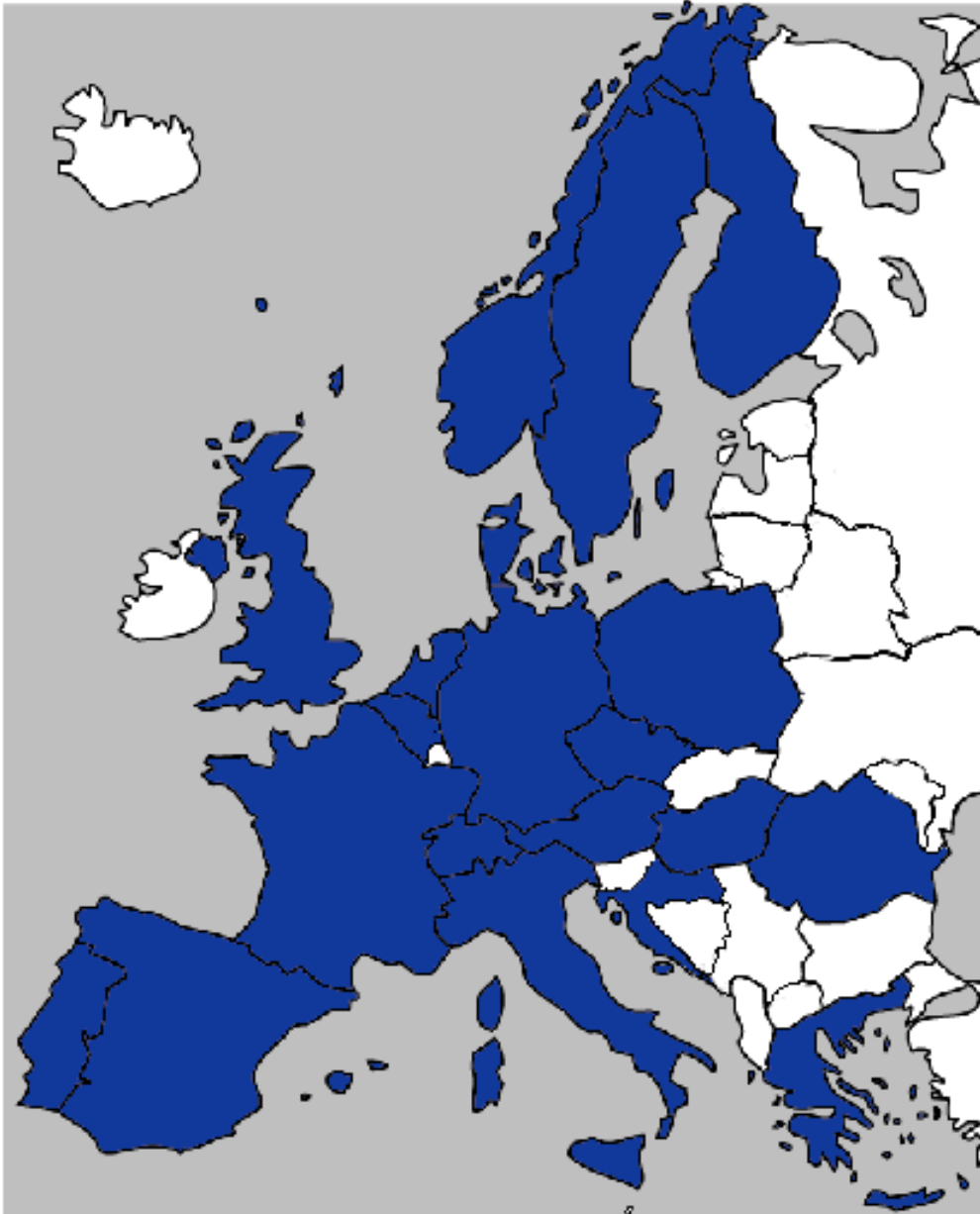


# Opening Remarks from

- What NuPECC is
- Publications
- Forward Looks
- Interactions
- New Projects
  - Radioactive Beam ISOL facility: EURISOL
  - High Intensity Stable Beam Facility: ECOS
  - Electron-Proton/Ion Collider

# What is

- Nuclear Physics European Collaboration Committee,  
ESF Expert Board
  - founded 1986 by subscribing national research councils, who nominate expert scientists as representatives for usually 3-6 years
- Objective of NuPECC:
  - “To strengthen European collaboration in nuclear science through the promotion of nuclear physics and its trans-disciplinary use and application in collaborative ventures between research groups within Europe and particularly those from countries linked to the ESF”



