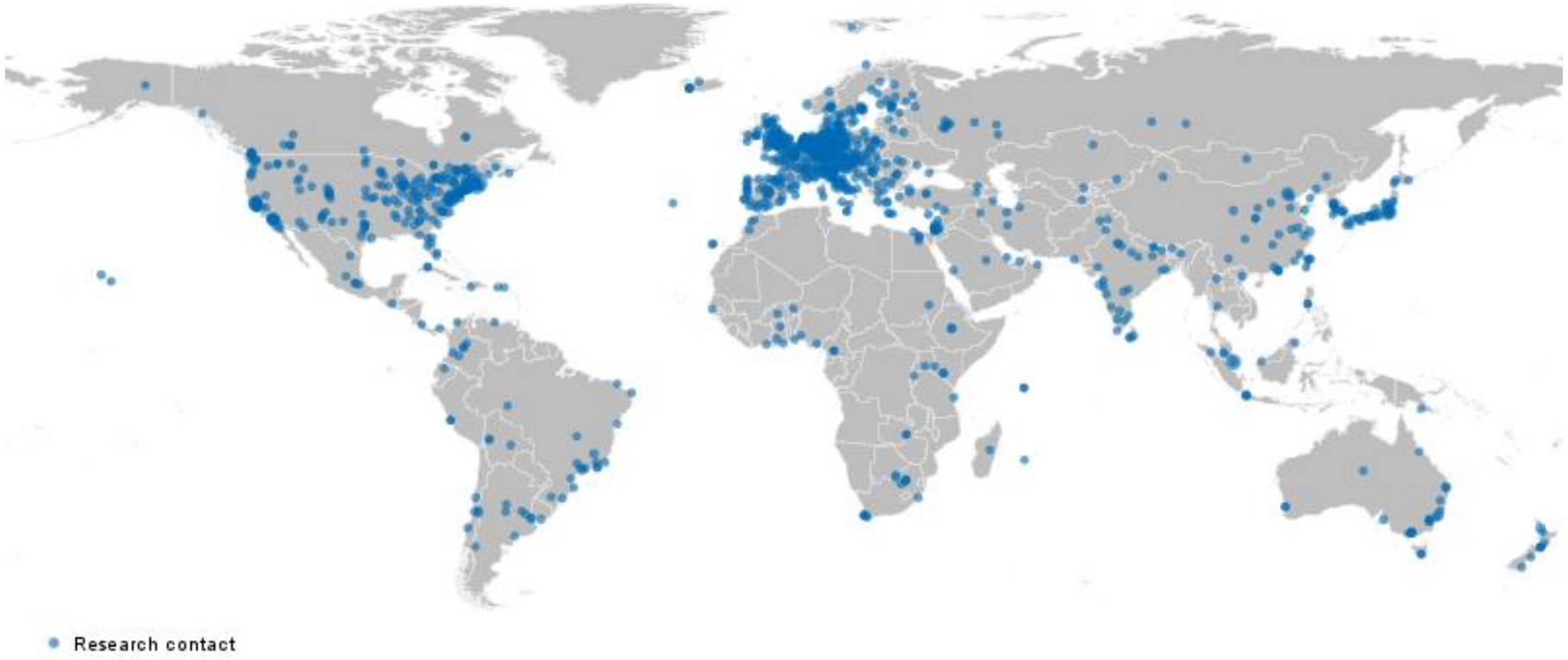
ETH Zürich – Numbers 2014

- 19’200 Students (31% female, 37% international)
  - including 4’000 doctoral students
- 500 Professors
- 120 Nationalities
- 16 Departments, 12 Vocational training programs,
  24 Bachelor and
  43 Master degree programs
- CHF 1‘556 Mio. Budget
- 90 Patent applications
- 120 sports in ASVZ
- 21 Nobel laureats studied, taught or conducted research at ETHZ
- 330 Spin-off companies since 1996



Globally networked with leading universities

- International cooperation in research and education
- Partnerships with leading universities



Locations

Main location in Zurich

- Campus Zentrum: Historic main building in the heart of Zurich, built by Gottfried Semper
- Campus Hönggerberg: Modern campus, which links science, the business world and the public in exemplary fashion

Additional locations in Switzerland

- Basel: Department of Biosystems Science and Engineering
- Lugano: Swiss National Supercomputing Centre (CSCS)
- Other decentralised entities

