



A RIGHTS-BASED APPROACH TO INTEGRATED WATER RESOURCES MANAGEMENT

EMPOWERING COMMUNITIES TO ENGAGE IN WATER MANAGEMENT TO ENSURE WATER FOR IMPROVED LIVELIHOODS

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Overview

- Problem statement
- Policy Framework
- IWRM Demonstration Project
- Capacity Building
- Key Lessons & Upscaling
- Case studies - short DVD



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Problem statement

- How can marginalised communities be empowered to actively engage in Water Management Institutions (WMI's)?
- How can water be used as an effective catalyst to improve livelihood and eradicate poverty?



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The Millennium Development Goals

- What are they?
- Where do they come from?
- What do they mean in the context of Integrated Water Resources Management (IWRM) or Water for Growth & Development?



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The Millennium Development Goals

Men and women have the right to live their lives and raise their children in dignity, free from hunger and from fear of violence, oppression or injustice.

Democratic and participatory governance based on the will of the people best assures their rights. [UN Millennium Declaration p.2]



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The Millennium Development Goals

- Goal 1: Eradicate extreme poverty and hunger
- Goal 2: Achieve universal primary education
- Goal 3: Promote gender equality and empower women
- Goal 4: Reduce child mortality
- Goal 5: Improve maternal health
- Goal 6: Combat HIV/AIDS, malaria and other diseases
- Goal 7: Ensure environmental sustainability



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The National Water Act (Act 36 of 1998)

“Sustainability and equity are identified as central guiding principles in the protection, use, development, conservation, management and control of water resources”



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Purposes of the Act

Equity

- equitable access to water;
- redress past racial & gender discrimination;
- facilitate social & economic development;
- meet international obligations;

Sustainability

- meet basic human needs & future growth;
- efficient, sustainable & beneficial use;
- protect aquatic & associated ecosystems and their biological diversity;
- reduce & prevent pollution and degradation of water resources;
- managing floods and droughts

Batho Pele Principles

- The South African Government has committed itself to people-oriented governance, as captured in *Batho Pele* (people first) principles.
- These principles provide the ethical code that should guide IWRM and interactions with stakeholders in the water management areas.
 - Access, openness & transparency
 - Consultation, redress & courtesy
 - Service standards, information & value for money