- **28** members from **20** countries
  - Chair: Brian Fulton (York)
  - Chair Elect: Günther Rosner (Glasgow)
  - 3 meetings a year in different countries

- Web: [www.nupecc.org](http://www.nupecc.org)
- Nuclear Physics News
  - 4 issues p.a., 6000 subscribers in Europe, North America & Japan
- Handbook of Facility Access
- Survey of Resources
- Topical Reports
  - E.g. EIC in 2009
- Long Range Plans !
- Outreach activities
  - Brochures
    - Radioactive Beams
    - Nature at the Femtoscale
  - PANS (Public Awareness of Nuclear Science)
    - [www.nupecc.org/pans](http://www.nupecc.org/pans)
  - NUPEX (Nuclear Physics Experience)
    - <http://www.nupex.org>

# Long Range Plan 2004



- Key sub-fields

- Hadron Physics

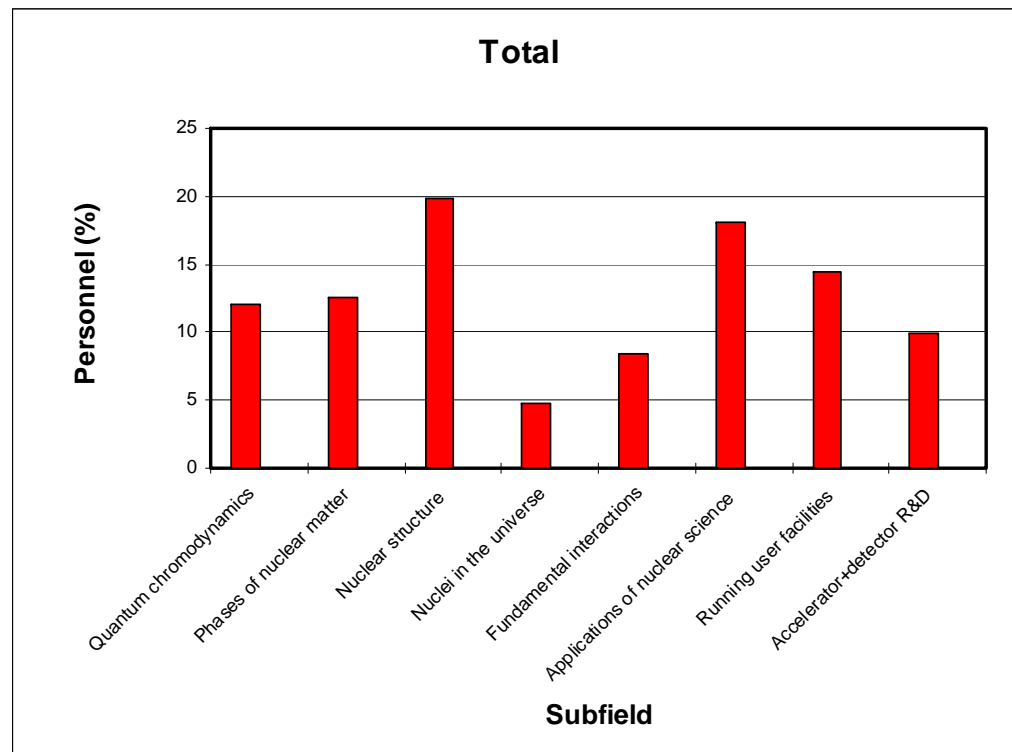
- Quantum Chromo Dynamics
- Phases of Nuclear Matter

