



EUROPEAN
SCIENCE
FOUNDATION
SETTING SCIENCE AGENDAS FOR EUROPE

Europe Needs Science

We provide a common platform for our Member Organisations (MOs) in order to:

- **Advance European research**
- **Explore new directions for research at the European level**

Through our activities, we serve the needs of the European research community in a global context.

Science Needs Europe



- 78 Member Organisations in 30 countries, beyond the European Union
- Research funding organisations
- Research performing organisations
- Academies

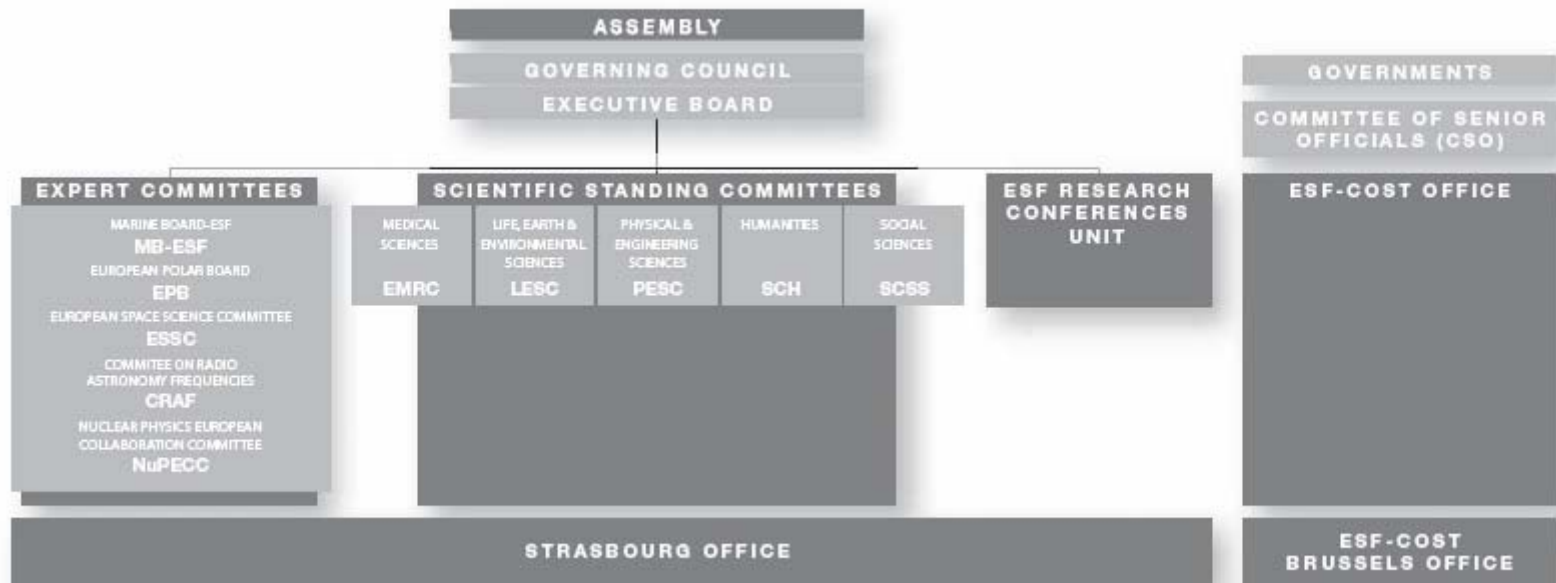
ESF in ERA

- Securing a place in an ERA (European Research Area) that is changing and evolving rapidly is a key challenge
- ESF will play a complementary role to the European Research Council (ERC) by focusing on MO co-ordination
- A strengthened focus on researcher-led science will further enhance ESF's place in the ERA

Three decades of science

- Established 1974
- Independent, non-governmental
- Offices in Strasbourg and Brussels
- Budget: 41M€
- Networking Budget: 3B€

Organisation



Scientific Domains

- Physical and Engineering Sciences
- Life, Earth and Environmental Sciences
- Medical Sciences
- Humanities
- Social Sciences
- Space Sciences
- Marine Science
- Polar Science

