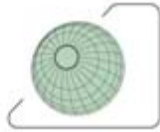


ESSEM

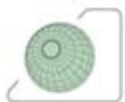


COST- European Cooperation in Science and Technology and COST Action 726:

« Long term changes and climatology of UV radiation over Europe »



Dr. Carine Petit
Senior Science Officer
Warsaw, 13 May 2009



The COST mission

COST - European **CO**operation in **Science** and **T**echnology research was the first and is the widest European network for the **coordination of nationally funded** research activities

Strengthen Europe in scientific and technical research for peaceful purposes through the support of cooperation and interaction between European researchers

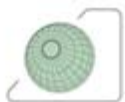
COST is based on an intergovernmental framework for cooperation agreed following a Ministerial Conference in 1971

COST does not fund research, but networking activities!

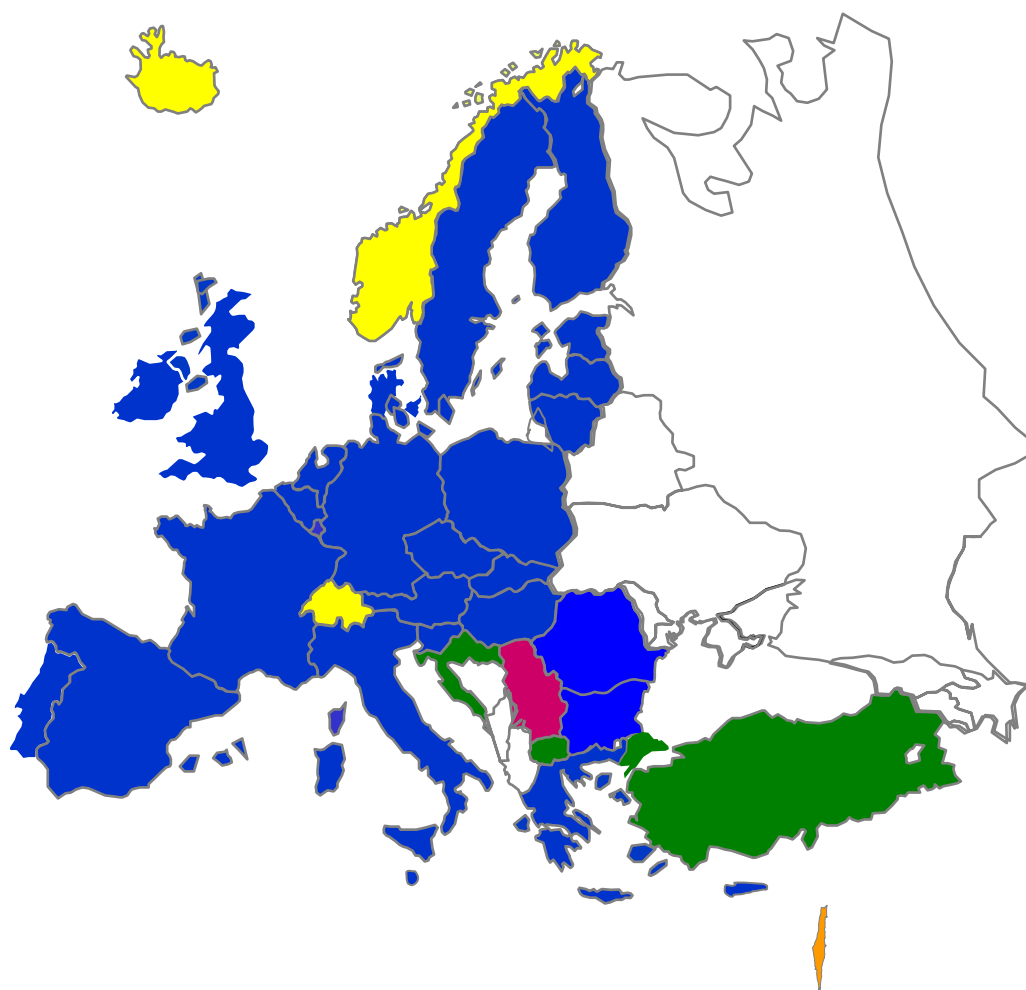


Characteristics COST Actions

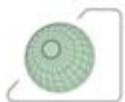
- Co-ordination of EU research through networking
- **Pan-European**
- **Multi-disciplinary** (pre-normative)
- Responsibility of countries for financing the researchers
- **“Bottom-up”** – no fixed programme/priorities
- **Flexible participation** – any country can join at anytime
- Open to companies, Administrations, European organisations, International organisations based in Europe
- Focus on young researchers



