

**Report on**

**- SAFEWATER Programme**

**- NEPAD OST Initiative for Water**

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Development (IRD) for Southern Africa**

**(Joburg, Feb. 2004)**



Institut de recherche  
pour le développement

***EU – South Africa Summit – Side Event - Bordeaux 24 July 2008***

# **SAFEWATER Programme**

- Modest in size
- Research activities on-going
- Bilateral initiative and funding

## **NEPAD OST Initiative for Water**

- Pan African Scale
- Under Development
- Multilateral / EU

# SAFEWATER

*(South African - French scientific Exchanges for Water)*

- **Objective** : Initiate joint Research cooperation
- **Time Frame** : 2005 – 2009
- **Funding** : D S T + MAEE + MESR
- **Research Themes** : Hydrometeorology  
Salinity / water quality  
Water management

# SAFEWATER

*(South African - French scientific Exchanges for Water)*

## - Hydrometeorology

Use of rainfall radar data for river flow forecasting

UKZN - CNRS, IRD

## - Salinity / Water Quality

Sanitation. Groundwater quality . Acid Coal Mine Drainage

UKZN, UWC - BRGM, CNRS, IRD

## - Water Management

Social aspects of demand management

UP - Cirad

# **NEPAD Initiative for Water Science and Technology (Flagship Programme)**

**NEPAD OST (Pretoria)**

**Dr John Mugabe**

**Dr Aggrey Ambali**

**- OBJECTIVE :**

**- Set-up of REGIONAL HUBS**

**for the DEVELOPMENT of scientific and technological  
KNOWLEDGE**

**and**

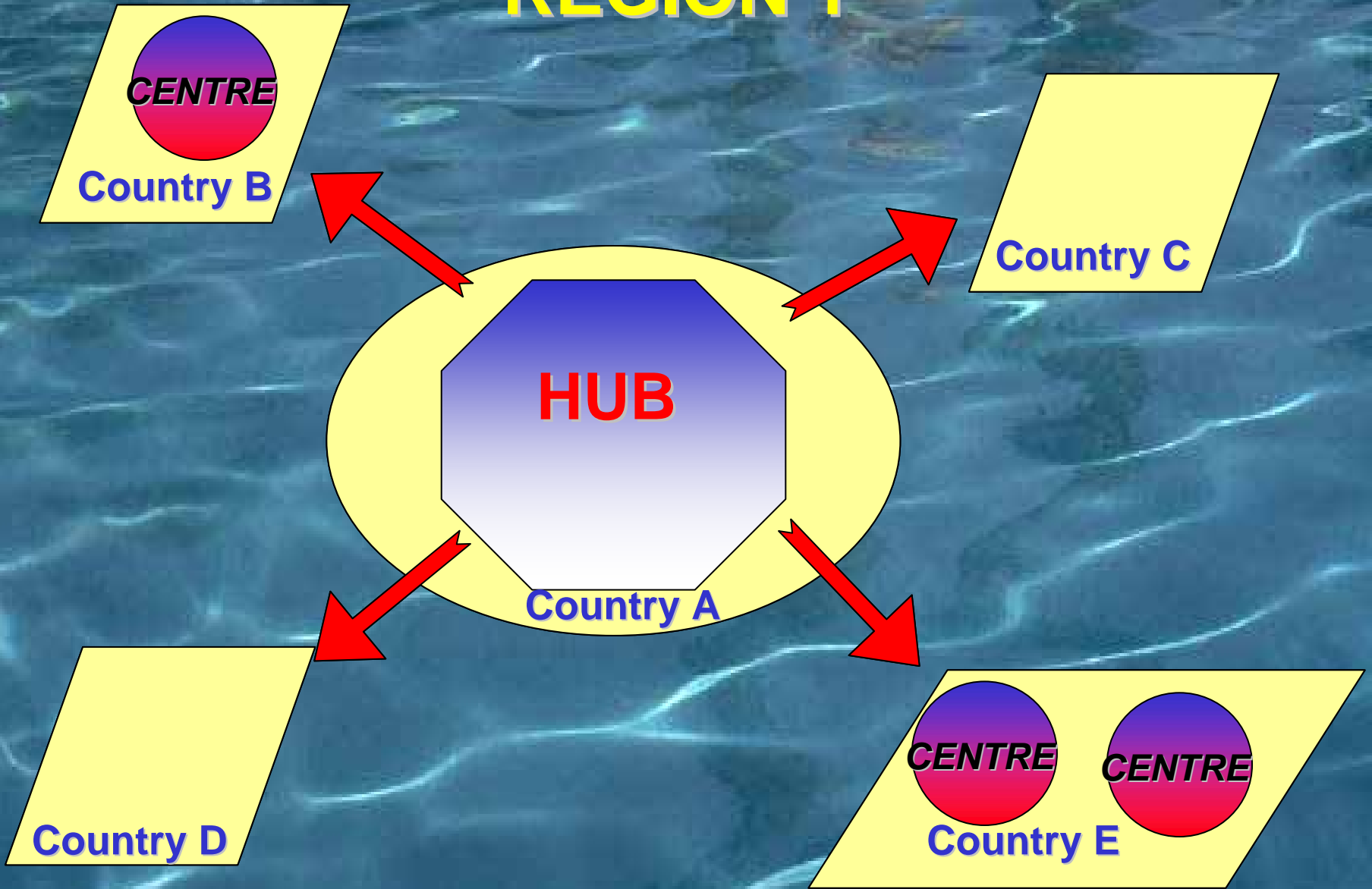
**CAPACITY BUILDING**

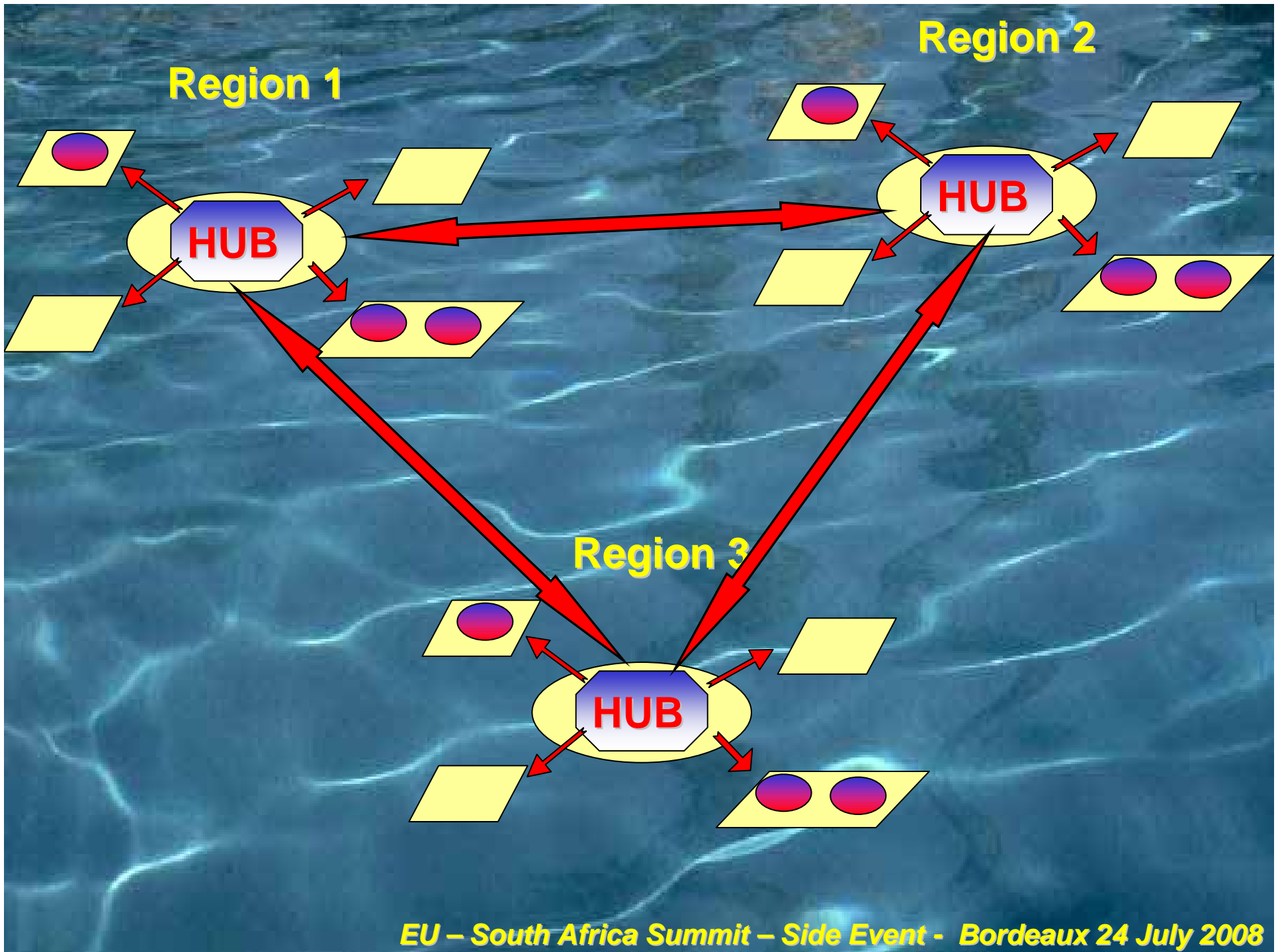
**in the different fields required for achieving water-  
related challenges in Africa**

