



CERN

LHCb

ATLAS

CERN Meyrin

CERN Prévessin

SPS 7 km

RHIC 6.28 km

ALICE

SUISSE
FRANCE

CMS

Programme Objectives

Konrad Jende, Spanish and Mexican Teachers

LHC 27 km

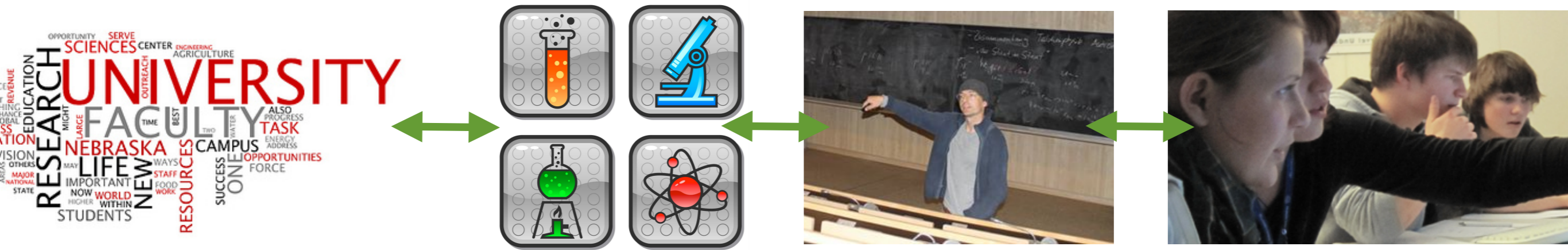
Programme 2014



Programme Objectives

Konrad Jende, Spanish and Mexican Teachers
Programme 2014

How to bring modern science into classroom?



We need you!