International Obligations: Water, Sustainable Development & Human Rights

1986 UN General Assembly Declaration on the Right to Development

1992 Dublin Conference on “Water and Development”

1993 Rio World Summit – “Environment and Development”

1993 World Conference on Human Rights - Vienna Declaration and Programme of Action

1993 Rio World Summit on Sustainable Development

1994 UN International Conference on Population and Development, Cairo

1994 UNFCCC UN Framework Convention on Climate Change

1995 March Copenhagen Summit for Social Development

1995 The Beijing Declaration and Platform for Action

1996 The World Food Summit

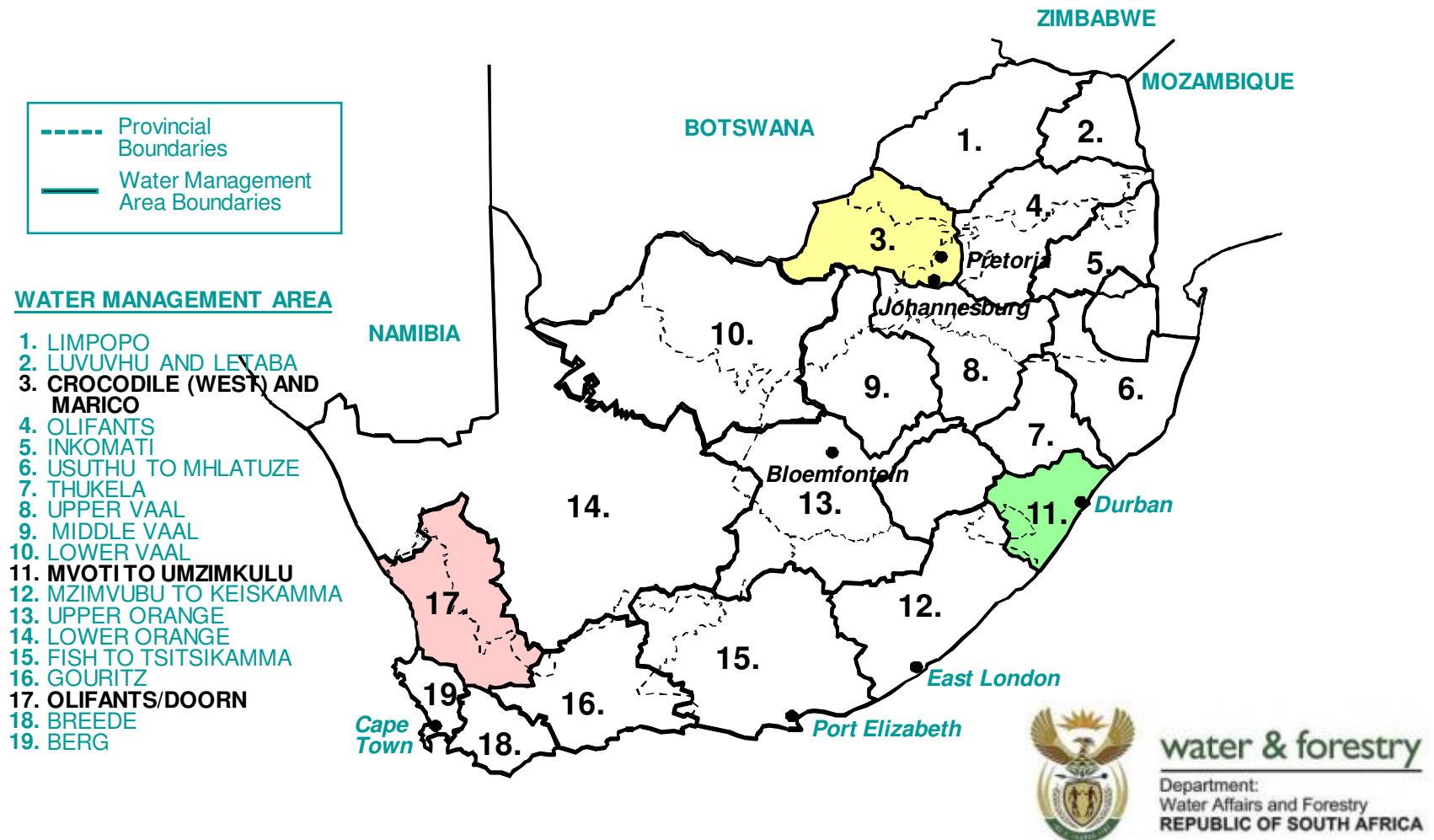
2000 September Millennium Declaration - MDGs

2002 General Comment No 15 issued by Committee on Economic, Social Cultural Rights

2003 Johannesburg World Summit on Sustainable Development

2004 February The Millennium Project Interim Progress Meeting of the Task Force 8

The DWAF / Danida Integrated Water Resources Management (IWRM) Programme initiated pilot projects in three Water Management Areas (WMAs). These projects focus on the integration of IWRM into service delivery.





Implementation Models

Proto CMA (DWAF Driven) Olifants Doorn

- 21 Community Projects (2007 - 2008)
- 41 Community Projects (2008 - 2009)
- Strand 1 Projects (2007 - 2009)

NGO Driven Crocodile West Marico

- 14 Community Projects

Municipal (eThekweni) driven

- Integrated IWRM-ABM project
- Informal sector employment generation



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IWRM Programme Guiding Principles

- Actively engage stakeholders and beneficiaries in the design and implementation of projects.
- Focus on cross-cutting issues of poverty eradication, food security, gender & environmental sustainability.
- Facilitate capacity development that embraces empowerment.
- Network to ensure synergy and complementarity of actions and potential support in particular from government and local authorities.