COST Countries



- ◆ The 27 EU Member States
- ◆ EFTA Member States
 - ▶ Iceland
 - ▶ Norway
 - ▶ Switzerland
- ◆ Acceding & Candidate Countries
 - ▶ Croatia
 - ▶ FYR of Macedonia (FYROM)
 - ▶ Turkey
- ◆ Potential Candidate Countries
 - ▶ Republic of Serbia
- ◆ COST Co-operating States
 - ▶ Israel

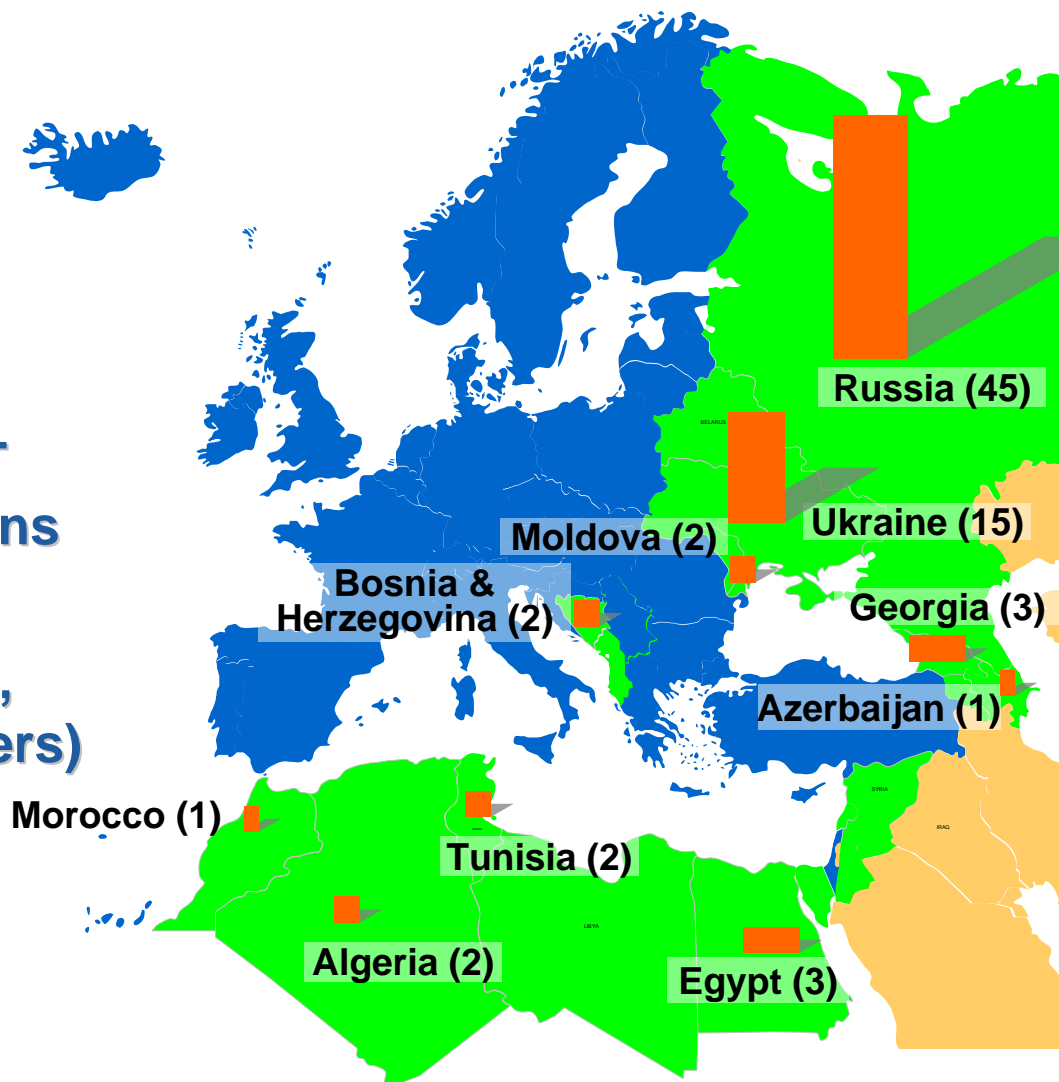


COST and the Neighbouring Countries

● COST countries

● COST neighbouring countries

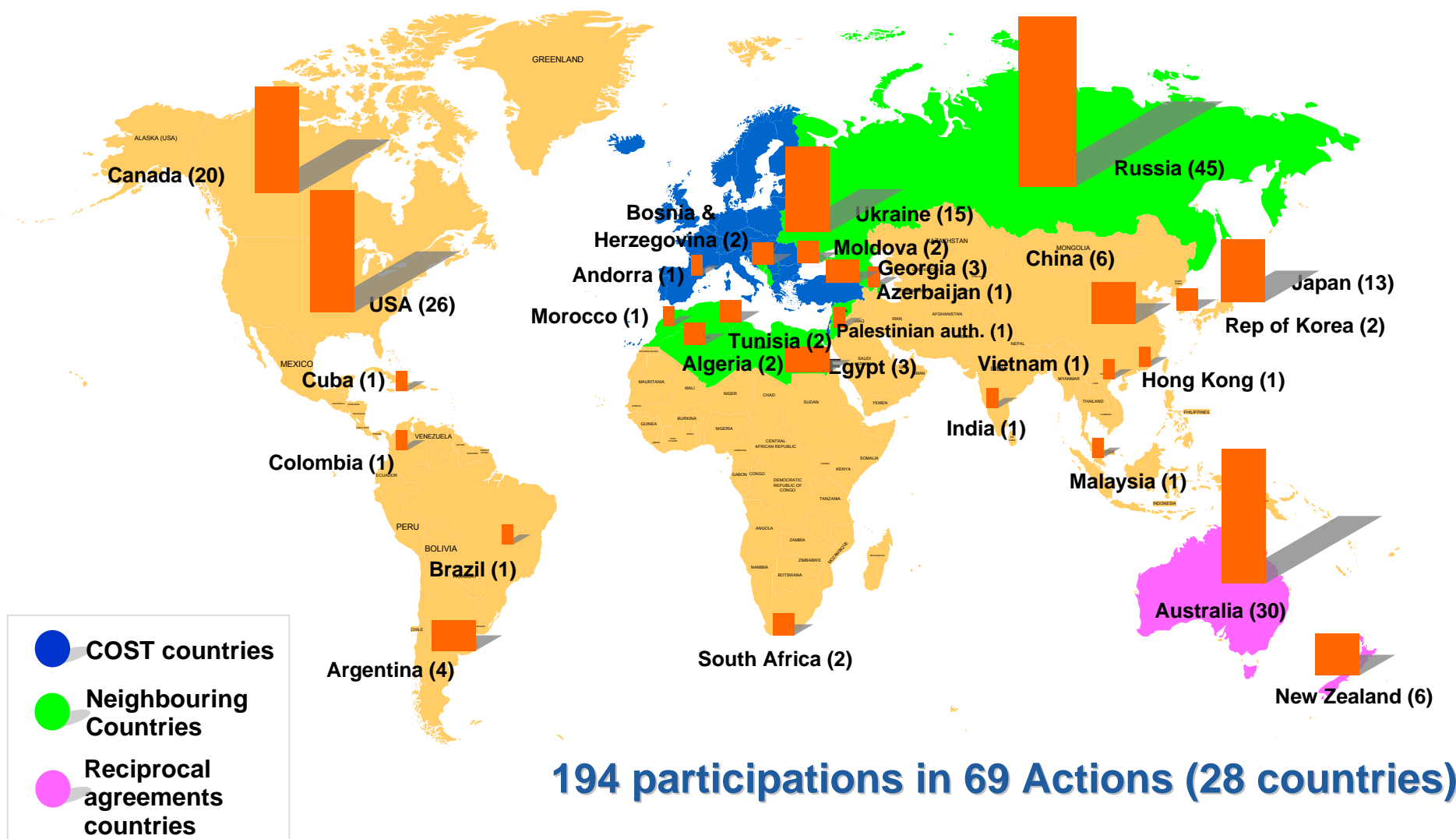
- Special budget line in the COST system to facilitate collaborations
- Specific exchange activities (Short Term Scientific Missions, focus on Early Stage Researchers)