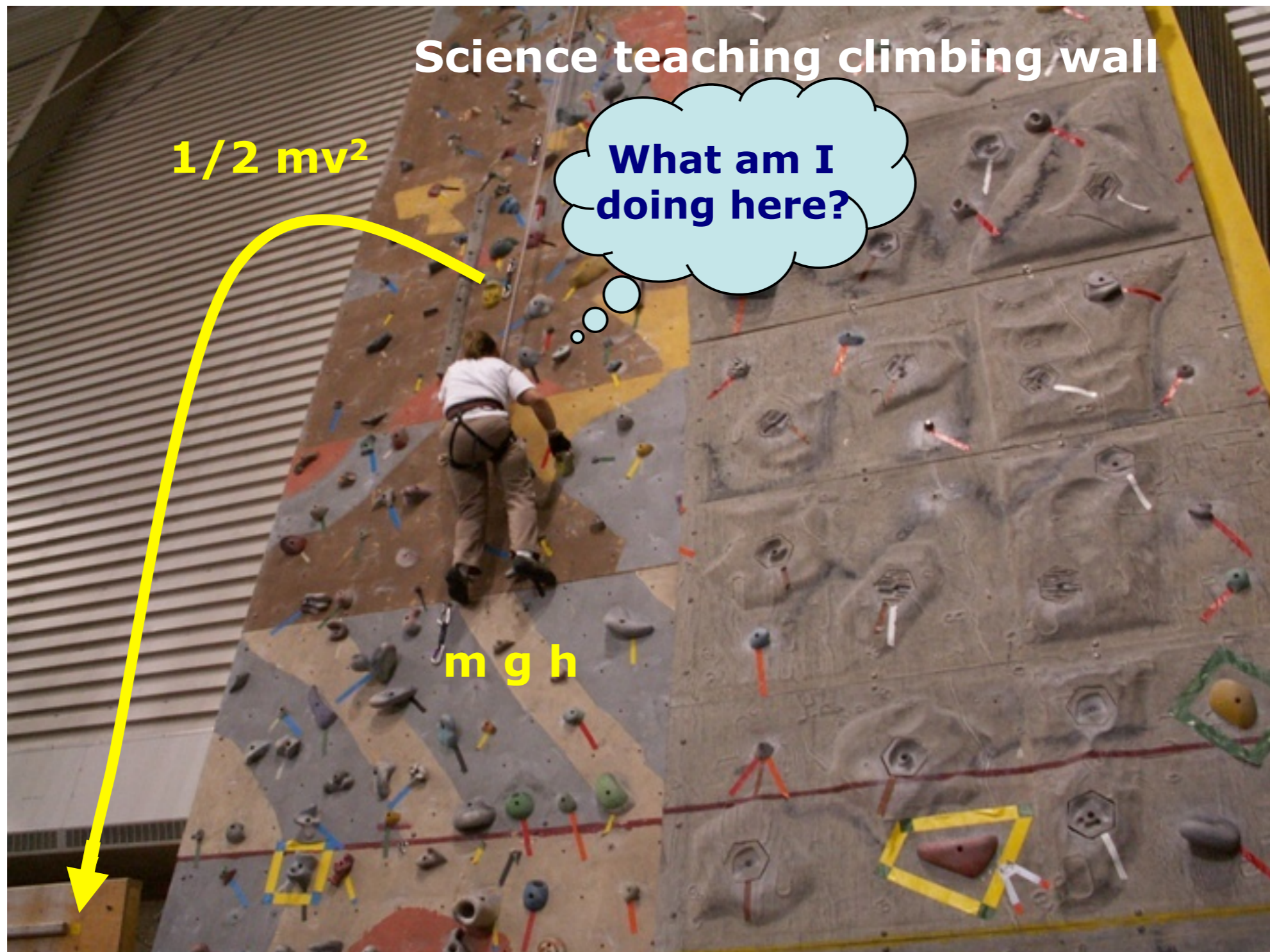
Our objectives

- Raise and Maintain the interest of students in moderns science
 - Motivate them to continue scientific education at school
 - help them to better understand the physical world
- Instill a feeling of mystery and discovery potential
 - Motivate students to study science/engineering at universities
- Improve scientific literacy
- Prepare the future generation of scientists/engineers

How researchers view science



How students view science



Take students on a sight-seeing tour

The origin of ...