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Cross-sectoral Integration

Principles: Equity, Environmental Sustainability, Economic Efficiency, Redress and Participation

**Enabling
Environment**

**Institutional
Roles &
Functions**

**Management
Instruments**

**Water
for
People**



**Water
for
Food**



**Water
for
Environ-
ment**



**Water
for
Industry
& others**



For info on the DWAF DANIDA IWRM programme go to www.iwrm.co.za

Community-based IWRM Projects in the Olfants-Doorn

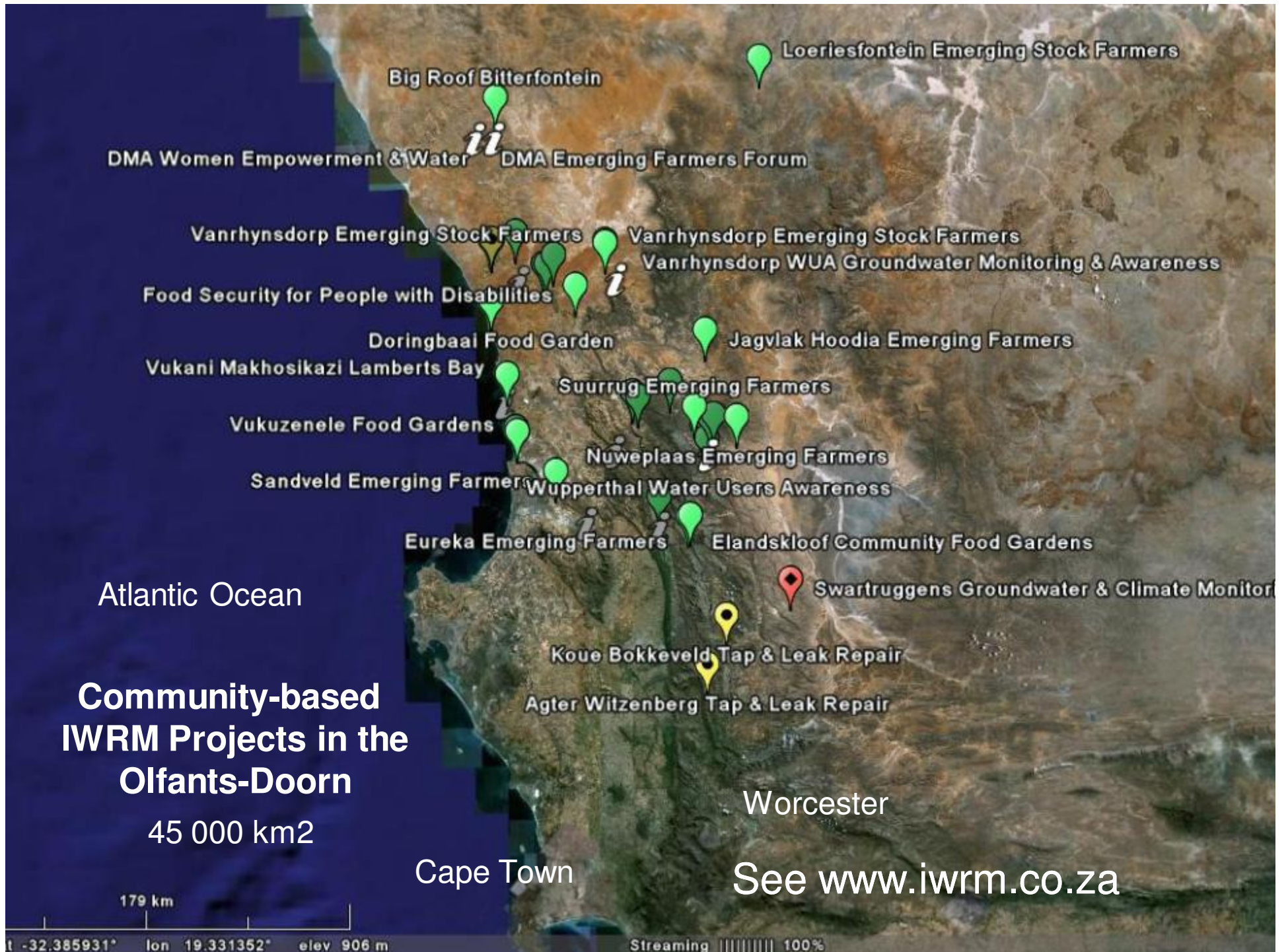
45 000 km²

Atlantic Ocean

Cape Town

Worcester

See www.iwrm.co.za



IWRM Overarching Themes

IWRM Water Theme

Water Quality / Pollution
Groundwater
Water Conservation
Agriculture / Irrigation
Environment