- Nuclear Structure

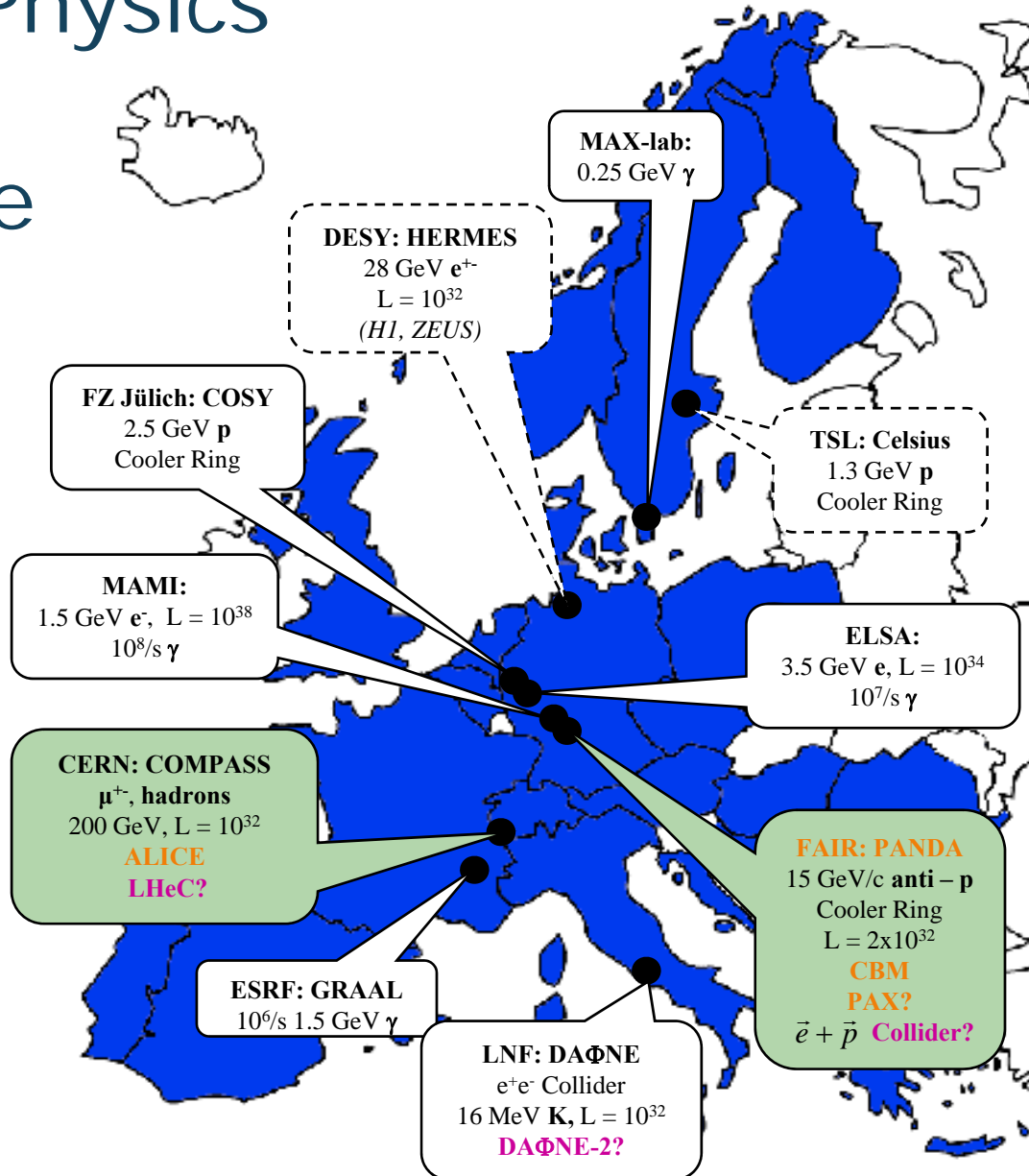
- Nuclei in the Universe

- Fundamental Interactions

- Applications of Nuclear Science



# Hadron Physics Facilities in Europe



# Interactions



- European Strategy Forum for Research Infrastructures
  - NuPECC Roadmap for Construction of Nuclear Physics Research Infrastructures in Europe (2005)
    - ESFRI Roadmap: **FAIR** in Darmstadt, **Spiral-2** in Caen
- European Commission
  - FP7 ERANET “NuPNET”
  - Integrated Infrastructure Initiatives, I3’s and IA’s
    - Nuclear Structure
      - FP6 “EURONS”, FP7 “ENSAR”
    - Hadron Physics
      - FP6 “HadronPhysics”, FP7 “HadronPhysics2”
- Nuclear Physics Board, EPS
- US DoE/NSF Nuclear Science Advisory Committee, NSAC
- IUPAP
  - C12
- OECD Global Science Forum
  - WG29

- Options
  - Europe
    - LHeC
    - $\vec{e} + \vec{p}$  Collider @ FAIR
  - USA
    - ELIC @ JLab
    - eRHIC @ BNL
- NuPECC working group
  - Tullio Bressani, Jens Jørgen Gaardhøje, G. Rosner (chair), H. Ströher
- Input to
  - NuPECC Report 2009
  - NuPECC's next Long Range Plan
    - Start preparation @ mtg. in Glasgow, Oct. 2008
    - Town meetings, working groups in 2009/10
    - Publication ~2010/11



Looking forward to working more closely with the Particle Physics community on this issue

Thank you very much for your attention