



Instrumente der EU-Finanzierung

BWK-Tagung Internationale Wasserwirtschaft

23.02.2006

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- Introduction to the CRTE / CRP Henri Tudor
- EU funding: principles, objectives and main instruments
- Opportunities in water management through EU funding: FP, structural funds, LIFE, cooperation
- Further Information...

- The « **C**entre de **R**essources des **T**echnologies pour l'**E**nvironnement » (CRTE): a common structure of the Public Research Center (CRP) Henri Tudor and the Ministry of the Environment
- „Resource Centre“:
 - Research and Development
 - Technology watch & transfer
 - Networking
 - Decision support
- created in 1997, located in Luxemburg-Kirchberg and Esch-sur-Alzette
- Multidisciplinary team of 18 collaborators: chemistry, biochemistry, physics, geo-statistics, geography, civil, mechanical, environmental engineering, ..

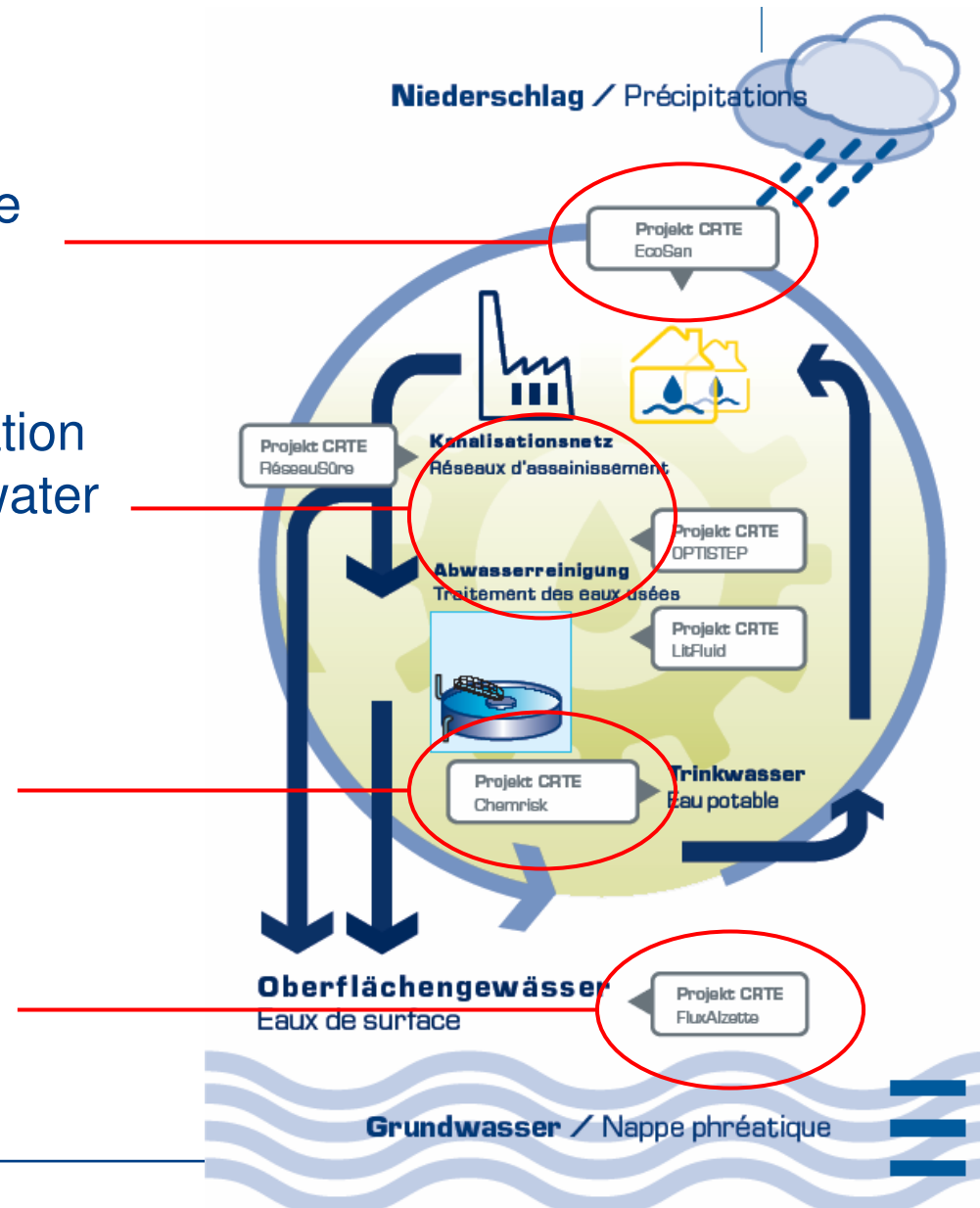


Sustainable management of the urban water cycle

Application of modelling/simulation tools for optimisation of wastewater transport and treatment

Drinking Water Contamination Risk Assessment and Management

Analysis of pollutant fluxes in surface waters





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EU Financial Perspective 2007-2013

Presidency conclusions of 19 December 2005

COMMITMENT APPROPRIATIONS BY HEADING	<i>In billion of EUR, at 2004 prices</i>	<i>In %</i>
1a. Competitiveness for growth and employment	72.1	8,4%
1b. Cohesion for growth and employment	307.6	35,7%
2. Preservation and management of natural resources	371.2	43,1%
<i>of which market-related expenditure</i>	<i>293.1</i>	<i>34,0%</i>
3. Citizenship, freedom, security and justice (excl. EUSF)	10.3	1,2%
4. The EU as a global partner (excl. EDF)	50.0	5,8%
5. Total administrative expenditure	50.3	5,8%
6. Compensations BG/RO	0.8	0,1%
Total commitments	862.4	
In % of EU-27 GNI	1.045%	

Introduction to EU funding (1/3)

European Commission awards money in form of grants.

