

Theme 6: Environment (including climate change) & Sustainable development

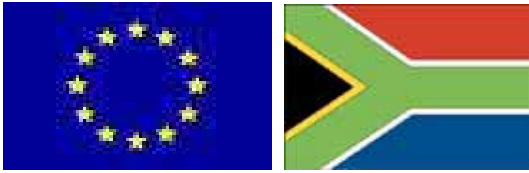
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"Sustainable Development"
Directorate I: Environment

<http://ec.europa.eu/research/sd/>

EC-ZA
7th JOINT SCIENCE AND
TECHNOLOGY COOPERATION
COMMITTEE MEETING
Pretoria, 5-6 May 2008

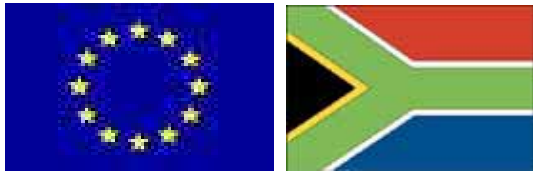




Plan

- Theme 6: Environment (including climate change)
 - Review of current state of cooperation
 - New priority areas for cooperation
 - Targeted initiatives
- Sustainable development's perspective in FP7.

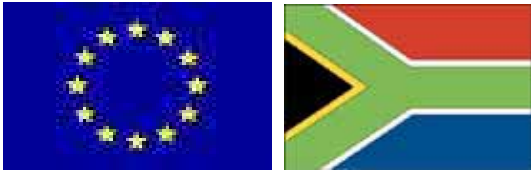




South Africa participation in FP6 projects of sub-priority “Global change and ecosystems”

- ✓ **23 funded projects** with **28 participations** from South Africa
(eg. University of Cape Town, University of Kwazulu-natal, Institute of Natural Resources, Council for Scientific and Industrial Research, Water Research Commission, Silva Forest Services, Chris Swartz Water Utilization Engineers,...)
- ✓ EU contribution: **€ 2million**
- ✓ **Research areas:** water (60%), climate change (13%), natural hazards (10%), biodiversity (8%), oceans (4%), GEO (3%), environment and health (1,5%).

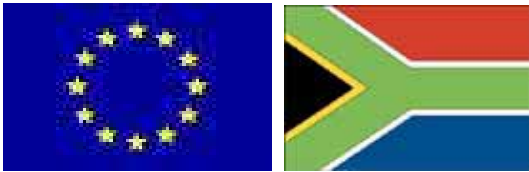




Wide coverage of partnerships

- 12 different nationalities of coordinators
- Partnerships covering all 5 continents
- Use of all available funding schemes



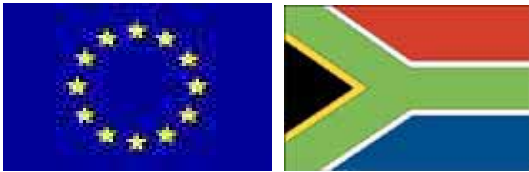


FP7 2007-2013 'Cooperation' budget

I. Cooperation	Budget (€million, current prices)
1. Health	6 100
2. Food, Agriculture and Fisheries, and Biotechnology	1 935
3. Information and Communication Technologies	9 050
4. Nanosciences, Nanotechnologies, Materials and new Production Technologies	3 475
5. Energy	2 350
6. Environment (including Climate Change)	1 890
7. Transport (including Aeronautics)	4 160
8. Socioeconomic Sciences and the Humanities	623
9. Space	1 430
10. Security	1 400
Total*	32 413

* Not including the Fusion (1 947) and Fission and radiation protection (287) Themes in Euratom (2007 – 2011)





Theme 6: Environment (including Climate Change)

1. Climate change, pollution and risks

1. Pressures on climate change
2. Environment and health
3. Natural hazards

3. Environmental Technologies

1. Environmental Technologies
2. Cultural heritage
3. Technological assessment

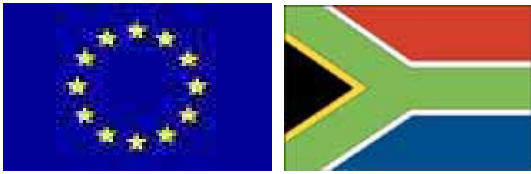
2. Sustainable management of resources

1. Natural resources & biodiversity
2. Marine environment

4. Earth observation & assessment tools

1. Observation systems and monitoring methods (GEO)
2. Assessment tools





South Africa's participation in FP7 projects of Theme 6: "Environment (including climate change)"