Social Theme

Health
Gender
Poverty Eradication
Capacity Building

Economic Theme

Local Empowerment
Seed Funding
Small-scale Infrastructure
Cooperatives / Micro Enterprise Development

See www.iwrm.co.za

IWRM Demonstration Projects in communities

- Empowerment
- Food Security
- Health
- Emerging Farmers
- Environment

See www.iwrm.co.za

The conceptual Empowerment Model

- Link capacity development directly to demonstrating and implementing IWRM projects that can improve livelihoods and community well-being.
- Communities then understand water management issues better and are able to interact with water management institutions, local authorities, commercial farmers, businesses, other state departments and funders.

IWRM Demonstration Projects in Olifants-Doorn (O-D)

Community groups contracted directly to implement IWRM projects:

- 21 Projects (2007)
- 17 Projects 2nd Phase (2008)
- 19 New projects (2008)
- Currently 41 projects funded
- Average R250 000 /project

See www.iwrm.co.za

IWRM Demonstration Projects in O-D municipalities

- IWRM I & II – Sandveld Groundwater Management Plan
- Waste Water Treatment Municipal Assistant
- Community Health Clubs
- Emerging farmer support
- Provincial Growth & Development Strategy
- Average R1/2 – R1 million /project

See www.iwrm.co.za



IWRM Demonstration Projects Capacity Building in the O-D

- IWRM Introduction & Call for proposals
- Proposal finalisation, budgeting & timeframes
- Contracts and financial systems
- IWRM Community Showcase Conference
- Water & the Ecology (WWF / WUA)
- Project Monitoring & Evaluation
- Water Week – Awareness & Gender Mainstreaming

See www.iwrm.co.za

IWRM Demonstration Projects Capacity Building in the O-D

- Sustainable Agriculture & Food Security
- Emerging Farmer Fora & Networks
- Water awareness training (WUA's)
- Groundwater, appropriate technology & irrigations systems
- Water & Health (Community Health Clubs)
- IWRM Experiences Conference 2009

See www.iwrm.co.za

Up-scaling



- The process of identification of potential projects for up-scaling has started with a view for funding from other sources.
- Lateral and vertical upscaling.
- Already up to eighty projects identified in KZN.



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Key lessons learned

- There is a need to adopt an holistic approach that goes beyond the water “silo”.
- It is essential that other government departments and municipalities actively come to the party in order to pool resources.
- Empowered communities want to shape their futures that is not dependent on a grant culture.
- Takes much time and effort (and passion).



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IWRM in the Olifants-Doorn

Short DVD Movie

See www.iwrm.co.za for more info
and regular updates



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Extra slides

IWRM Demonstration Projects

Monitoring and Evaluation

- Internal community based project meetings reportback using the Balanced Scorecard and Meeting Minutes – Early warning
- Interactive monitoring field visits record progress
- Financial performance monitoring highlights areas for attention
- All monitoring linked to IWRM Goals and MDGs

BALANCED SCORECARD

PROJECT NAME: _____ CODE: _____ DATE: _____

1. Complete the balanced scorecard with listing your own indicators.
2. Assess yourself and give each indicator an A for excellent, B for average and C where you can improve.