- Aim of Community grants:
 - **Grants** in order to implement projects or activities **in relation to European Union policies** in fields as research, education, health, consumer protection, protection of the environment, humanitarian aid etc.
- Who can request a grant?
 - Beneficiaries mainly **private** or **public organisations**, exceptionally **individuals**, chosen by the European Commission for their capacity to implement the projects.
- How does one request a grant?
 - Specific conditions need to be fulfilled, each grant programme special rules.
- Basic principles: Grants ...
 - are a form of **complementary financing**, no 100% financing (certain projects outside the EU with possibility to be financed in full
 - **can not lead to a profit** for their beneficiaries, enable to break even
 - **can not be awarded retroactively** for actions already completed
 - can only be awarded **once** for the **same action**

Introduction to EU funding (2/3)

- Grants are subject to annual programming: **Annual work programme** published on Commissions Internet site until 31. March.
- Work programme fixes **outline of grants** that are envisaged over the year (area of activity, objectives, timetable, available budget, award conditions etc...)
- Subsequently to work programmes, Commission's Departments publish **calls for proposals**: Candidates are invited to present proposals corresponding to the objectives and required conditions.

GRANTS, FUNDS AND PROGRAMMES BY EU POLICY

- | | | |
|--------------------------------|--------------------------------|----------------------------|
| •Agriculture * | •Energy * | •Humanitarian Aid * |
| •Audiovisual and Media | •Enlargement | •Human Rights |
| •Competition | •Enterprise * | •Information society |
| •Conference interpretation | •Environment * | •Public Health * |
| •Consumers | •External Relations | •Regional Policy |
| •Culture | •External Aid * | •Research and Innovation * |
| •Development * | •External Trade | •Statistics |
| •Economic and monetary affairs | •Fisheries* | •Transport* |
| •Education training and youth | •Fighting fraud | |
| •Employment and social affairs | •Freedom, Security and Justice | |

* **Water management**

Introduction to EU funding (3/3)

- European (EU25) vs international funding schemes
- Topics for EU funding in water management (examples)
 - infrastructure: drinking water supply, wastewater treatment (hard)
 - new technologies and concepts (hard/soft)
 - management capacities, process optimisation (soft)
- Driving forces
 - legislation (water framework directive)
 - business opportunities inside and outside Europe
- Private organisations (e.g. SME)
 - project partner (co-financing, < 100%, e.g. FP, LIFE)
 - subcontractor (100% financing, e.g. structural funds, international cooperation)
- Public organisations (e.g. research centers, administrations, regions)
 - project coordinator, partner (co-financing, < 100%)



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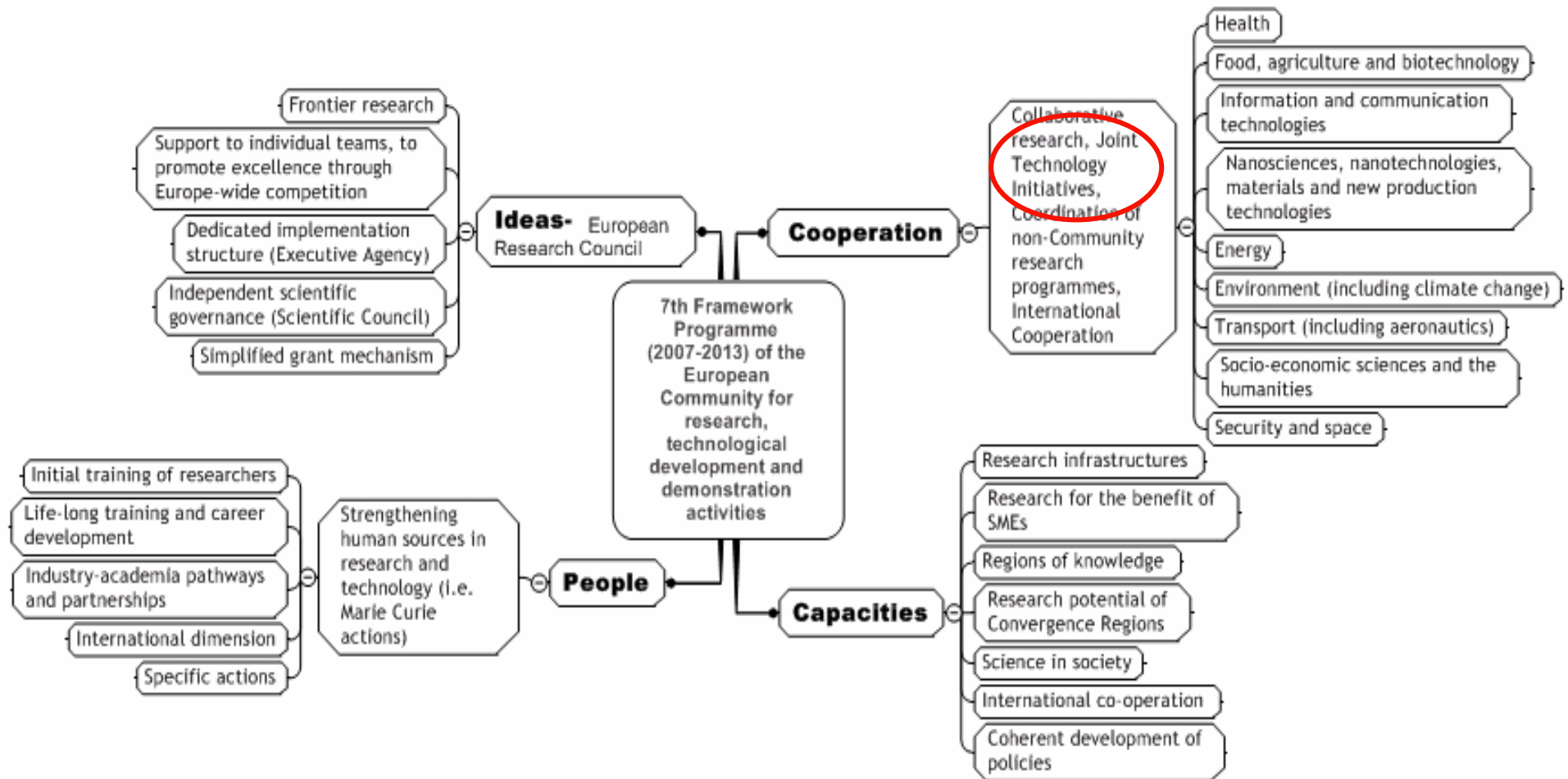
- Budget item: 1a. Competitiveness for growth and employment
- 5 broad objectives:
 - research and technological development
 - connecting Europe through EU networks,
 - education and training
 - promoting competitiveness in a fully-integrated single market
 - social policy agenda
- Including Seventh Framework programme for Research and Technological Development (FP7)