Universe



Black Holes

Dark Matter

Dark Energy

Antimatter

Particles

Link modern physics to school curriculum

CERN's Teachers' Programmes

Lectures



Discussions



Visits



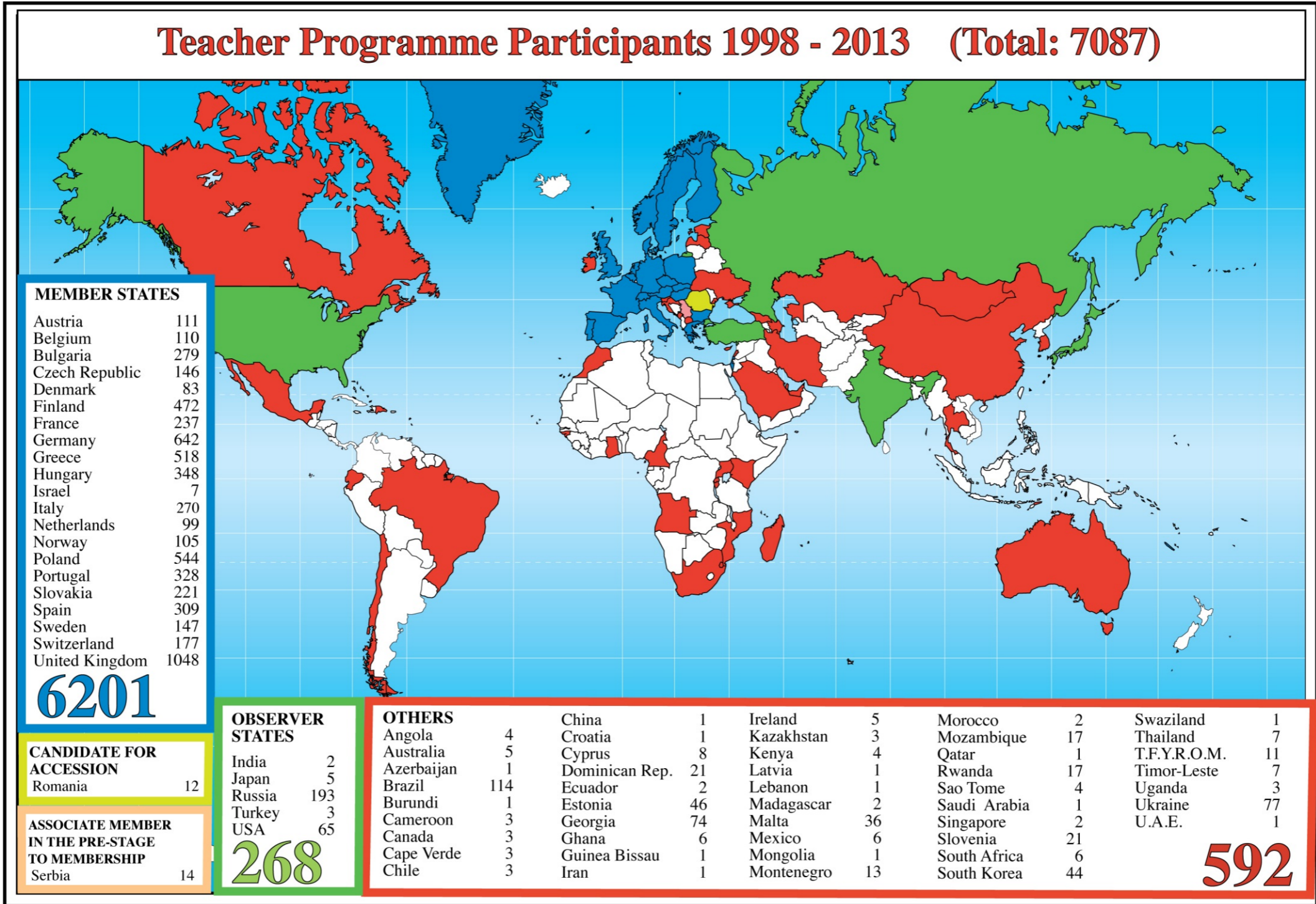
Hands-on workshops



CERN's Teachers' Programmes

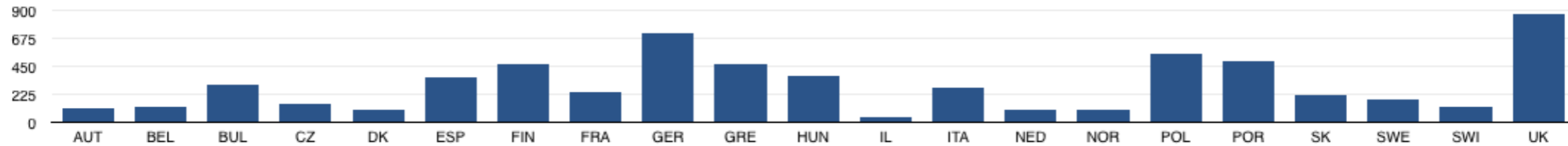
- 2 days to one week long national teachers' programmes (NTP) in native language
- three week long High School Teachers Programme (HST) in English

Stats 1

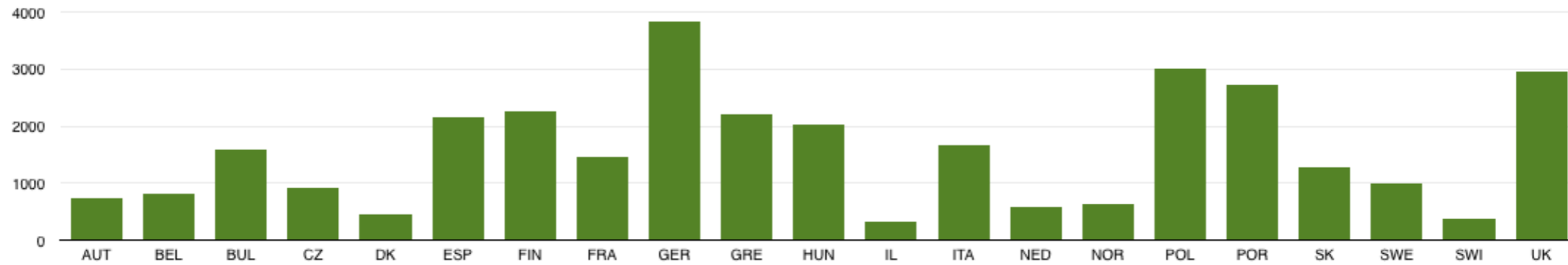


Stats 2

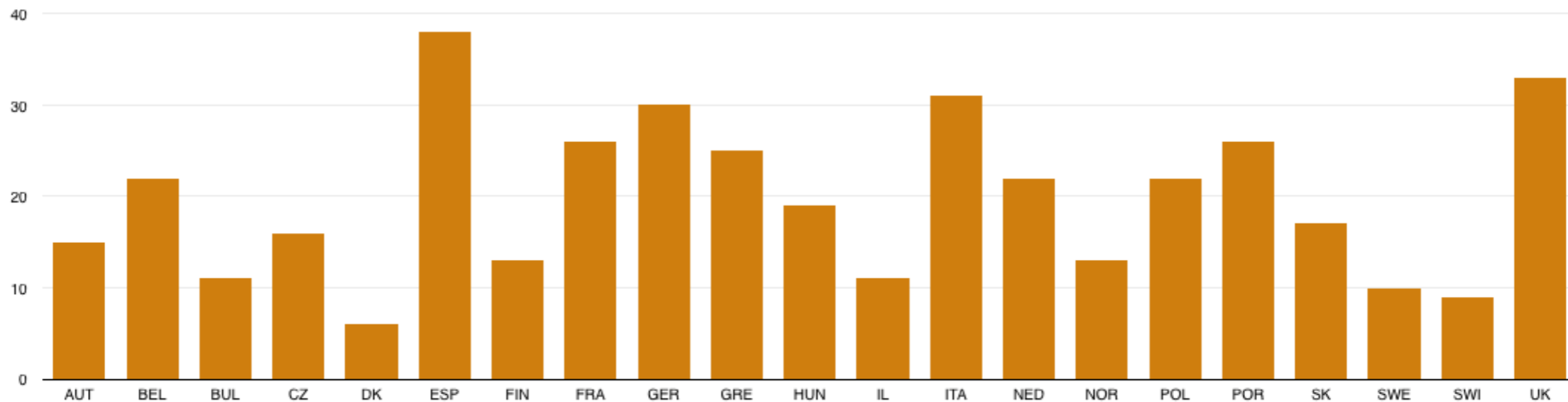
Total Number of Teachers attended any sort of Teacher Programme vs Nationality (1998 - 2014)



National Comparison of number of teachers times days spent (1998 - 2014)



Nationalities at HST (1998 - 2014)



Outcome and To-Do-List

- newly inspired, motivated and confident teachers
- inspiring and motivating teachers

- Share your experience with colleagues!
- Share your experience with the general public!

- Act as ambassador for science/engineering in general and particle physics in particular
- Organize follow-up activities
- Promote our programmes

¿más preguntas?



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