Internal / Operational	Impacts / Results
Planning & meetings <input type="checkbox"/>	_____ <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>

Inputs	External / Partners
IWRM support <input type="checkbox"/>	Local authority <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>
_____ <input type="checkbox"/>	_____ <input type="checkbox"/>

IWRM Goals

Water management	<input type="checkbox"/>
Empowerment	<input type="checkbox"/>
Poverty eradication	<input type="checkbox"/>
Women involvement	<input type="checkbox"/>
Youth involvement	<input type="checkbox"/>
Project sustainable	<input type="checkbox"/>
Other:	
_____	<input type="checkbox"/>
_____	<input type="checkbox"/>
_____	<input type="checkbox"/>

GEBALANSEERDE TELKAART

PROJEK: LAHLEZI CAMP

Kode: B122

Datum: 5-2-06

1. Vul essensief die telkaart met u eie aanwysers.
2. Gebruik A vir uitstekend, B vir gemiddeld en C vir kan verbeter.

<p>Intern / Operasioneel</p> <p>Bepanning & vergaderings <input type="checkbox"/> B</p> <p><u>FINANSIELE BESTUUR</u> <input type="checkbox"/> B</p> <p><u>SAMWERKING: LEDE</u> <input type="checkbox"/> A</p> <p><u>BYKOMING: OPLEIDING</u> <input type="checkbox"/> D</p> <p><u>ADMINISTRASIE</u> <input type="checkbox"/> B</p>	<p>Impak / Resultate</p> <p><u>BREIDERS OPERASIES</u> <input type="checkbox"/> B</p> <p><u>INKOMSTE UIT OES</u> <input type="checkbox"/> C</p> <p><u>INFRASTRUKTUUR</u> <input type="checkbox"/> B</p> <p><u>BESPREKING</u> <input type="checkbox"/> B</p> <p><u>AANPLANTINGS</u> <input type="checkbox"/> C</p>
<p>Insette</p> <p>IWRM ondersteuning <input type="checkbox"/> A</p> <p><u>FINANSIEEL</u> <input type="checkbox"/> A</p> <p><u>OPLEIDING</u> <input type="checkbox"/> A</p> <p><u>KOMMUNIKASIE</u> <input type="checkbox"/> A</p> <p><u>BESOEKE: SPP</u> <input type="checkbox"/> A</p>	<p>Ekstern / Venote</p> <p>Plaaslike owerheid <input type="checkbox"/> B</p> <p><u>SPP</u> <input type="checkbox"/> A</p> <p><u>GEMEENSKAP</u> <input type="checkbox"/> C</p> <p><u>DEPT LANDBOU</u> <input type="checkbox"/> A</p> <p><u>KOMMERSELE ROUPE</u> <input type="checkbox"/> B</p>