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7th R&D Framework Programme

- Basics -

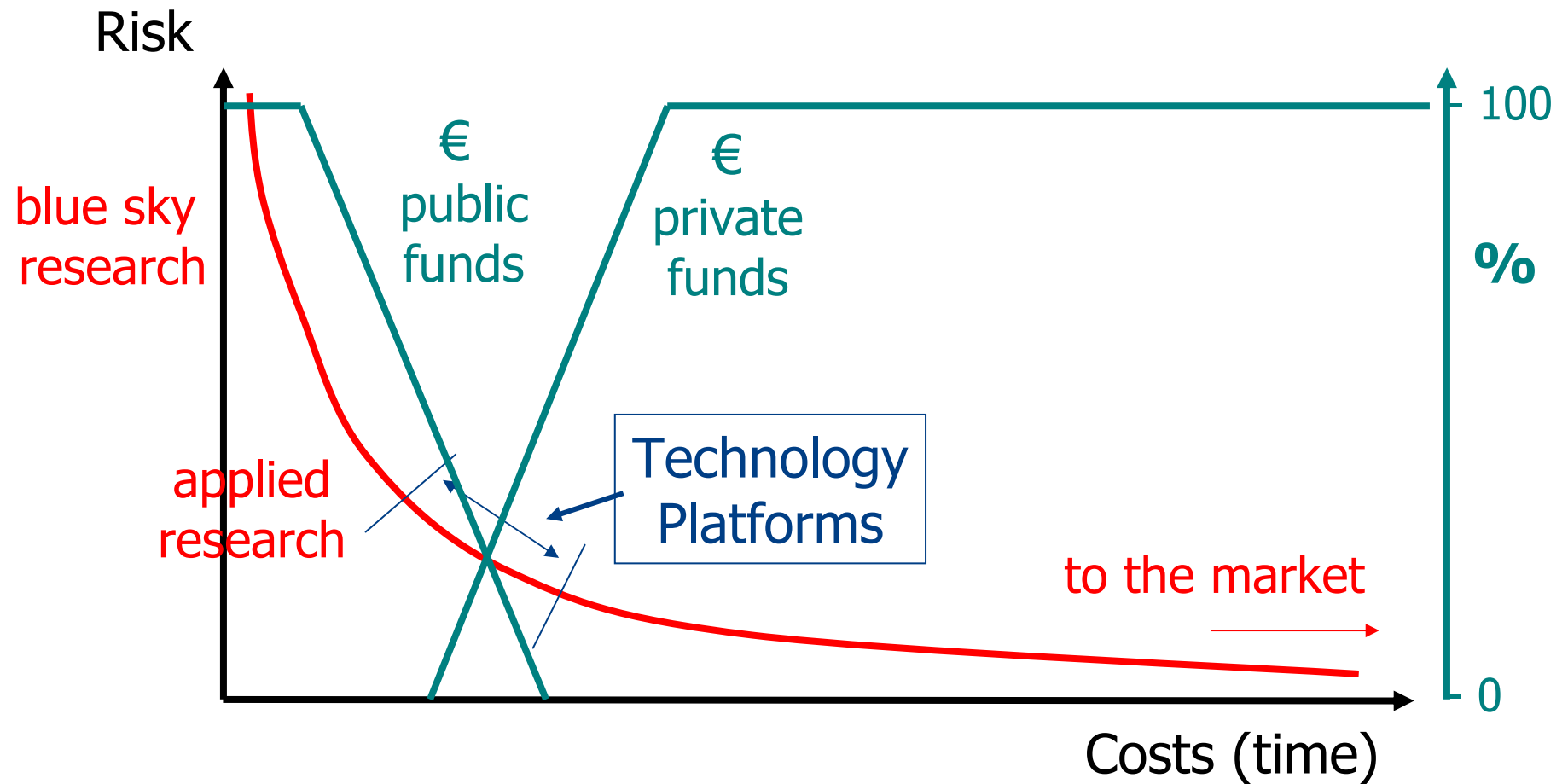
- Framework Programmes: EU main instrument for funding R&D since 1984
- Multiannual programmes with specified objectives and funding instruments (FP 6: 2000-2006)
- Underlying concepts: Lisbon strategy, Implementation of European Research Area (ERA-Net), Networking, coordination of national programs
- Funding for companies, universities, research center, legal entities
- National / private co-funding (EU funding 25, 50, 100%)
- Links with Competitiveness and Innovation Framework Programme (CIP, 2007-2013), European Investment Bank (EIB, risk sharing)
- Calls for proposals of EU will be issued beginning 2007 in accordance with the requirements of specific work programmes
- Crucial informations on work programmes and application guidelines published on EU Framework Programme webpage & multipliers
- Administrative aspects: two-step, electronic submission, overheads