76 participations in 36 Actions



COST Actions: global participation (May 2008)

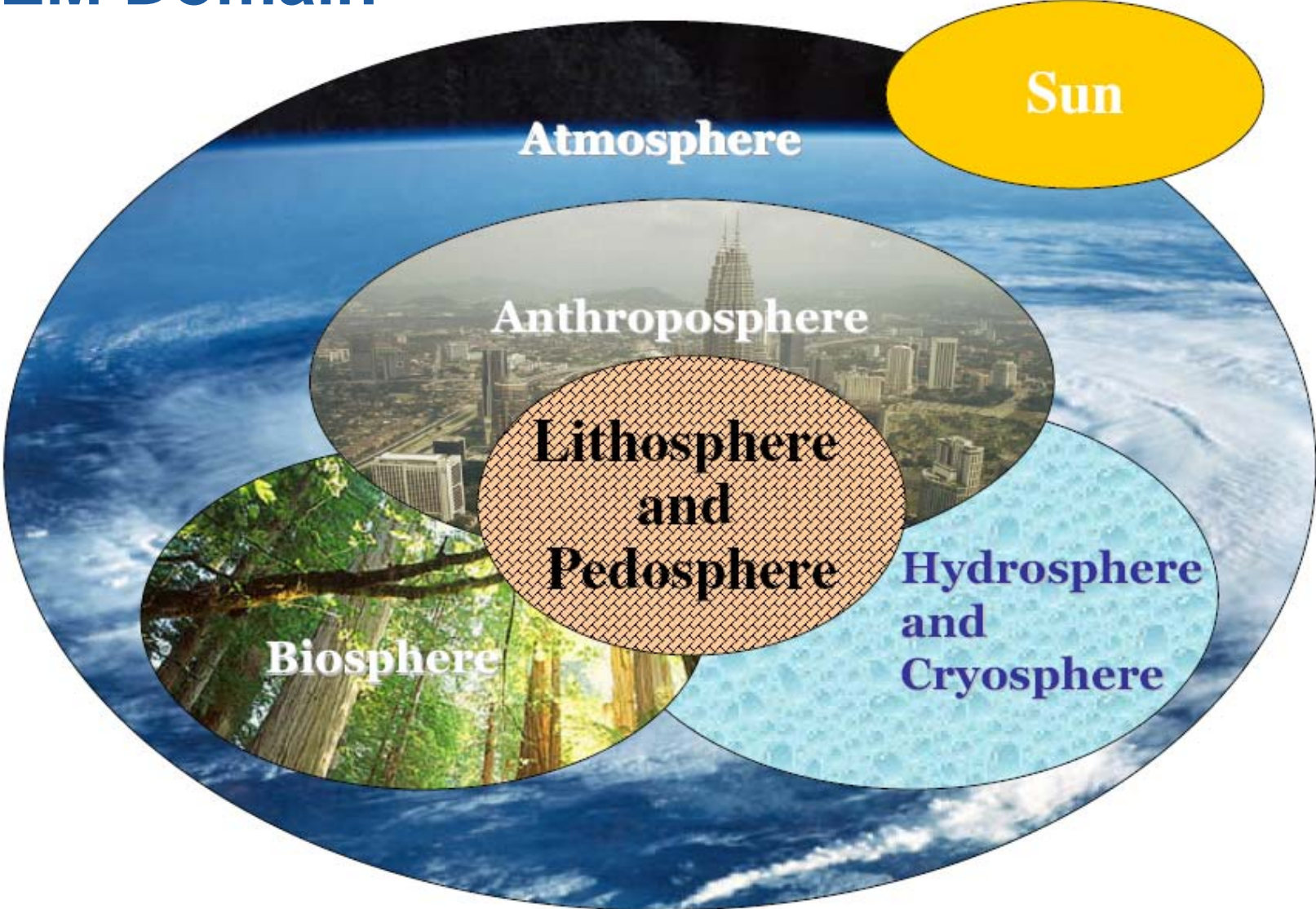




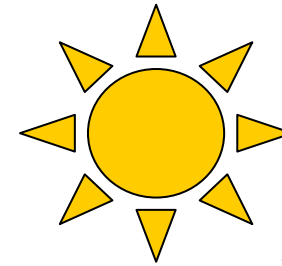
A network of ~30.000 researchers involved in 9 COST Research Domains