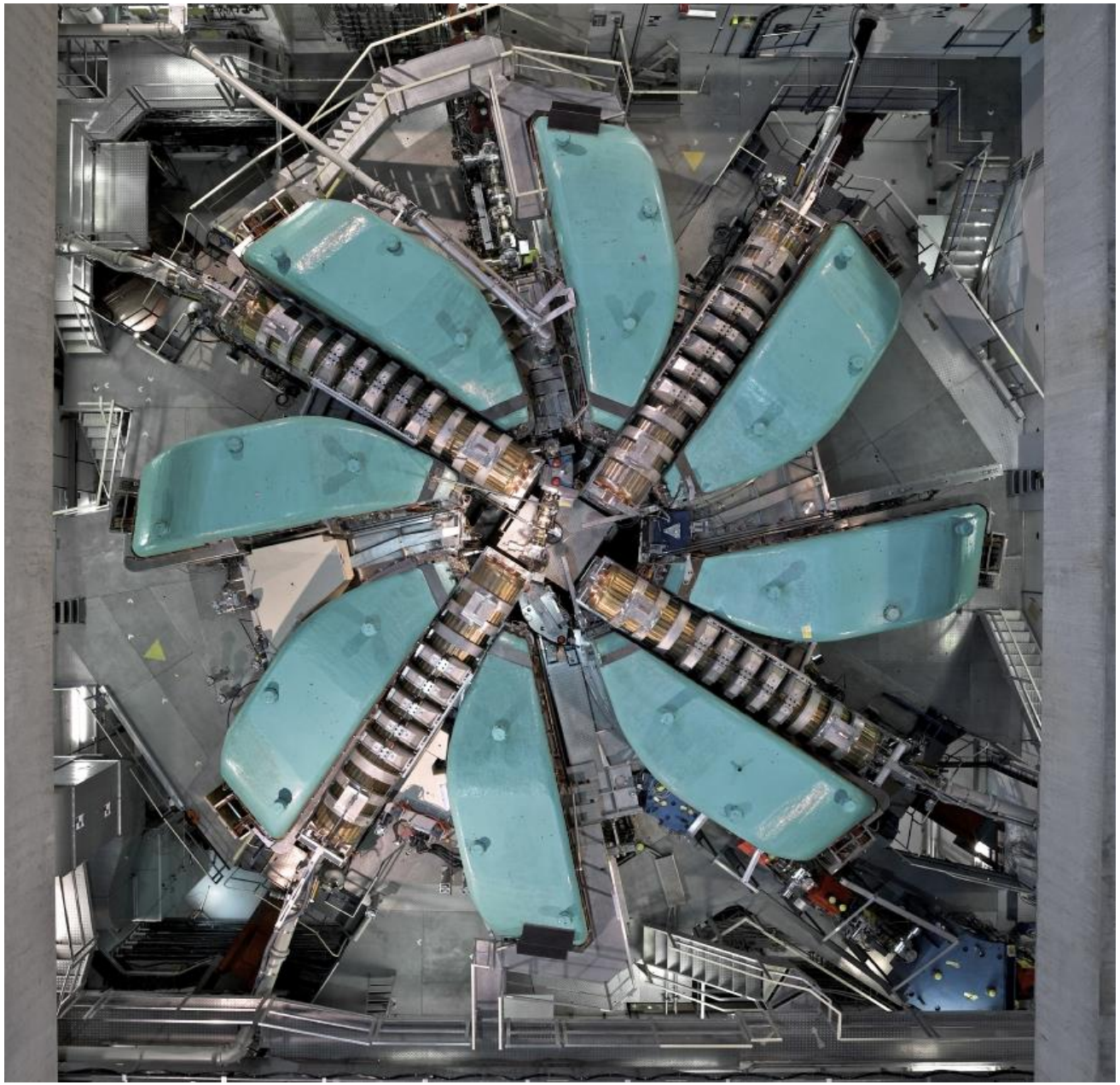
Research facility in Singapore

- Singapore-ETH Centre for Global Environmental Sustainability (SEC)

The old (1945) ETH cyclotron …

Pictures: C. Grab

High Intensity Proton Accelerator at PSI



The Ring Cyclotron

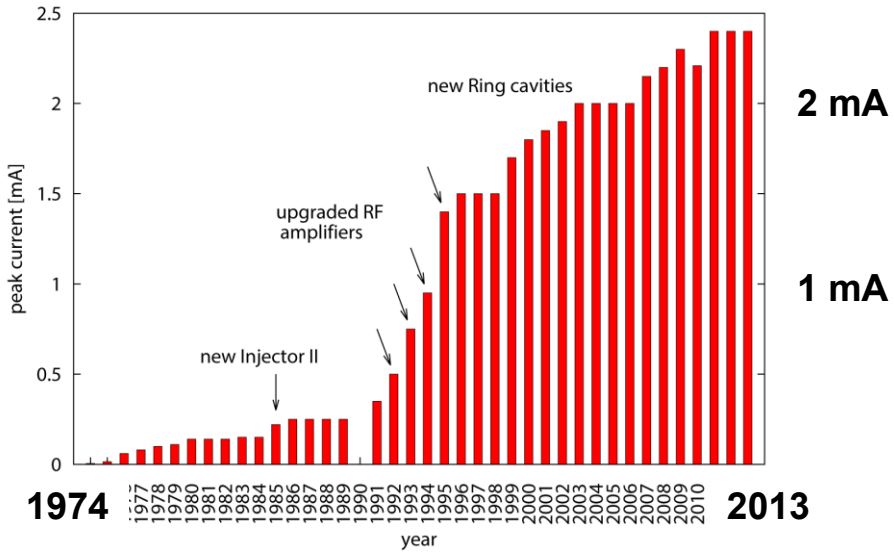
produces the highest intensities of the lightest unstable particles of their kind:

Mesons: **Pions**, π^+, π^-, π^0

Leptons: **Muons**, μ^+, μ^-

Baryons: **UCN**, **n**

It serves 3 large communities as user facility: neutron scattering, muon spin spectroscopy, and fundamental particle physics.



I wish you a very delightful and stimulating conference!

Thank you for coming to ETHZ & PSI!