Technology Platforms

- European Technology Platforms bring together stakeholders, under industrial leadership, to define and implement a Strategic Research Agenda
- Goal: to boost research investments in technology areas where step changes are needed
- FP7 will contribute to the realisation of these Strategic Research Agendas where these present true European added value
- TP may develop into Joint Technology Initiatives (long term public private partnerships)
- *Example: WSSTP (Water Supply and Sanitation Technology Platform), action proposal of Environmental Technology Action Plan (ETAP)*

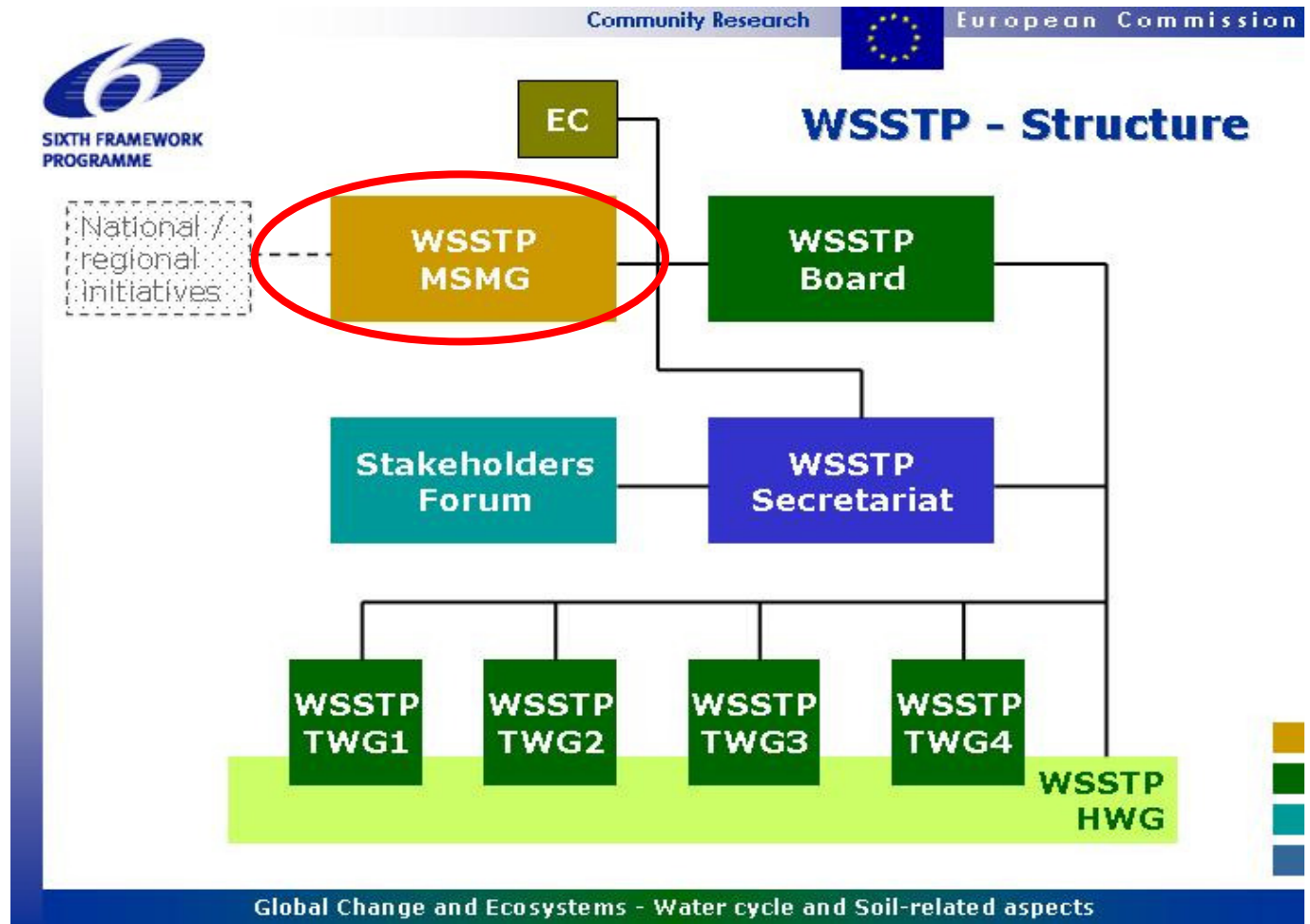
Technology Platforms



Water Supply and Sanitation Technology Platform (WSSTP)

- Justifications for actions:
 - european water sector: a major economic player on a competitive worldwide market
 - considerable investment in research, but fragmented and not coordinated
 - major challenges with respect to sustainability of water services
- General objectives
 - increase competitiveness of the European water sector
 - solve problems linked to water in Europe
 - contribute in a substantial manner to the realisation of the Millennium Development Goals
- Methodology (2004-2006)
 - 5 thematic working groups on different topics
 - Vision Document, Strategic Research Agenda, Implementation Plan
 - broad implication of stakeholders in the drafting and the discussion

Member States Mirror Group (MSMG): link with regulators and national initiatives



Technical Working Groups (TWG) on water management, water for people, water in industry, agriculture, Horizontal Working group (HWG) on cross-cutting issues