- Biomedecine & Molecular Biosciences
- Food & Agriculture
- Forests, their Products & Services
- Materials, Physical & Nanosciences
- Chemistry, Molecular Sciences & Technologies
- **Earth System Sciences & Environmental Management (ESSEM): 28 Actions + 3 new Actions to be launched**
- Information & Communication Technologies
- Transport & Urban Development
- Individuals, Society, Culture & Health
- **Trans-Disciplinary**

ESSEM Domain

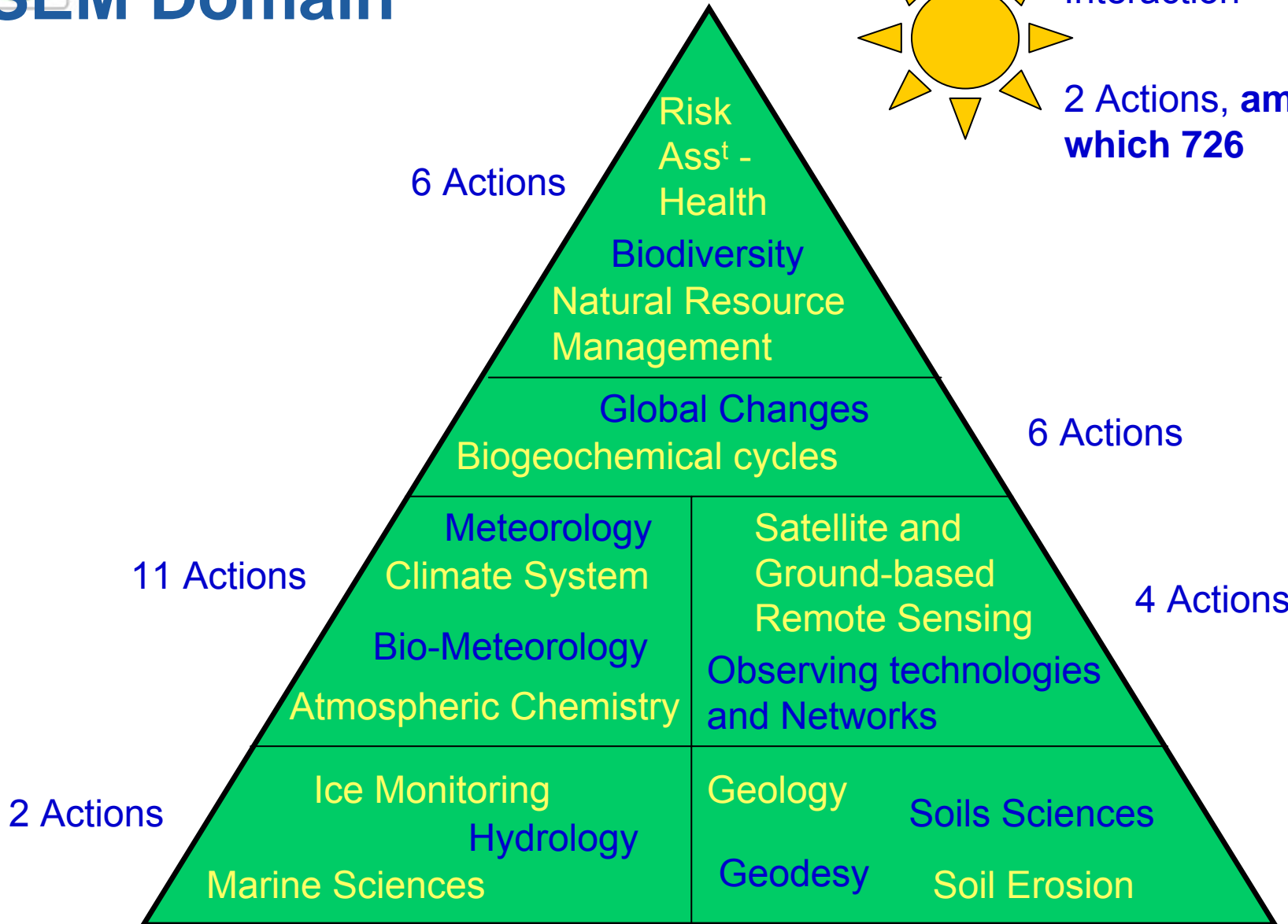


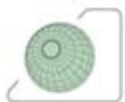
ESSEM Domain



Sun-Earth Interaction

2 Actions, among which 726





What is funded by COST?

- **COST Actions:** Researchers from min. 5 participating COST countries having a joint work programme can be financed for:

- **Science management meetings**
- **Scientific workshops, seminars, research conferences**
- **Short Term Scientific Missions (STSMs)**
- **Training Schools**
- **Dissemination**
- *Average funding ~100 k€ per year per Action during 4 years*

- **Exploratory/Strategic Workshops:** to explore future scientific or societal needs, support policy developments or initiate new activities



COST Action 726: Long term changes and climatology of UV radiation over Europe

- Start Date 29/03/2004
- End Date 28/03/2009 (+ 3 months)
- Signatories to MOU 22 COST countries
- Non-COST institutions 2 from Russia
- Rapporteur Prof. Michal Marek
- External experts for Final Evaluation
 - Dr. Vitali Fioletov from Environment Canada
 - Dr. Janeoslav Roznovsky from Czech Meteorological Institute