IWRM Doelwitte

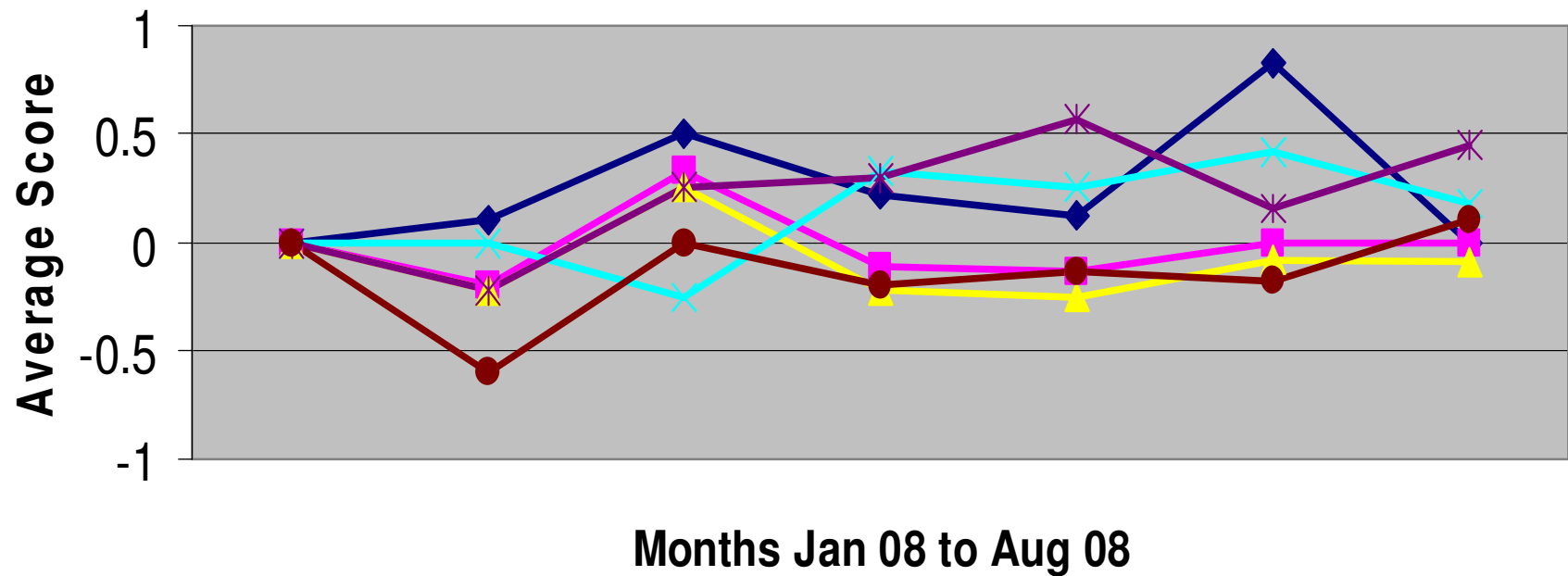
Water bestuur	<input type="checkbox"/> A
Bemagtiging	<input type="checkbox"/> A
Armoede verligting	<input type="checkbox"/> B
Vroue betrokke	<input type="checkbox"/> A
Jeug betrokke	<input type="checkbox"/> C
Volhoubare projiek	<input type="checkbox"/> B
Ander:	
<u>GEMEENSKAP</u>	<input type="checkbox"/> B
<u>VEELDOUIDIG SONTAK</u>	<input type="checkbox"/> B
<u>PLAASLIKE OEWERHEID</u>	<input type="checkbox"/> B

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IWRM Goals OlifantsDoorn Community Project Balanced Scorecard Score