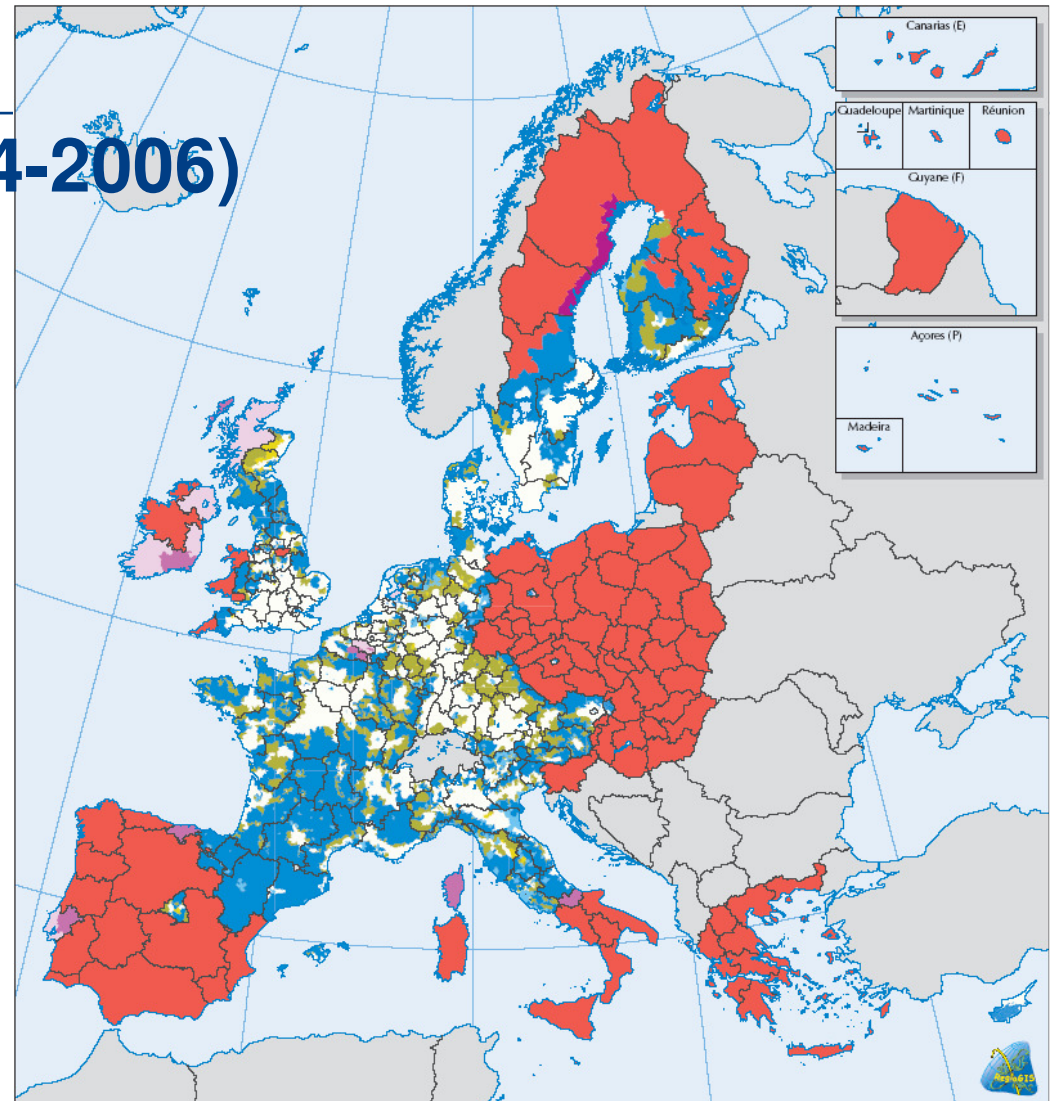
Structural funds (2007-2013)

- Budget item: 1b. Cohesion for growth and employment
- 3 objectives
 - Convergence (new member states)
 - Regional competitiveness and employment (regions)
 - Territorial cooperation (balanced development, cf Interreg).
- Specified funds corresponding to major EU structural development policy:
 - ERDF – European Regional Development Fund (economic and social cohesion)
 - ESF – European Social Fund (employment policy)
 - CF – Cohesion Fund (Environment & Transport, „poor“ countries)

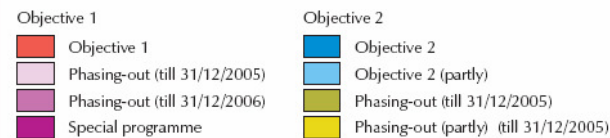
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Structural funds (2004-2006)

- Objective 1 :
Supporting development in the less prosperous regions
- Objective 2
Revitalising areas facing structural difficulties
- Interreg III
Interregional cooperation
- Urban II
Sustainable development in the troubled urban districts



