

# Inventory of Nuclear Education Potential

Yanko Yanev





2010

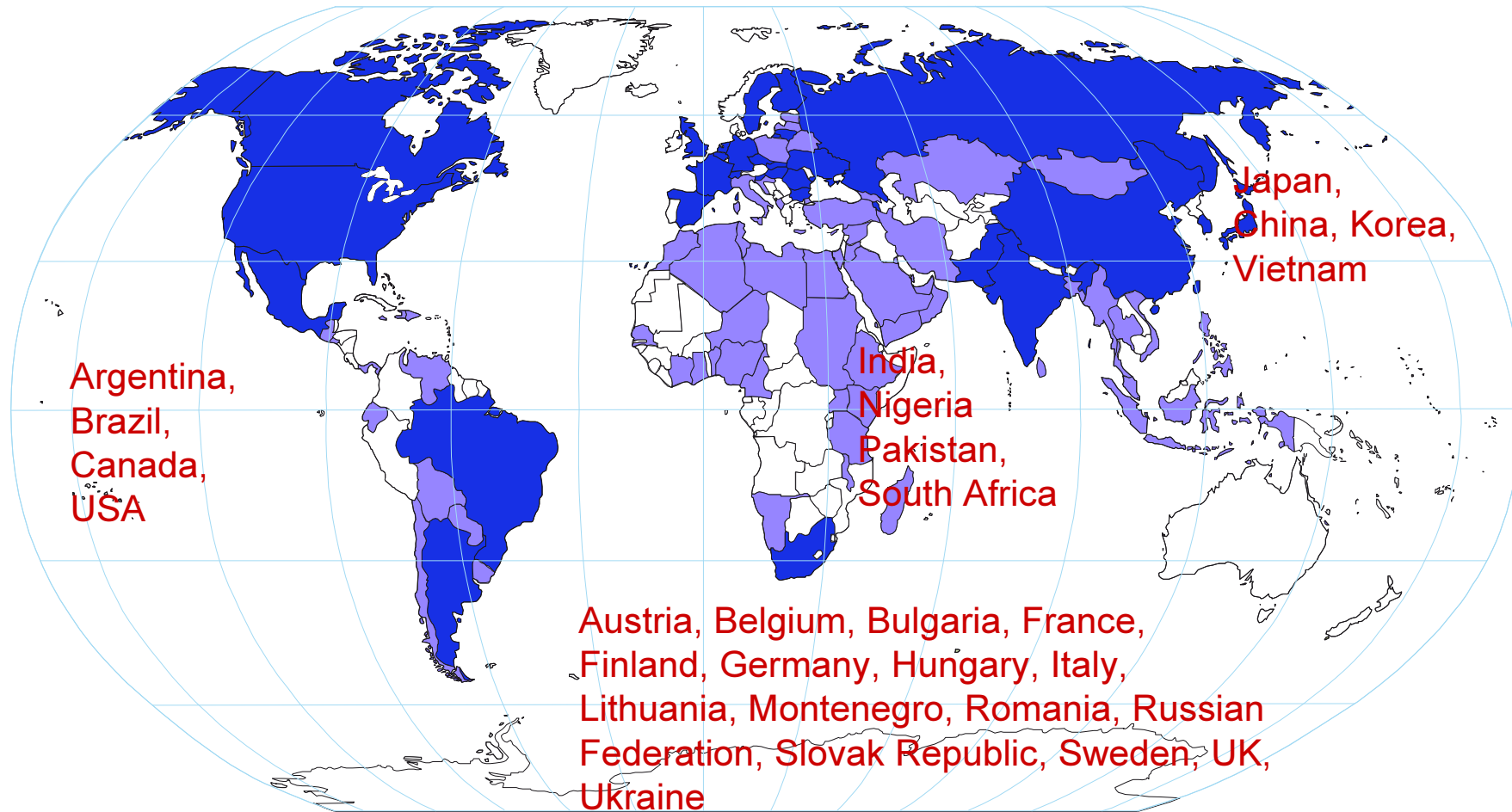
Country review of Nuclear Education and Training  
(ready for publication)

## Outline of the report

### “Status and Trends in Nuclear Education”

- Background . Needs for Nuclear Specialists, including statistics (Industrial demands for nuclear expertise compared to what the educational system is able to produce, trends over the past few years)
- Educational System & Educational Institutions Involved in Nuclear Education (undergraduate and Postgraduate (Graduate) Course Offerings
- Foreign Student from Newcomer Countries Enrolments
- The role and availability of Research and Experimental Facilities (such as a research reactor, accelerators, etc)
- Co-operation/Collaborations with Industry and Government
- Partnerships between educational institutions and the nuclear industry as well as any such cooperation with Government and research organizations
- National and International Co-operation and Educational Networks
- IAEA role and activities supporting nuclear education
- Best practices of the country, including practices/outreach programs to “fill the pipeline” (connection to high school students and teachers)
- Conclusions and recommendations, References, including Web Resources