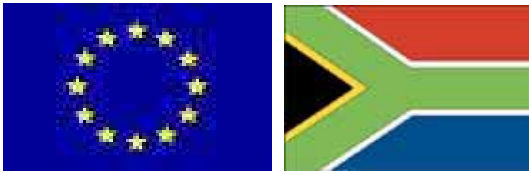
✓ **First call for proposals (WP07)**

- 5 partners from South Africa in 4 proposals under negotiation for funding. Requested amount: €750.000
- Topics: GEO (53%), biodiversity (47%)
- LiveDiverse: SA partner second most important partner after coordinator

✓ **Second call for proposals (WP08)**

- Published: 30 November 2007
- Evaluation results being processed.



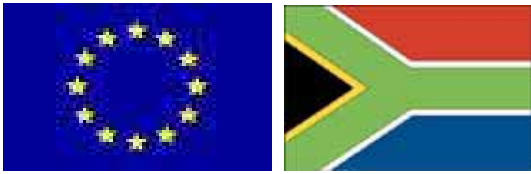


Planned activities

1. WP09

- a) To be published in July 2008 (tbc), deadline January 2009
- b) Indicatively, reference to the following potential topics that may be addressed to Africa:
 - i. Climate change predictions in sub-Saharan Africa
 - ii. Impacts on health of climate change and water in developing countries
 - iii. Capacity building for GEO in developing countries



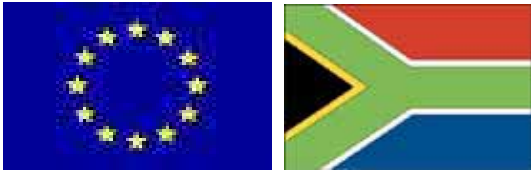


Planned activities

(continued)

- 2. Bi-regional EU-Africa workshop**
(Autumn 2008) in order to transform policy orientations into work programme topics of mutual interest
- 3. Mapping of excellence and research needs** of the country as regards cooperation with the EU
- 4. GEO initiatives**
 - a) Sustained political cooperation for leading GEO
 - b) FP calls for proposals will remain open to South African participants. DevCoCast – an example of collaboration at project level.

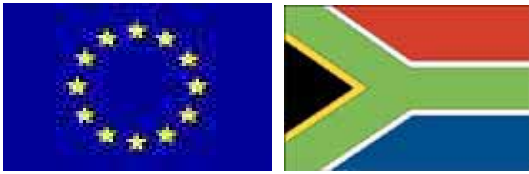




South Africa is a priority partner

- South Africa is a priority partner for environmental research, and a strategic partner for GEO.
- It has the scientific excellence and capacity to be a partner in almost any proposal in our work programme either in the "opening" part or in SICAs.
- South Africa, with its regional leadership, has a catalytic effect for Africa





June 2006

EU SDS

7 key challenges

- Climate change and clean energy
- Sustainable transport
- Sustainable consumption and production
- Conservation and mgt of natural resources
- Public health
- Social inclusion, demography and migration
- Global poverty and SD challenges

