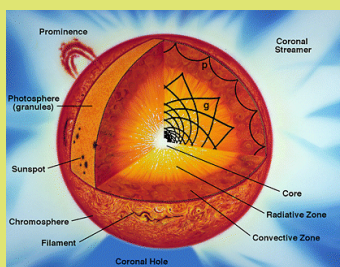


EUROPEAN SOLAR MAGNETISM NETWORK

Rob Rutten, Sterrekundig Instituut Utrecht

<http://esmn.astro.uu.nl>



WHAT? *EC Research Training Network for collaborative research in:*

- structure and dynamics of solar surface fields
- topology and evolution of solar active regions
- magnetic coupling between the solar interior, photosphere and outer atmosphere
- perfection of magnetometry instrumentation and methodology
- solar magnetometry through multi-telescope observing campaigns
- interpretation through numerical inversions and simulations

WHY? *To contribute understanding how solar magnetism:*

- is generated by enigmatic dynamo processes in the solar interior
- is organised into highly complex patterns of solar activity
- dominates the structure of the outer solar atmosphere
- regulates the solar wind
- affects the extended heliosphere

HOW? *Exploiting European telescopes on the Canary Islands and in space:*



WHO? *Partners:*

Sterrekundig Instituut Utrecht (NL, coordination) Instituto de Astrofísica de Canarias (ES)
Osservatorio Astronomico di Arcetri (IT) Institutt for Teoretisk Astrofysikk (NO)
Institute for Solar Physics (SE) Astrophysikalisches Institut Potsdam (DE)
Observatoire de Paris (FR) ESA Solar System Division (INT)
Astronomical Institute Ondřejov (CZ)
Astronomical Institute Tatranska Lomnica (SK)
Department of Astronomy Eötvös University (HU)

YOU? *Openings for young solar physicists:*

- vacancies: 30-month postdoc position at each EU partner
- timing: from October 1, 2002 until September 30, 2006
- conditions: PhD, non-native EU national, below 35 years
- application: email to R.J.Rutten@astro.uu.nl