

# EU Water Initiative Research Component



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[http://europa.eu.int/comm/research/water-initiative/index\\_en.html](http://europa.eu.int/comm/research/water-initiative/index_en.html)

*20% of all European Union  
Surface water is seriously  
threatened with pollution*

*60% of European cities  
overexploit  
groundwater resources*

*The cost of supplying the EU  
with water almost doubled  
between 1990 and 1995  
(from 12 to 20 billion euro)*

*Estimations for the  
implementation  
of the  
WWT Directive  
EUR 150 billion*

*Over 1 billion people  
lack access to  
safe water*

*Over 2 billion people  
lack access to  
sanitation*

*More than 5 million people  
die each year from  
water-related diseases.*

*2/3 of global population  
will be living with  
water shortages by 2025*



SIXTH FRAMEWORK  
PROGRAMME



....by  
new

Community Research



European Commission

...living in a century of  
Urban Water Governance'

## URBAN WATER GOVERNANCE

Water  
by the and

and  
wastes

# EU Water Initiative - A Quick Overview

Johannesburg  
Summit  
and  
Water related  
MDGs

COUNCIL

MEMBER STATES  
EXPERT GROUP

COMMISSION  
SECRETARIAT

WORKING PARTIES

DEV, ACP, WPEIE, RELEX, RTD

MsTF STEERING COMMITTEE

MULTI-STAKEHOLDER FORUM  
(MStF)

WORKING GROUPS  
HORIZONTAL

WORKING GROUPS  
GEOGRAPHICAL/THEMATIC

## EU Water Initiative – Working Groups

### Geographical

- ➔ AFRICA (sub-Saharan)
- ➔ EECCA
- ➔ MEDITERRANEAN (North Africa & Middle East)
- ➔ LATIN AMERICA  
others to follow...

### Components

### Thematic

- ✓ Water Supply and Sanitation (WSS)
- ✓ Integrated Water Resources Management (IWRM...*including transboundary resources*)

### Horizontal

- Financing
- Research
- Monitoring

## Existing RTD foundations in support of the EU Water Initiative

- + The EU Water Initiative recognises that innovation and better knowledge management is central to the achievement of the water related MDGs
- + Europe is active in this area; international water research maintains a high policy profile at Community and EU Member States level
- +/- Wealth of European knowledge but scope for more co-ordination between the various international water research and scientific co-operation programmes
- +/- Strategic approaches differ and so does impact: There is a diversity of strategic approaches and forms of international co-operation in water research
- +/- Focus in all EU Water Initiative key sectors; but multidisciplinary approaches need to be reinforced



## Objectives and Expected Results of the Research Component

*Co-ordination, coherence and complementarity of European efforts to enhance IMPACT of co-operation in water research for Developing Countries*

- Critical mass and strategic partnerships
- Feedback mechanisms for joint research policy and implementation review based on lessons learnt and good practices
- Integrated research approaches for strategic water management sectors
- Awareness, proactive stakeholders' participation, development of human resources and better knowledge and innovation management in developing countries
- Integrating further and synchronising research with development co-operation efforts

!!!! PERFORMANCE INDICATOR !!!

**TIMELY AND EFFECTIVE TRANSFER OF THE CO-ORDINATION  
PROCESS AT LOCAL LEVEL (REGIONAL AND NATIONAL)**



## Brief overview of Current and Future activities by the Research Component

- ✓ **Critical Mass and Strategic Partnerships:** *Working Group (Public, Private, NGO) – FP6 Work Programme – Interactions with other research initiatives*
- ✓ **Joint research policy and implementation review:** *Mapping of European Efforts (Policy frameworks, Institutions, Strategic Approaches, Problems and Stakeholder Analysis, Lessons learnt and good practices, Targeted topics, regions and countries)*
- ✓ **Integrated Research Approaches:** *Networking between bilateral programmes – FP5 project clusters - FP6 Work Programme (IP NoE)*
- ✓ **Awareness, stakeholders' participation, human resources, better knowledge and innovation management:** *Identification of research/knowledge management institutions/structures at local level, FP6 Human Resources and Mobility, regional co-ordination meetings, web-site, electronic fora, newsletter*
- ✓ **Research and development co-operation:** *Co-ordination with other EU WI working groups and development co-operation agencies (research results and identification of knowledge gaps)*

- *Integrated water resources management (at its various levels - river basin, transboundary, urban, rural)* is an old concept but still applied practice - the world over - recognises complexity, current limitations and need for further input from research and scientific co-operation
- **New approach to Water Governance** would need support with regard to state-of-the art knowledge and adaptable good practices within various areas

**Water Governance, Policy  
and Institutions**

**Social Equity  
And  
Stakeholders Participation**

**Public and Private Sector  
Participation**

**Strategic allocation  
between uses/users**

**Climate Change, Surface and  
Aquifer Hydrology**

**Ecological Management / Pollution**

**Preparedness for Extreme Events  
(Drought and Floods)**

**Renewable Resources  
and  
Energy**

**Irrigation Management, Food Security  
....Virtual Water Trade**

- *Similar Issues for Water Supply and Sanitation*

**System Design, Management,  
Maintenance and Strategic  
Rehabilitation**

**Peri-Urban Development**

**Wastewater Treatment  
and Reuse (+ decentralized)**

**Quality Control / Safe Drinking Water**

**Water Demand Management,  
Econ/Fin Cost, Pricing,  
Tariff Structures**

**Energy Demand and Emissions**

**Resource Conservation**

**Community-based management**

**Household Food  
and Water Security**

**Gender Dimensions**

**Public Health / Education / Hygiene**

# International Research Co-operation 6th Research Framework Programme (2002-2006)

## EUROPEAN RESEARCH AREA (ERA)

Within the 6<sup>th</sup> FP, International Water Research and Scientific Co-operation can be funded both through Specific Actions in support of International Co-operation (INCO) and Thematic Priorities

Global Budget  
International Research

INCO  
315 mi EURO

Thematic Priorities  
285 mi EURO

Human Resources and  
Mobility

Training for researchers  
from Partner countries

**€ 185 mi**

from reserve of 9th EDF  
Long Term Development  
Envelope

**€ 41 mi**

from 9th EDF Investment  
Facility

**€ 24 mi**

from 9th EDF  
existing funds for intra-ACP  
Co-operation

**€ 250 mi**

to be  
released  
upon a  
decision of  
the Council  
(March, 2005)  
Reviews of  
Country  
Strategies  
and  
performances

**€ 500 mi**

For purposes to  
be agreed by  
the Council  
(March, 2005)

1st Tranche

€ 250 mi  
(2004)

2nd Tranche

Council Decision  
**ACP - EU Water Facility**