

Science policy, Clusters and projects

SUMANOS Sustainable management of the North Sea

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23/11/2006

Belgium: a Federal state

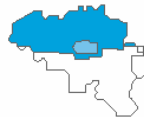
BELGIUM

THE FEDERAL STATE



THE COMMUNITIES

THE FLEMISH COMMUNITY



THE FRENCH COMMUNITY



THE GERMAN-SPEAKING COMMUNITY



THE REGIONS

THE FLEMISH REGION



THE BRUSSELS-CAPITAL REGION



THE WALLON REGION



Science policy in Belgium

defined by: special constitutional reform act

Regions and Communities primary jurisdiction

Communities:

research related to education, culture and individual matters (health policy, personal assistance - family, youth, elderly,...)

Regions:

research related to economy, energy policy (exception nuclear), transport, public works, environment,...

Federal authorities:

research necessary to perform federal competences (national and international)
research necessary to support mixed competences (co-operation agreement necessary)

Belgian Science Policy (BELSPO)

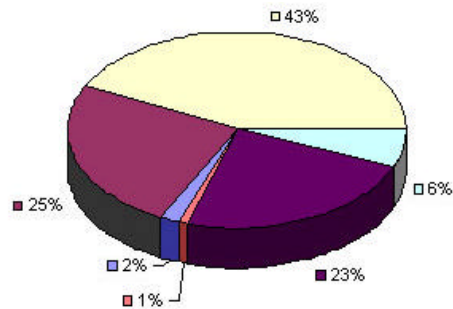
Belgian Federal Public Planning Service Science Policy

Missions and activities

- preparation, execution and evaluation of science policy and its extensions
- in particular, on Belgian Government instructions, implementation of scientific and technical means in support of Federal Authority competences
- development of a permanent knowledge resource within scientific and technical spheres at the service of the Federal Authority
- support to the 10 Federal Scientific Institutions under control of the Belgian Science Policy, and also to the STIS and Belnet, for the administrative, financial and material management, the coordination and valorization of research activities and activities as scientific public service
- the question of the cultural goods of the Jewish Community plundered during the war.

BELSPO - Budget

Budget 2004: 412 M€



Research programme: Second scientific support plan for a sustainable development policy (SPSD-II) (2000 – 2006)

- Total budget of the programme: 58 M€
- Duration of projects : 2 - 4 years
- 3 parts :
 - “Sustainable production and consumption patterns”
 - “Global change, ecosystems and biodiversity”
 - “Support actions”

Objectives of SPSD-II

- To develop the scientific potential in various strategically important areas
- To clarify the highly complex concept of sustainable development
- To provide scientific support (data, tools...) to the development, implementation and evaluation of SD policy
- To enable the integration of Belgian scientists in international research programmes and networks

Communication between researchers, decision-makers and society

- Programme Committee (Cooperation Agreement with Regions and Communities)
- Project Committee (civil servants, scientists, NGO'S, private sector...)
- Clusters
- Specific valorisation activities
- (Bilateral)

What are clusters?

- **Management instruments for the execution of the programme**
- **Grouping of research projects around a common theme**
- **Central: communication and dialogue with all concerned target groups**

Cluster activities

- **Rationalisation of tasks, exchange of data, results and all kind of information...**
- **Comparison and/or harmonisation of disciplinary approaches, methods and hypotheses**
- **Common valorisation of research (brochures, websites...)**
- **Organisation of thematic workshops**

Cluster activities (2)

- **Integrated answers to questions of the political world, or integrated advises from the scientific world**
- **Identification of research needs for future programmes**
- **Drawing up of (integrated) synthesis reports**
- **...**

Implementation of Clusters

- **2 calls (june 2003 and july 2004)**
- **17 financed clusters (5 marine)**
- **Budget : 1,2 M€**
- **Max budget per cluster 75.000 €**

Financed Marine clusters

- **SUMANOS**

- **Coordinator: F. Maes (UGent)**

- **Projects:**

- Balancing impacts of human activities in the Belgian part of the North Sea (BALANS)
 - Towards a spatial structure plan for sustainable management of the sea (GAUFRE)
 - Management research and budgeting of aggregates in shelf seas related to end-users (MAREBASSE)
 - Higher trophic levels in the Southern North Sea (TROPHOS)