Structural Funds 2004-2006: Areas eligible under Objectives 1 and 2



0 100 500km



© EuroGeographics Association for the administrative boundaries

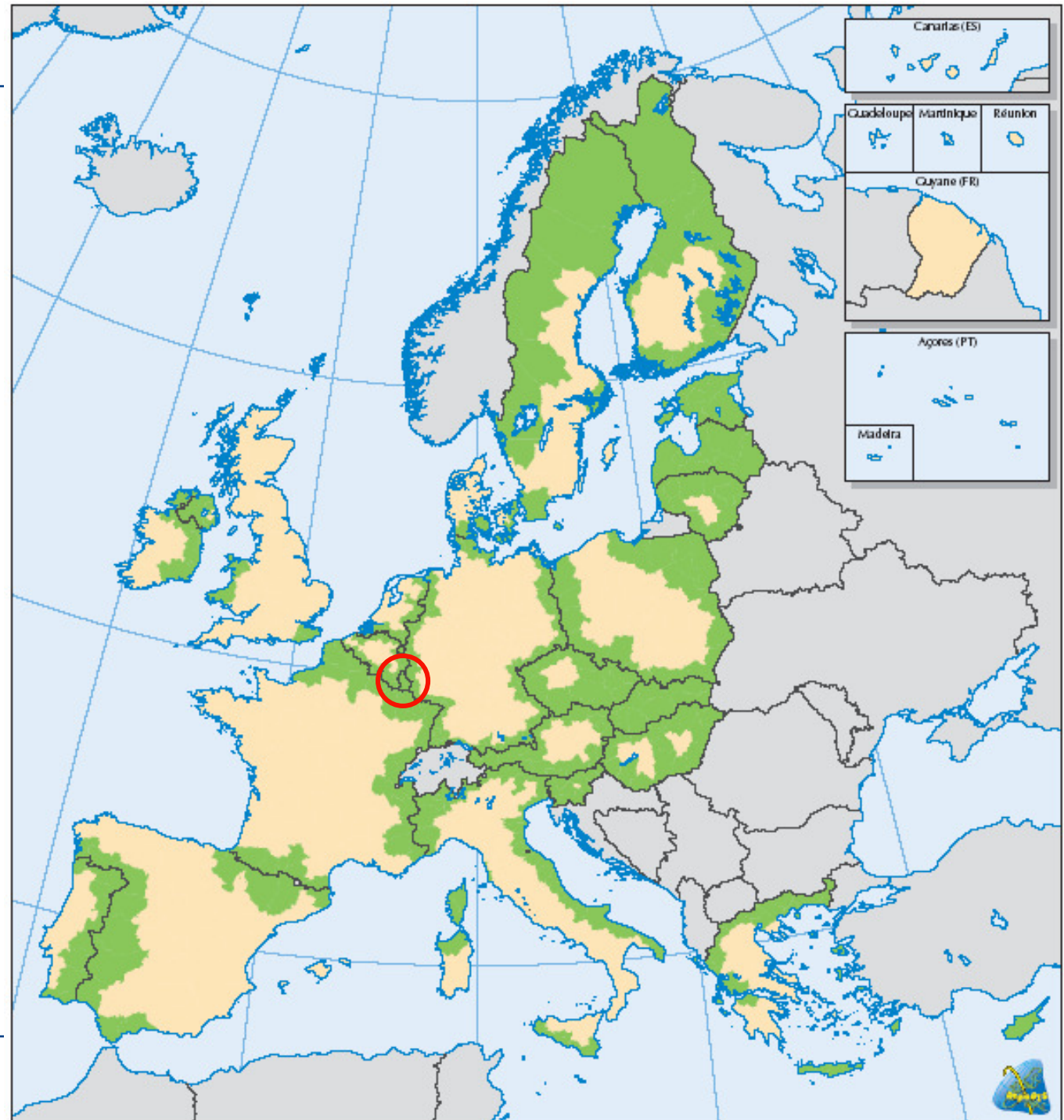
Example: FEDER Objectif 2

- OPTISTEP: Optimization of wastewater treatment plants using modelling and simulation tools
- Project duration: 2004-2007
- Project partners:
 - Municipal wastewater syndicates SIDEN, SIVEC, SIACH
- Project aims at a better understanding of treatment processes and adapted control strategies will result in optimized plant operation. Reduce impact of wastewater upon the rivers Sauer, Chiers and Alzette.
- Engineering companies involved as subcontractors
- Firms can benefit from services by project



INTERREG IIIA (2004-2006)

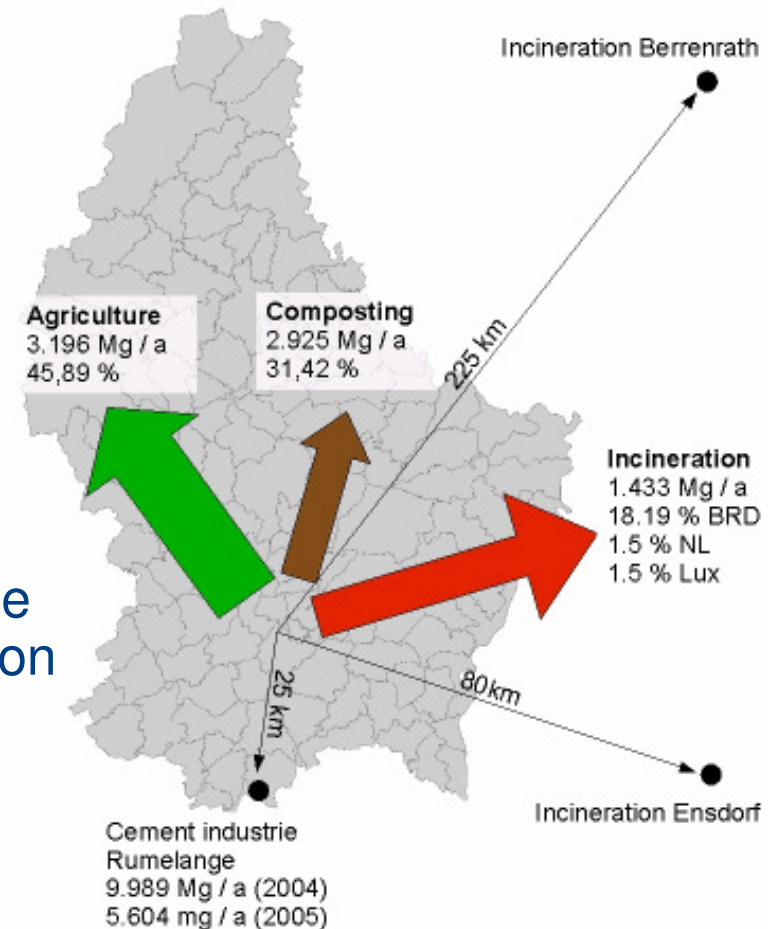
-  INTERREG IIIA regions
-  other regions