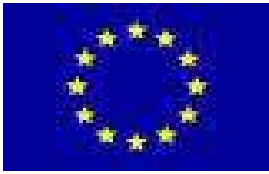
December 2006

FP7

10 Themes

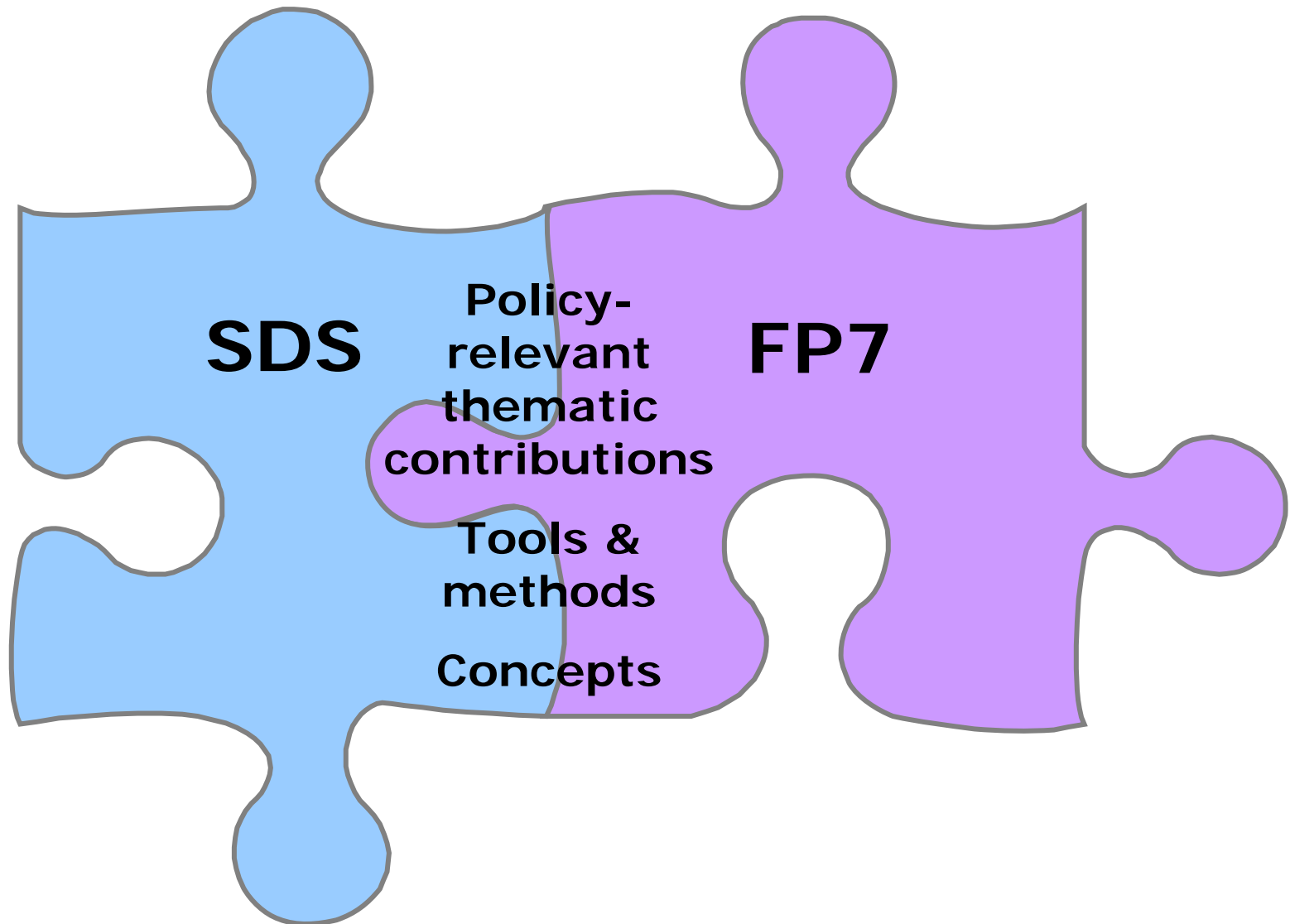
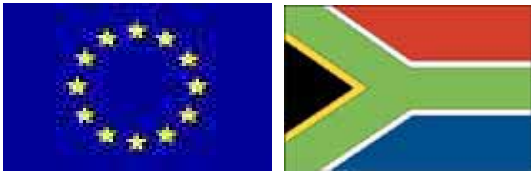
- Health
- Food, agriculture and fisheries, and biotechnology
- ICT
- Nano
- Energy
- Environment (incl. Climate Change)
- Transport (incl. Aeronautics)
- Socio-economic sciences and the humanities
- Space
- Security