- **Eutrofication**

- **Coordinator : C. Lancelot (ULB)**

- **Projects:**

- Advanced modelling and research on eutrophication linking eutrophication and biological resources (AMORE II)
 - Silica retention in the Scheldt continuum and its impact on coastal eutrophication (SISCO)
 - Biogeochemical carbon, nitrogen and phosphorus fluxes in the North Sea (CANOPY)

Financed Marine clusters (2)

- **“Marine incidents manangement cluster” - MIMAC**

- **Coordinator : D. Leroy (ECOLAS)**

- **Projects:**

- Risk analysis of marine activities in the Belgian Part of the North Sea (RAMA)
 - Development of an integrated database for the management of accidental spills (DIMAS)

- **SOLAS.be**

- **Coordinator : C. Lancelot (ULB)**

- **Projects:**

- Advanced modelling and research on eutrophication linking eutrophication and biological resources (AMORE II)
 - Biogeochemical carbon, nitrogen and phosphorus fluxes in the North Sea (CANOPY)
 - Assessing the sensitivity of the Southern Ocean's biological carbon pump to climate change (BELCANTO II)
 - Role of oceanic production and dissolution of calcium carbonate in climate change (CCCC)
 - Modelling the evolution of climate and sea level over the third millennium (MILMO)
 - (SIBLIM and NOCES)

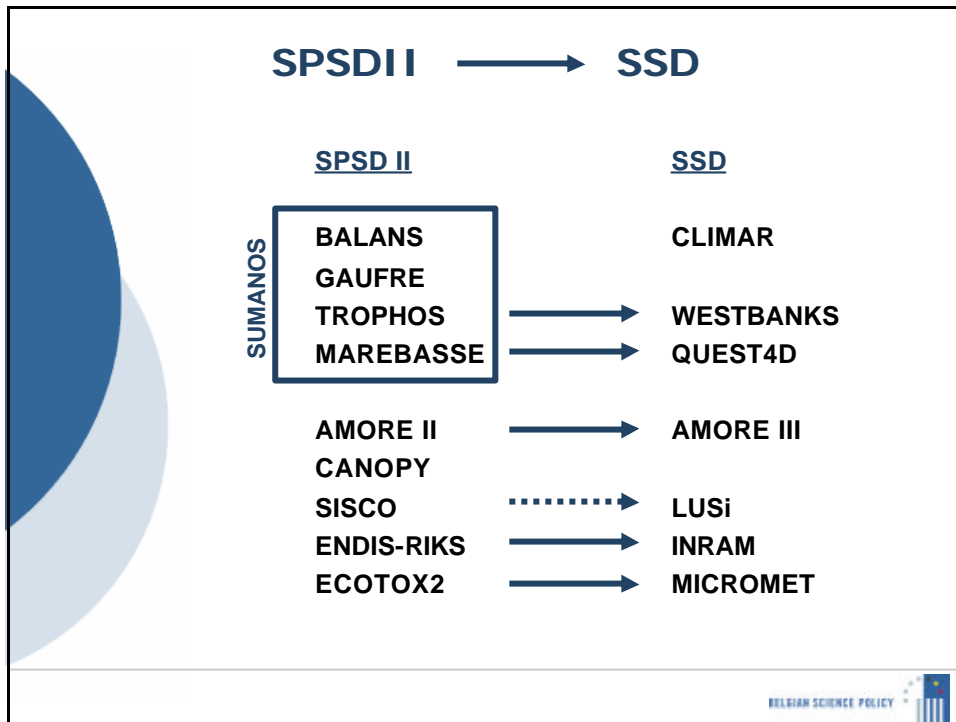
Financed Marine clusters (3)

- **“An information and Communication technologies (ICT)-based course in Earth Observation with emphasis on Imaging Spectroscopy and including hands-on applications” – Hyperteach**
 - Coordinator : W. Debruyne (VITO)
 - Projects from STEREO and SPSD II

Future

Science for a sustainable development (SSD) (2005-2010)

- **Approved by council of Ministers 4 march 2005**
- **Same objectives as SPSD-II**
- **2nd call begin 2006 (North Sea ecosystems and biodiversity)**
- **7 North Sea projects funded**
- **Start of projects 2007 for 2 or 4 years (2 + 2)**



- ## SUMANOS II?
- 1st call for clusters begin of 2007
 - clusters will run parallel with the SSD projects
 - Call budget : 500.000 €(+/- 6-7 clusters)
- BELGIAN SCIENCE POLICY 