## Criteria for a HUB

- Existing Physical Centre
- Institutional and political support at national level
- Strong management and administrative capacity
- Financial self-sustainability
- Culture of networking (national and regional)
- Effective academic and professional training experience

# REGION 1





# PROCESS

- **Kick-off meeting - Nairobi, 2005**
- **Validation of procedure for application as HUBs (AMCOST, 2006)**
- **Call for application as HUBs (2007)**
- **Visit to the candidates (2008, still on going)**
- **Report to NEPAD OST (September 2008)**
- **Selection and recognition of the HUBs (AMCOST, end 2008)**

## **OPERATION DURING THE DEVELOPMENT PHASE**

- **Under the supervision of AMCOST**
- **In coordination with AMCOW**
- **Office for Science and Technology (NEPAD-OST), Pretoria**
- **Operators : Water Research Commission of South Africa  
IRD**
- **Financial support of MAEE France**

## **CURRENT STATUS**

- **Questionnaires sent officially by NEPAD-OST to the Ministers of Science and Technology of all African states**
- **Questionnaires sent by the working group directly to well-known institutions**
- **16 applications have been received**

## **STATUS REGARDING SOUTH AFRICA AND SOUTHERN AFRICA (SADC Member States)**

- **Applications received**
  - **University of Western Cape (UWC)**
  - **Stellenbosch University (SU)**
  - **University of Kwazulu Natal (UKZN)**
  - **Council for Scientific and Industrial research (CSIR)**
  
- **University of Botswana**
- **University of Namibia (to be visited July 2008)**
- **Malawi (to be visited August 2008)**

**Republic of South Africa**

**CSIR**

**UKZN**

**UWC**

**SU**

## Major challenges in Africa in which 'water' is an essential ingredient of the answer

A	water and food security with particular focus to the poorest households
B	water and productive livestock, fisheries
C	water and national level food security
D	Allocation of water to agricultural, domestic and industrial uses, and multiple-use storage
E	Water and use & production of energy
F	water, climate and weather forecasting
G	adequate domestic and waste water management in cities, water recycling and water treatment
H	adequate water management for and by enterprises from SMEs to major industries
I	improved health for individuals and societies ; reduce mortality through better sanitation and hygiene
J	avoidance and solution of water-related conflicts
K	sustainable natural environment with high biodiversity; tourism
L	sustainable resource management in coastal zones and lakes

*Source : Concept Note – Nepad OST meeting, Nairobi, 2005*

*EU – South Africa Summit – Side Event - Bordeaux 24 July 2008*

	A	B	C	D	E	F	G	H	I	J	K	L
<b>Sciences required</b>												
Life, biology, agronomy, soil science	3	3	1		2	2	3	1	2	1	2	2
Medical sciences, nutrition	2		1				2	1	3		1	1
Geology, geography	1	1	2	2	2		1	1		1	1	1
Engineering, manufacturing	3	1	2	2	3	2	2	2	2	1	1	2
Hydrology	1	2	3	3	2	2	2	2	1	2	2	1
Meteorology, climatology	1	1	2	3	1	3	1		1	1	2	2
Physics			1		2	2						
Chemistry	1	1					2	3	2		1	
Economics,	3	2	3	2	2		3	2	2	1	1	2
Sociology, anthropology	3	3	2	2	1	1	3	1	2	2	1	3
Law	2	2	3	1	1		1	1	1	3	2	1
Information sciences, telemetry	2	2	3	2	2	3			1			2
Research management	2	2	2	2	2	2	2	2	2	2	2	2
Technology transfer	2	2	2	2	2	2	2	2	2	2	2	2

**3**

**Major Involvement**

**2**

**Strongly Involved**

**1**

**Support Science**

**The process is to create synergy and make best use of all capabilities over the continent**

**Not to “select and eliminate”**

**However there must be a driver having ownership and responsibility of the HUB**

**and**

**the HUBs shall be physical and not “virtual” entities**

**Options :**

- Consortium of Universities**
- National Centre (NRF Type)**
- ?????**

The background of the slide is a close-up photograph of water with a complex, rippling pattern. The water is a deep blue color, and the light reflects off the surface, creating a shimmering, textured effect. The ripples are irregular and flow across the frame.

**Mer ci**

***EU – South Africa Summit – Side Event - Bordeaux 24 July 2008***



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