Geographical impact of COST 726

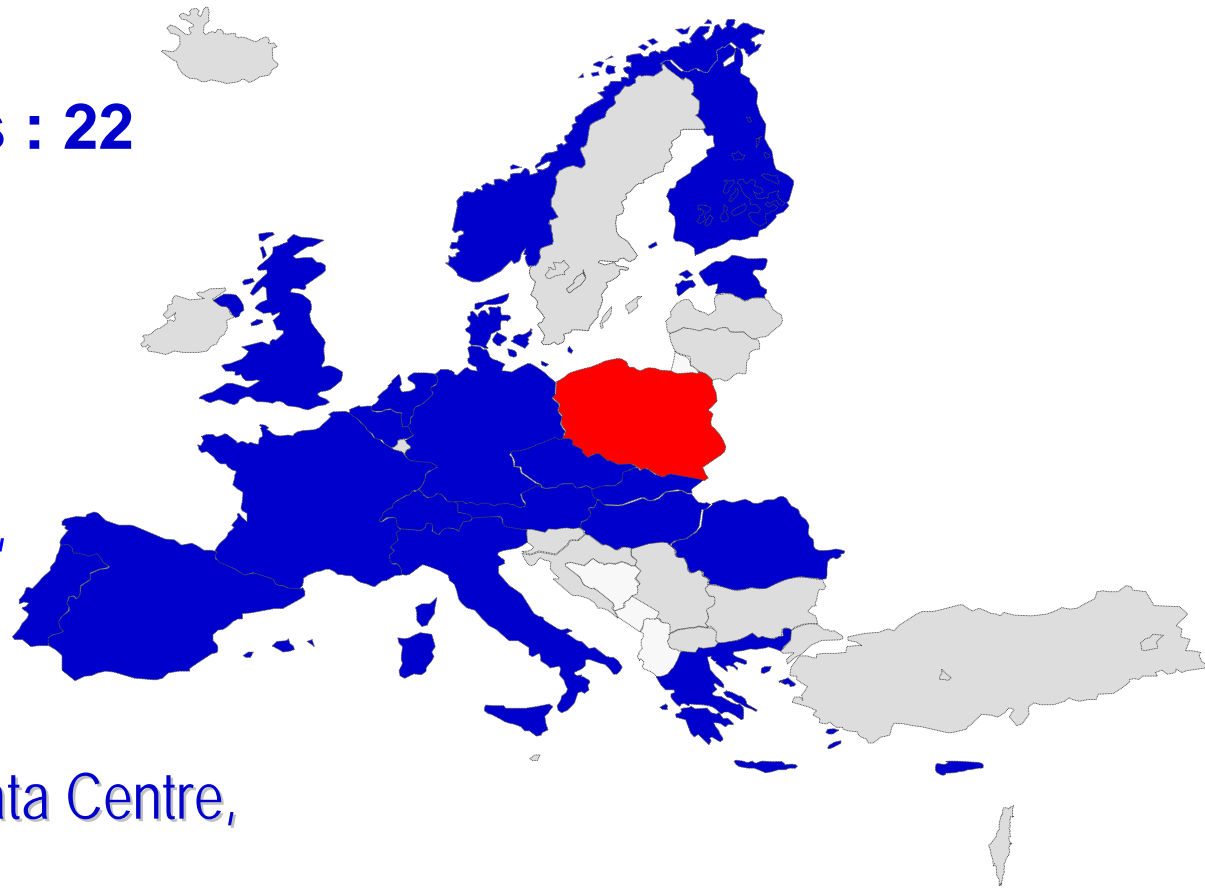
COST Countries : 22

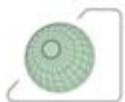
Chair : **PL**

AT, BE, CY, CZ, DK,
EE, FI, FR, DE, GR,
HU, IT, NL, NO, PT,
RO, SK, ES, SE, CH,
UK

Non-COST:

- World Radiation Data Centre,
St Petersburg (RU)
- Moscow State University,
Faculty of Geography (RU)





COST 726: Working Groups and Activities

- **4 Working Groups:**
 - **WG1: Data collection**
 - **WG2: UV Modelling**
 - **WG3: Requirements for biological UV effects**
 - **WG4: Quality control**
- **Total budget 2004-2009: 406 250 €**
- **Minimum 16 meetings (no data for 2004)**
- **8 workshop supports to local organisers**
- **14 short-term scientific mission (STSMs)**
- **2 training schools**



– **2006 | Action Number: 726**

A Practical Guide to Operating Broadband Instruments Measuring Erythemally Weighted Irradiance, Pages: 21

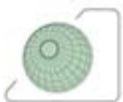
- Author(s): A. Webb, J. Grobner, M. Blumthaler
- Publisher(s): OPOCE
- ISBN: 978-92-898-0032-7
- EUR: 22595
- Produced by the joint efforts of WMO SAG UV and Working Group 4 of COST-726 Action "Long Term Changes and Climatology of UV Radiation over Europe".

– **2008 | Action Number: 726**

Modelling Solar UV Radiation in the Past: Comparison of Algorithms and Input Data, Pages: 95

- Author(s): P. Koepke, H. De Backer, A. Bais, A. Curylo et al.
- Publisher(s): Office for Official Publications of the European Communities