New Strategic Plan



Our pillars

- Science Strategy
- Science Synergy
- Science Management

Science Strategy

Foresight and Advice

- Forward Looks
- Member Organisations Fora
- Exploratory Workshops
- Policy Briefings

Forward Looks

- Medium - long term scientific perspectives
- Multidisciplinary topics viewed from a European level
- Brings together scientists and policy makers from ESF Member Organisations
- Wide consultation
- Major reports and action plans should result

MO Fora

- Output oriented, issue related venues of MOs, involving others as appropriate to develop joint actions
- Actions: to benefit MOs strategy development and/or lead to the development of
 - Best practices
 - Common procedures
 - Cooperative activities
- Time limited activities (one year)

Exploratory Workshops

- Normally one-off specialist meetings
- 'Spearheading' topics
- 'Bottom-up' through Open Call
- Occasionally 'top-down' on key topics
- May lead to ESF or other *à la carte* programmes; FP proposals; position statements
- 25-30 scientists involved

Policy briefings

- Address selected science policy issues of key concern to the Foundation's Member Organisations and the wider scientific community
- By drawing on the advice and expertise of the ESF's membership, the briefings aim both to provide information and to promote discussion

Science Synergy

Cooperation with MOs

- ESF Research Networking Programmes
- ESF Research Conferences
- EUROCORES – European Collaborative Research

Research Networking Programmes

- Coordination of major scientific endeavours over a five-year period
- Supported by ESF Member Organisations through additional *à la carte* funding
- Typically include workshops, inter-laboratory exchanges, fellowship programmes and dissemination
- 'Core' Steering Group of 8-12 scientists
- May link to other initiatives, including the Framework Programme
- Financing in the range of €90k - €250k per annum

EUROCORES

(European Collaborative Research)

- To provide European critical mass in specific topics
- To develop multilateral funding collaboration
- Open and transparent variable geometry
- International peer review essential
- Funding remains national but 'networked'

Research Conferences

- High profile framework for scientific discussion on frontline topics
- Bring together younger and established leaders
- Partnerships with others in Europe
- ESF World Conferences: Japan, US, China, International Partners
- 100-200 participants
- Limited number of attractive venues

Science Management

Implementation of Activities

- EURYI - European Young Investigator Awards
- European CO-operation in the Field of Scientific and Technical Research (COST)
- EuroBioFund

European Young Investigator Awards (EURYI)

- EUROHORCs and ESF initiative
- Aim: To attract to Europe outstanding young researchers from all over the world – “brain gain”
- Opportunity to create independently their own lab
- Awards up to 250000€/yr-5 years
- In all disciplines including humanities
- First awards 2004. Aim of 5 Calls
- Fourth Call for 2007 awards (current)

COST

European COoperation in the field of Scientific and Technical research

- Origin:
 - Started 1971: Ministerial Conference,
 - 19 Member States
- Current Participation:
 - 2006: 34 COST Member States + 1 cooperating state (Israel)
- COST Actions:
 - Concerted Actions (Networks) of nationally funded R&D projects

ESF + COST leading to a One-Stop Shop for research networking

EuroBioFund

New strategic initiative to enable greater Interaction among European life sciences Funders and researchers. Objectives:

- Provide a platform for funding organisations and life science researchers to foster joint research initiatives through networking and brokerage: **EuroBioForum**
- Help organise research communities and facilitate bottom-up generation of research programmes of European scale and scope: **EuroBioGenerator**
- Shape a new funding way in Europe by helping to develop joint investments and funding of life sciences research: **EuroBioAccess**

PESC

- **Forward Looks:**
currently 2
- **Exploratory workshops:**
annual ESF Call in March covering all scientific areas - 13 workshops funded by PESC in 2006
- **Research Networking programmes:**
currently 25
- **EUROCORES:**
currently 4 running
currently 1 in development

www.esf.org/pesc

PESC

Standing Committee for Physical and Engineering Sciences (PESC)

European Science Foundation

1 quai Lezay-Marnésia

BP90015

67080 Strasbourg cedex

France

Email: pesce@esf.org

www.esf.org/pesc



EUROPEAN
SCIENCE
FOUNDATION
SETTING SCIENCE AGENDAS FOR EUROPE

Excellence Openness
Responsiveness Pan-European
Ethical awareness and human values