# Countries submitting national Reports for Status and Trends in Nuclear Education



■ Operating NPP    ■ Considering NPP



# Participating Nuclear Educational Networks

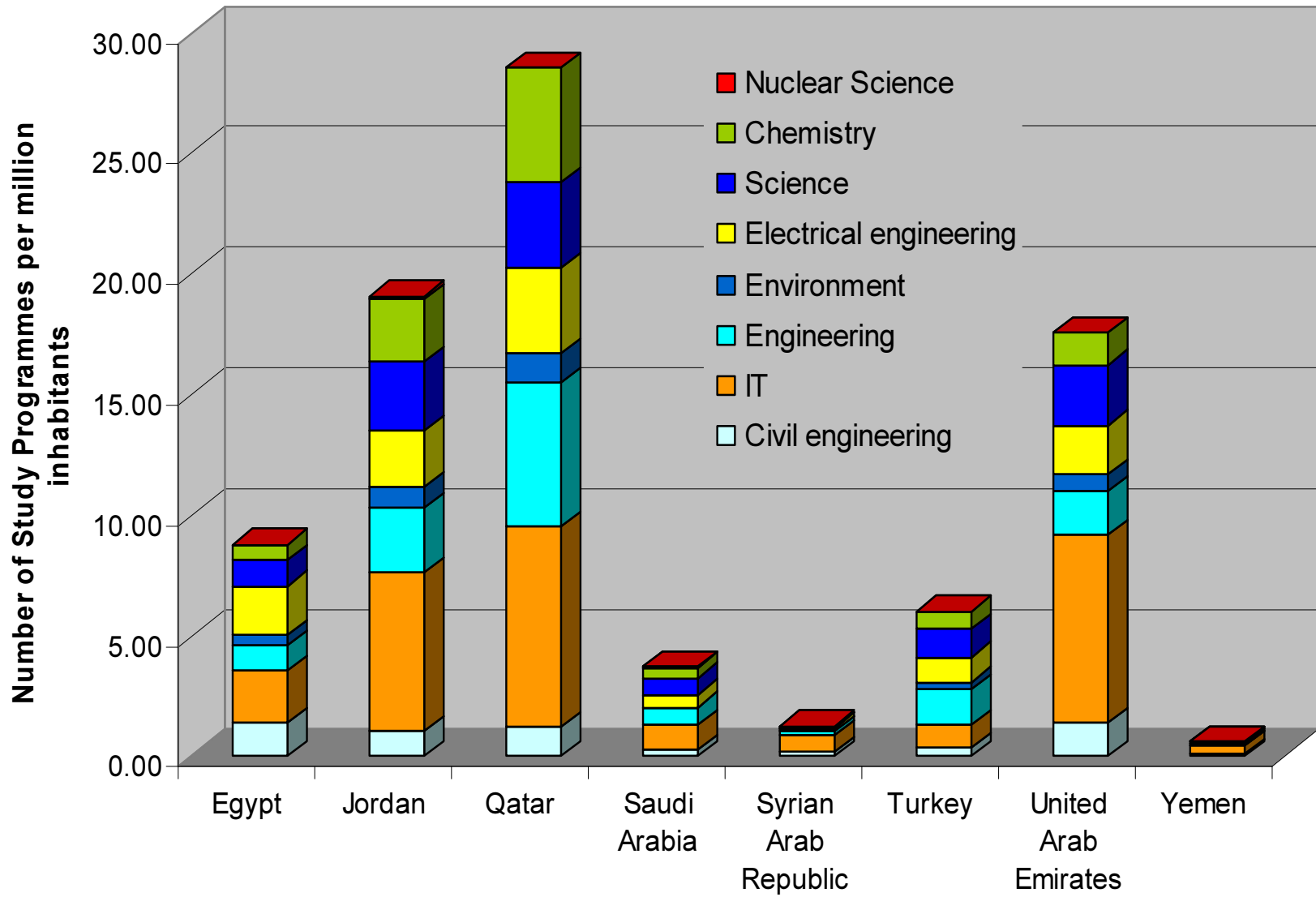
- ❖ ANENT
- ❖ Latin American Network for Education in Nuclear Technology
- ❖ ENEN Association
- ❖ Belgium Nuclear Higher Education Network  
BNEN
- ❖ Consorzio Interuniversitario Per La Ricerca Tecnologica Nucleare (Cirten)
- ❖ Nuclear Technology Education Consortium  
NTEC
- ❖ University Network of Excellence in Nuclear Engineering (UNENE)