Example: Interreg IIIA WLL



- VALORBOUES: Solutions for the future treatment of sewage sludge for the border region
- Project duration: 2005-2007
- Project partners:
 - Centre International de l'Eau NANC.I.E. (F)
 - I.D.E.Lux (B)
 - Soilconcept S.A. (L)
 - CRP Henri Tudor (L)
- Multi-criteria analysis of various sludge treatment solutions in the greater region Wallonie, Lorraine, Luxembourg, including technical, economic and environmental evaluation aspects





- Budget item: 2. Preservation and management of natural resources

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2007 GNI	1.045%	

Area	Objectives / Priorities	Eligibility / Instruments	Allocation (in billions of €)
Cohesion Policy ¹	Economic and social cohesion		336.1
	• Convergence	Least-developed regions/ ERDF, ESF, CF	264.0
	• Regional Competitiveness and employment	Outside least-developed regions/ ERDF, ESF	57.9
	• Territorial Cooperation	Outside least-developed regions/ ERDF, ESF	13.2
	• Technical assistance	Monitoring, evaluation, management and pilot measures	1
Rural Development ²	Sustainable rural development		88.75
	• Competitiveness (agriculture/forestry)	All rural areas/EAFRD	> 13.3 (15%)
	• Land management/Environment		> 22.2 (25%)
	• Wider rural economy		> 13.3 (15%)
• LEADER	Selected territories/EAFRD	> 6.21 (7%)	
Fisheries ³	• Sustainable development of fisheries sector and management	Fisheries sector and coastal fishing areas/EFF	4.96
	• Implementation of the CFP Reform	Second Instrument to be proposed	2.64
Environment ⁴	Development and implementation of environment policy and legislation		2.19
	• Implementation/Governance	EU-wide/Financial Instrument for Environment (LIFE+)	1.65 (75–80%)
	• Information/Communication		0.4 (20–25%)

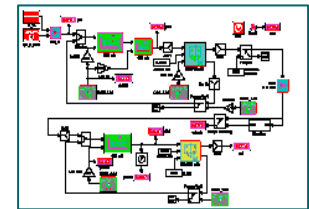
Source: WWF
European
Policy Office,
April 2005



- LIFE (The Financial Instrument for the Environment): one of spearheads of Community environment policy (Sixth Action Programme for the Environment)
- From LIFE Environment, Nature and Third Countries to LIFE+, for the period 2007-2013, with two components:
 - LIFE+ implementation and governance (75 to 80 percent of the budget)
 - LIFE+ information and communication (20 to 25 percent of the budget)
- Open to public and private partners (LIFE Environment \leq 50% cofunding)
- International consortia, demonstration projects with research component: in-between FP and structural funds

Example: LIFE project

- LIFE98 ENV/L/000582: New integrated utilisation of simulation and control software for an inexpensive and effective management of wastewater treatment plants
- Project duration: 1998-2002
- Project partners:
 - Municipal wastewater syndicates: SIDEN (L)
 - Control and Automation: EFG (L)
 - Consulting engineers: Dahlem, Schroeder & Associés, OtterWasser (D)
- Implementation of a model-based real time control in order to make better use of treatment capacities, in view of complying with urban wastewater directive (91/271/EEC)
- Firms and engineering companies as partners & subcontractors



- Budget item: 4. The EU as a global partner (excl EDF)
- Future Instruments:
 - Pre-accession
 - Stability
 - Development Cooperation and Economic Cooperation
 - European Neighbourhood and partnership
 - Macro financial assistance
- Existing Instruments: EU Water Initiative
 - FP6: International cooperation (INCO)
 - Europeaid: EU-ACP water facility
 - European Investment Bank (EIB), European Bank for Reconstruction and Development (EBRD)

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Cooperation 6th Framework Programme (2000-2006)

Struktur des Forschungsrahmenprogramms			
Bündelung und Integration der Forschung			
Thematische Prioritäten		Spezielle Maßnahmen	
<ul style="list-style-type: none"> • Biowissenschaften, Genomik und Biotechnologie im Dienste der Gesundheit • Technologien für die Informationsgesellschaft • Nanotechnologien, multifunktionale Werkstoffe, neue Produktionsverfahren & anlagen • Luft- und Raumfahrt • Lebensmittelqualität und –sicherheit • Nachhaltige Entwicklung, globale Veränderungen und Ökosysteme • Bürger und Staat in der Wissensgesellschaft 		Politikorientierte Forschung	Künftiger Wissenschafts- und Technologiebedarf (NEST)
		KMU-spezifische Maßnahmen	
		Internationale Zusammenarbeit (INCO)	
		Gemeinsame Forschungsstelle (GFS)	
Ausgestaltung des EFR		Stärkung der Grundpfeiler des EFR	
Innovation	Humanressourcen und Mobilität	Infrastrukturen	Wissenschaft und Gesellschaft
		Koordinierung von FuE-Aktivitäten	Kohärente Entwicklung der F+I-Politik