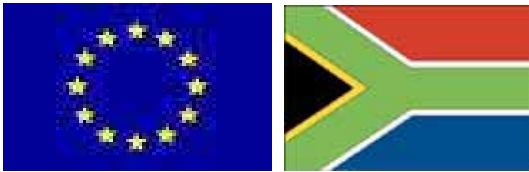




Cross-reading of EU SDS and FP7

Themes (FP) vs Key challenges (SDS)	1	2	3	4	5	6	7
1. Health					x	x	x
2. Food, agriculture and fisheries, and biotechnology	x		x	x	x		
3. Information and communication technologies			x				
4. Nanosciences, nanotechnologies, materials and new production technologies			x	x			
5. Energy	x		x				
6. Environment (incl. Climate change)	x		x	x	x		
7. Transport (incl. Aeronautics)		x	x				
8. Socio-economic sciences and the humanities	x	x	x		x	x	x
9. Space				x	x		x
10. Security						x	x





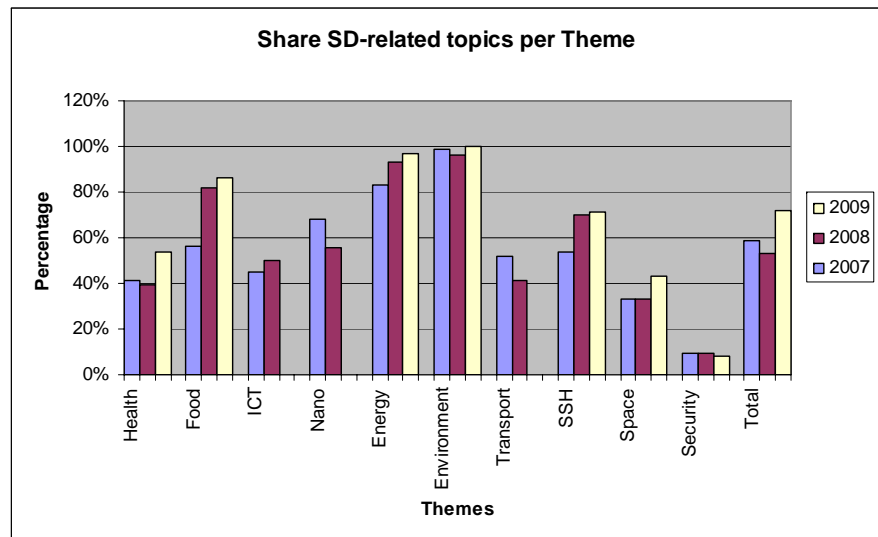
Comparative analysis of SD-related content of WP07, WP08 and WP9

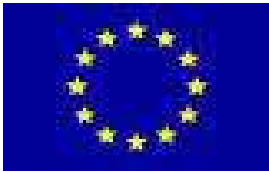
Total SD related topics

2007: **59%**

2008: **53%**

2009: **66%**





SD Portal

http://ec.europa.eu/research/sd

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European Commission
RESEARCH - Sustainable development

European Commission > Research > Research for SD > Home

- ☑ Home
- ☑ FP7 tailored for sustainability
- ☑ Policy context

Home

Sustainable development is a core objective of the European Union: we need to ensure that our present socio-economic development does not compromise our future. Current EU policies are based on the [renewed Sustainable Development Strategy \(EU SDS\)](#) [191 Kb] of June 2006, where *research and development (R&D)* plays an important and multifaceted role.

The [Seventh Framework Programme \(FP7\)](#) has been set up to allow European research to live up to the R&D needs expressed in the EU renewed sustainable development strategy.

'The Seventh Framework Programme reflects our joined up approach to sustainability'

Janez Potočnik, Commissioner responsible for Science and Research.

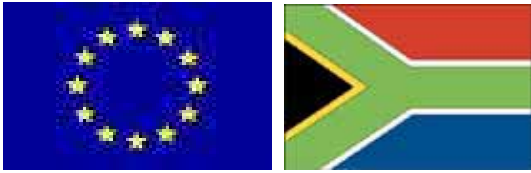
This web portal is the entry point to consolidated information on FP7's contribution to sustainable development. When browsing through this website, you can find out about the multiple means through which [FP7 contributes to sustainable development](#). Furthermore, you can explore links to [national and regional initiatives on sustainable development](#) research, learn about the sustainability potential of the [European Research Area](#), and find out about relevant [events](#).

To share your impressions and suggestions, please use the [comments page](#).

EVENTS

- + ESDN conferences
- + eHealth 2008 conference (6-8 May 2008)
- + International Year of Planet Earth (2008)
- + [More](#)
- + [Call for additional events](#)





**Thank you for your
attention!**