## Other projects

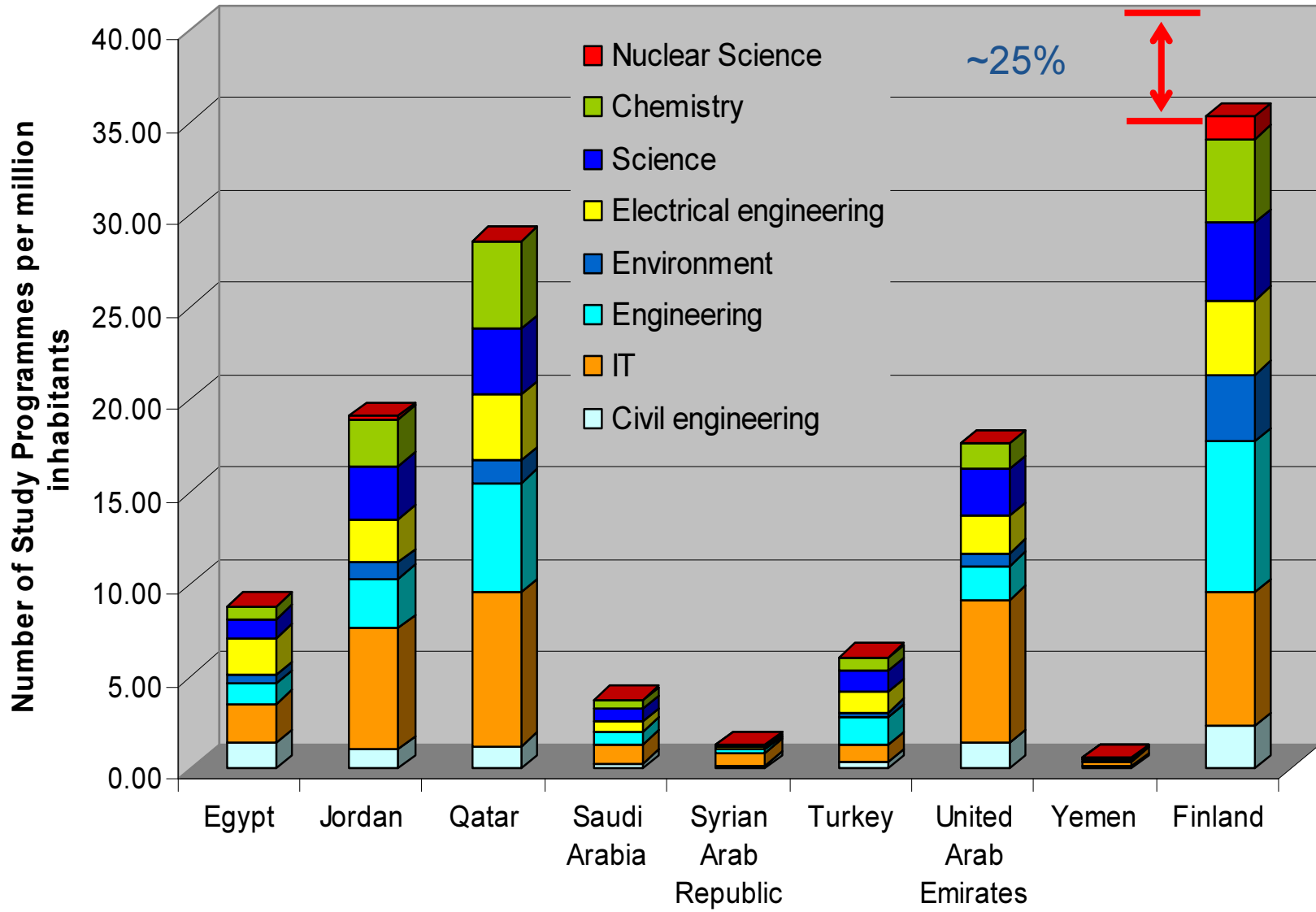
- ❖ OECD NEA is implementing a project aimed at reviewing the document “**Nuclear Education and Training – a Cause for Concern**” – update expected in 2011.
- ❖ European Commission has established a project: **European Observatory for Nuclear Human Resource, Education and Training**,
- ❖ US Initiatives(?)
- ❖ Possibility to be explored in the Latin American region through LA NENT under the ARCAL agreement.
- ❖ AFRICA(?)