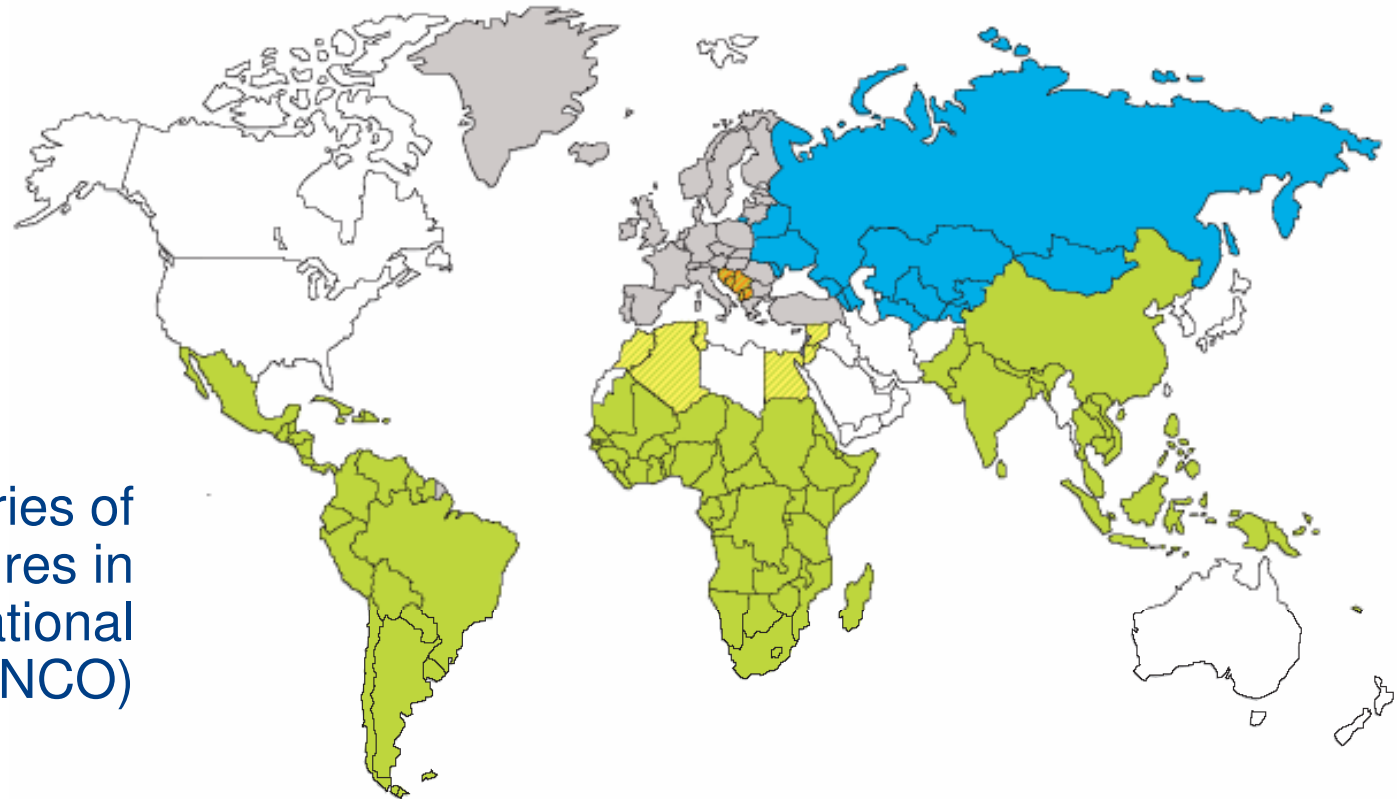
International cooperation (INCO):

- open ERA to the world
- open calls for 2006 (<http://fp6.cordis.lu>)






FP7: open Cooperation programme for third countries

Cooperation 6th Framework Programme (2000-2006)

Target Countries of
'Specific measures in
support of International
Cooperation' (INCO)



Data valid: 01.01.2003

-  European Union/Associated States ⁽¹⁾/ Overseas Countries & Territories
-  Developing Countries
-  Mediterranean Partner Countries
-  Western Balkan Countries
-  Russia and the other NIS

- EuropeAid Co-operation Office
 - implements the external aid instruments of the European Commission which are funded by the European Community budget and the European Development Fund (EDF)
- Thematic Programmes
 - e.g. Environment and Sustainable Management of Natural Resources including Energy
 - addresses the environmental dimension of development and other external policies and promotes the European Union's environmental and energy policies abroad
- International open/restricted tenders, large project database
- Recommendations for participation: good knowledge of procedures, act as junior partner, involve local partners, keep contact with local authorities

EU-ACP Water Facility

- Overall objective: contribute to poverty reduction and sustainable development through the achievement of the specific Millennium Development Goals (MDGs) and World Summit for Sustainable Development (WSSD) targets on water and sanitation in ACP (Africa, Caribbean, Pacific) countries.
- Specific objective: Boost the sustainable delivery of water and sanitation infrastructure and improve water governance and Integrated Water Resources Management (IWRM) practices in ACP countries by helping to address the financing gap.
- Financing: 1 billion from 9th EDF
- Relies on Camdessus Panel report, controversial recommendations for using development aid to facilitate investments by the private water industry
- The 2nd Call for Proposals of the ACP-EU Water Facility is expected to be launched by mid-March 2006



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EU Fördermöglichkeiten

- Informationen -

- Forschungsrahmenprogramm / ERA-Net Deutschland
 - <http://www.eubuero.de> (EU-office of BMBF)
 - <http://www.rp6.de> (Neu für FP 7)
- Internationale Kooperation
 - <http://www.bfai.de> (Bundesagentur für Aussenwirtschaft)
- Beratungsnetzwerke für KMU
 - Euro Info Centres (<http://www.eic.de/>)
 - Innovation Relay Centres (<http://www.irc-deutschland.de/>)
- Weiterbildungen, z.B. VDI
 - „Fördermittel nutzen, die richtige Antragstellung von F&E Projekten (Mai 2006)
- Guidelines... (<http://www.welcomeurope.com/>)



Vielen Dank für Ihre
Aufmerksamkeit

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