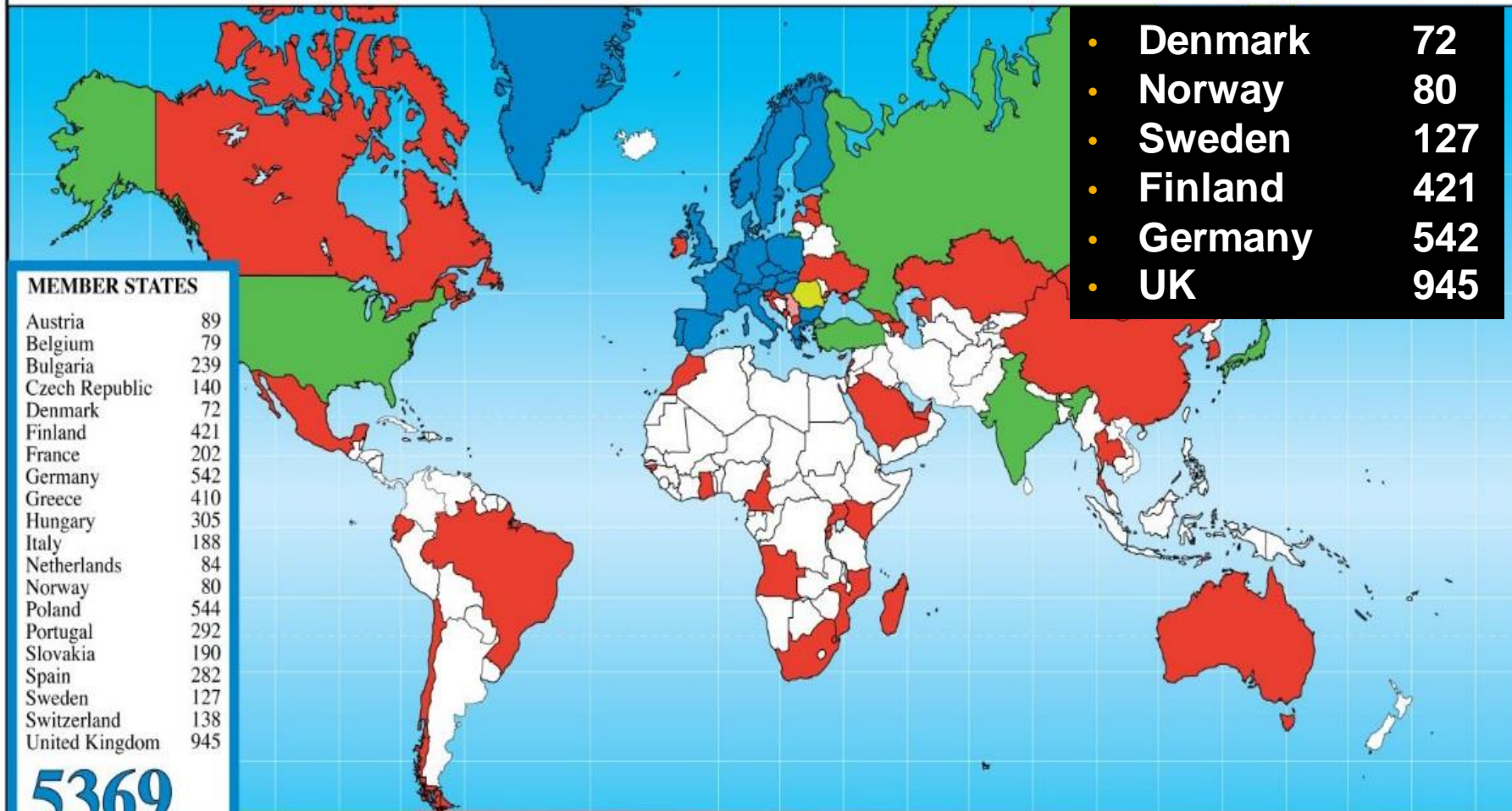




Swedish Teachers Programme Status

19 June 2013 – L.Jirdén

Teacher Programme Participants 1998 - 2012



- Denmark 72
- Norway 80
- Sweden 127
- Finland 421
- Germany 542
- UK 945

MEMBER STATES

Austria	89
Belgium	79
Bulgaria	239
Czech Republic	140
Denmark	72
Finland	421
France	202
Germany	542
Greece	410
Hungary	305
Italy	188
Netherlands	84
Norway	80
Poland	544
Portugal	292
Slovakia	190
Spain	282
Sweden	127
Switzerland	138
United Kingdom	945