# Middle East Analysis





# Benchmarking





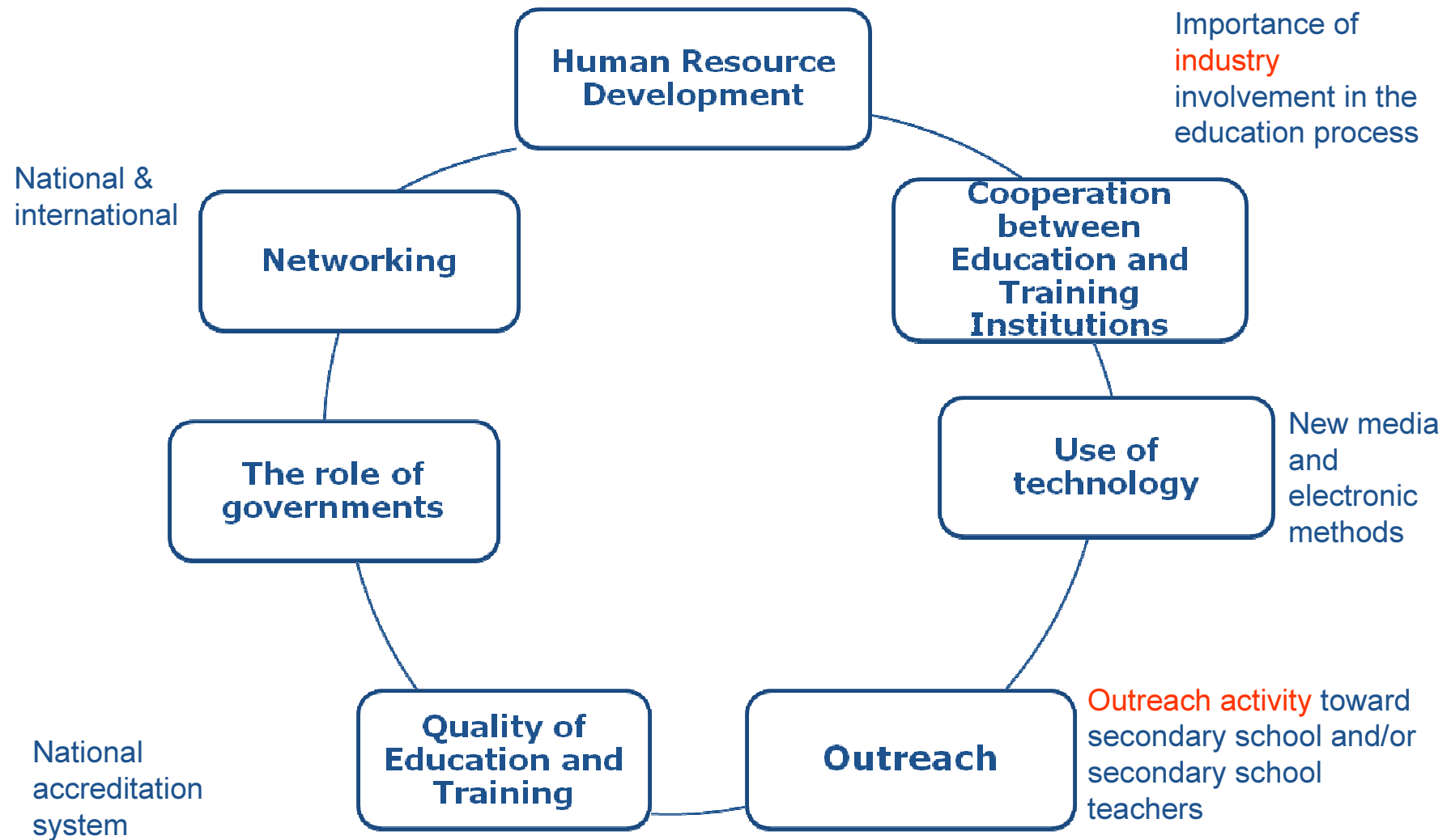
Thank you and see you soon!



[Y.Yanev@iaea.org](mailto:Y.Yanev@iaea.org)



# Integrated approach to education, training and human resource development



# Conclusions of the International Conference on Human Resource Development for Introducing and Expanding Nuclear Power Programs

*Abu Dhabi, United Arab Emirates  
14 – 18 March 2010*