- <http://bookshop.europa.eu/uri?target=EUB:NOTICE:QSNA23338:EN:HTML>
- ISBN: 978-92-898-0043-3
- EUR: 23338

ESSEM



- **2009 | Action Number: 726**
Report of the PMOD/WRC-COST Calibration and Intercomparison of Erythemal Radiometers, Pages: 109
 - Author(s): Julian Gröbner
 - Publisher(s): PMOD-WRC

- ***In the pipeline: “Report of the “El Arenosillo”/INTA-COST calibration and intercomparison campaign of UVER broadband radiometers “El Arenosillo”, Huelva, Spain, 15 August – 21 September 2007” with an external publisher***

Congratulations for the results!



The “Open Call” Scheme

- Two collection dates per year
- Next Collection Date for preliminary proposals:

25 Sept. 2009 and 26 March 2010

- “Open Call” = Thematically open
- Transparent 2-stage process / peer reviewed

Spin-off pre-proposal under assessment: « Quantification of Human UV Radiation Exposure » (OC of 27 March 2009)

- Selection criteria are public
- Successful COST Actions proposals can expect to start activities within 9 months after the collection date

http://www.cost.esf.org/participate/open_call

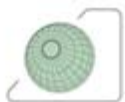


How to join an on-going COST Action?

- Visiting the website:

http://www.cost.esf.org/participate/join_action

- Contacting the Science Officer of the Domain, for ESSEM:
 - Dr Lucia Forzi, lforzi@cost.esf.org
 - Dr Carine Petit, cpetit@cost.esf.org



cost

www.cost.esf.org