5369

CANDIDATE FOR ACCESSION

Romania	11
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ASSOCIATE MEMBER IN THE PRE-STAGE TO MEMBERSHIP

Israel	4
Serbia	12

OBSERVER STATES

India	2
Japan	4
Russia	163
Turkey	3
USA	61

233

OTHERS

Angola	4	Chile	3	Kazakhstan	3	Mozambique	17	Thailand	6
Australia	3	China	1	Kenya	2	Qatar	1	T.F.Y.R.O.M.	11
Azerbaijan	1	Croatia	1	Latvia	1	Rwanda	15	Timor-Leste	4
Brazil	83	Cyprus	8	Lebanon	1	Sao Tome	3	Uganda	1
Burundi	1	Ecuador	2	Madagascar	2	Saudi Arabia	1	Ukraine	57
Cameroon	3	Estonia	35	Malta	36	Singapore	2	U.A.E.	1
Canada	2	Georgia	55	Mexico	5	Slovenia	21		
Cape Verde	3	Ghana	6	Mongolia	1	South Africa	6		
		Guinea Bissau	1	Montenegro	13	South Korea	44		
		Ireland	3	Morocco	2	Swaziland	1		

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Swedish courses

■ IEDC courses

- 1992 June R.Jacobsson
- ↓ ↓
- 2013 June R.Jacobsson

- 20 courses ~ 350 participants

■ PH EDU group courses

- 2006 Oct H-Å. Gustavsson
- 2008 Oct H-Å. Gustavsson
- 2011 Oct L.Jirden
- 2012 June L.Jirden
- 2012 Oct L.Jirden
- 2013 Oct L.Jirden (planned)

- 5 courses 127 participants

TOTAL: 25 courses ~ 480 participants



Organisation

■ Course registration

- Teachers contacts CERN EDU group or
 contacts L.Jirden directly

■ Duration

- 5 days Sunday → Friday evening

■ Housing

- CERN Hotel if booked early enough

■ Costs

- Travel, Housing, Meals paid by teachers/schools
- Courses free of charge



Programme

Lectures

- Introduction to CERN
- Introduction to Accelerators
- Introduction to Particle Physics
- Why do we do PP research?
- Cosmology
- Antimatter
- Higgs + new Physics
- Medical applications, spin offs
- Data Challenge
- Introduction to Master Classes

Visits

- Accelerator
 - Magnet test facility
 - Proton source, linac...
 - LHC control centre
- Experiments
 - ATLAS, CMS, ALICE
 - AD experiments
- Other
 - AMS control centre
 - IT computer centre
 - Globe

Exercises

- Build Cloud Chamber
- Cosmic Ray detection
- Exploring particles



Programme

■ Reviews

- Review of the day
- Q & A sessions
- Course evaluation

■ Social events

- Discover Geneva Treasure Hunt
- Programme dinner
- Aperitif with Swedish scientists
- Improvised evening activities

■ Lecturers & guides

- Richard Jacobsson
- Hans Danielsson
- Tord Ekelöf
- Thomas Pettersson
- David Milstead
- Peter Sollander
-  ■ Roderic Bruce
- Roger Ruber
- Christian Hansen
- Olov Barring
- Kerstin Jon-And
- Elena Wildner
- Tommy Ericsson
- Olof Ahlen
-
- Michael Doser
- Dave Watts
- Maria Pradillo
- Giacinto De Cataldo
- Despina Hatzifotiado
- Mick Storr
- Antonino Sergi
- Markus Joos
- Hartmut Hillemanns
- ALICE DCS members
- CERN guides
- ...