1 = Achieving; 0 = Needs Improvement; -1 = Under-achieving

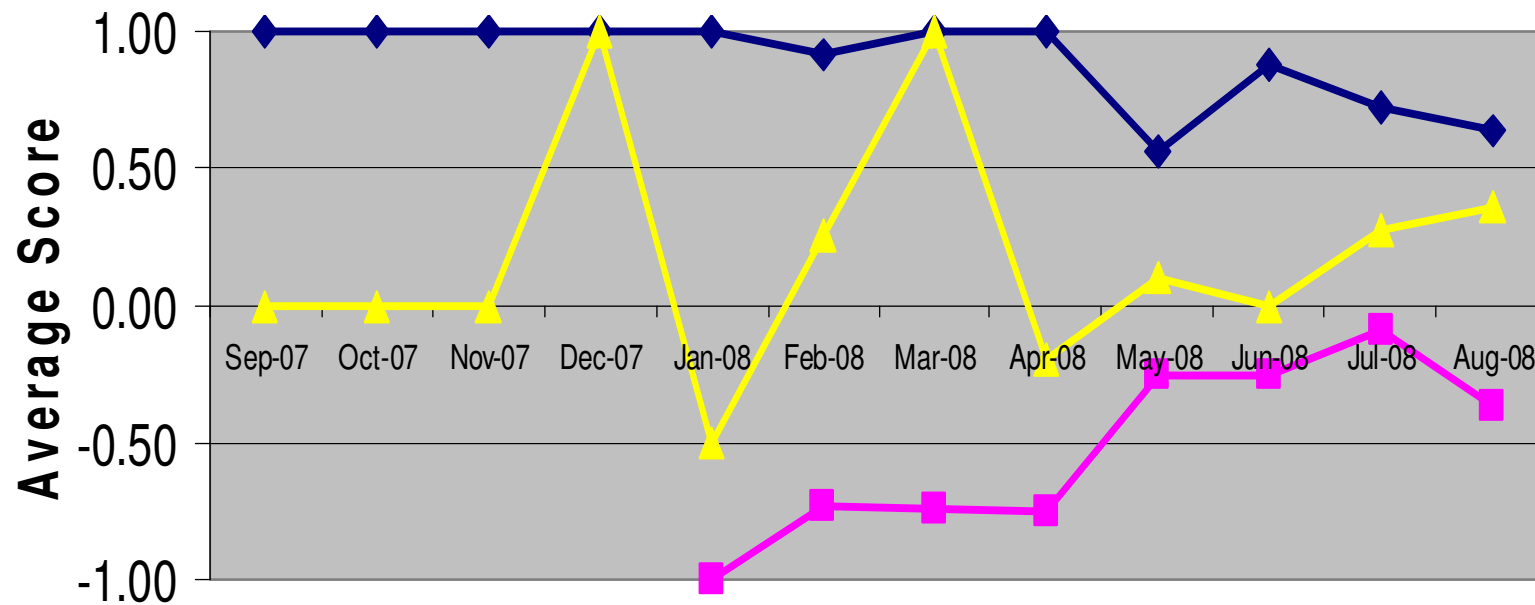


- ◆ Empowerment
- Eradication of Poverty
- ▲ Sustainable Project
- ✕ Water Management
- ✱ Women Involved
- Youth Involved

Pre-set Indicator Scores by Category

OlifantsDoorn Community Project Balanced Scorecard

1 = Achieving; 0 = Needs Improvement; -1 = Under-achieving

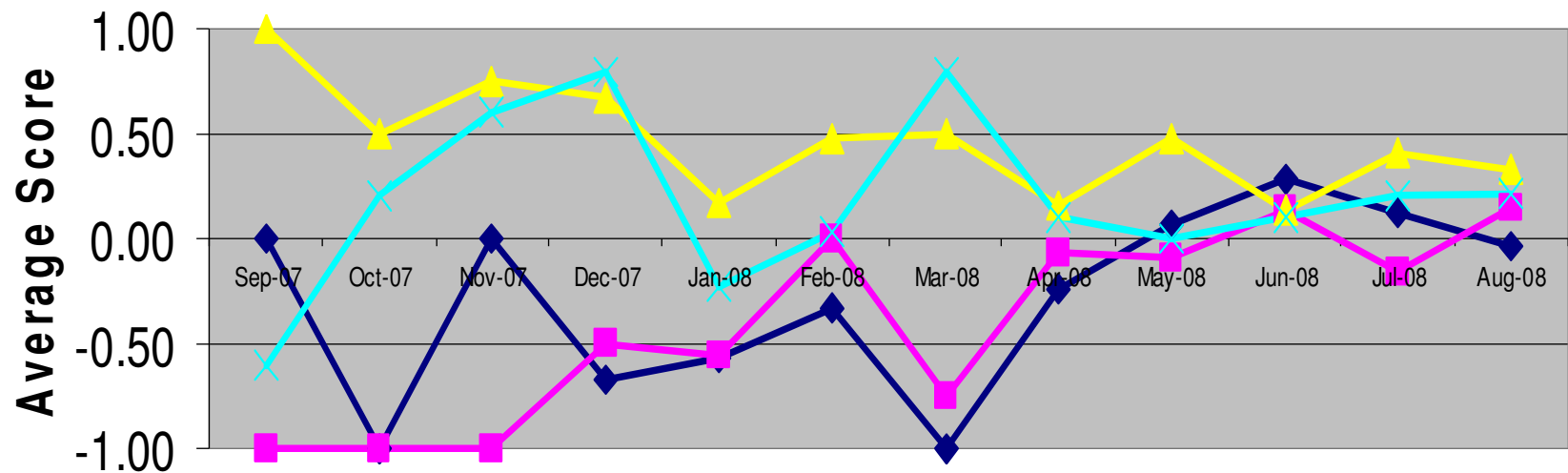


Months September 2007 - August 2008



Scores by Category OlifantsDoorn Community Project Balanced Scorecard

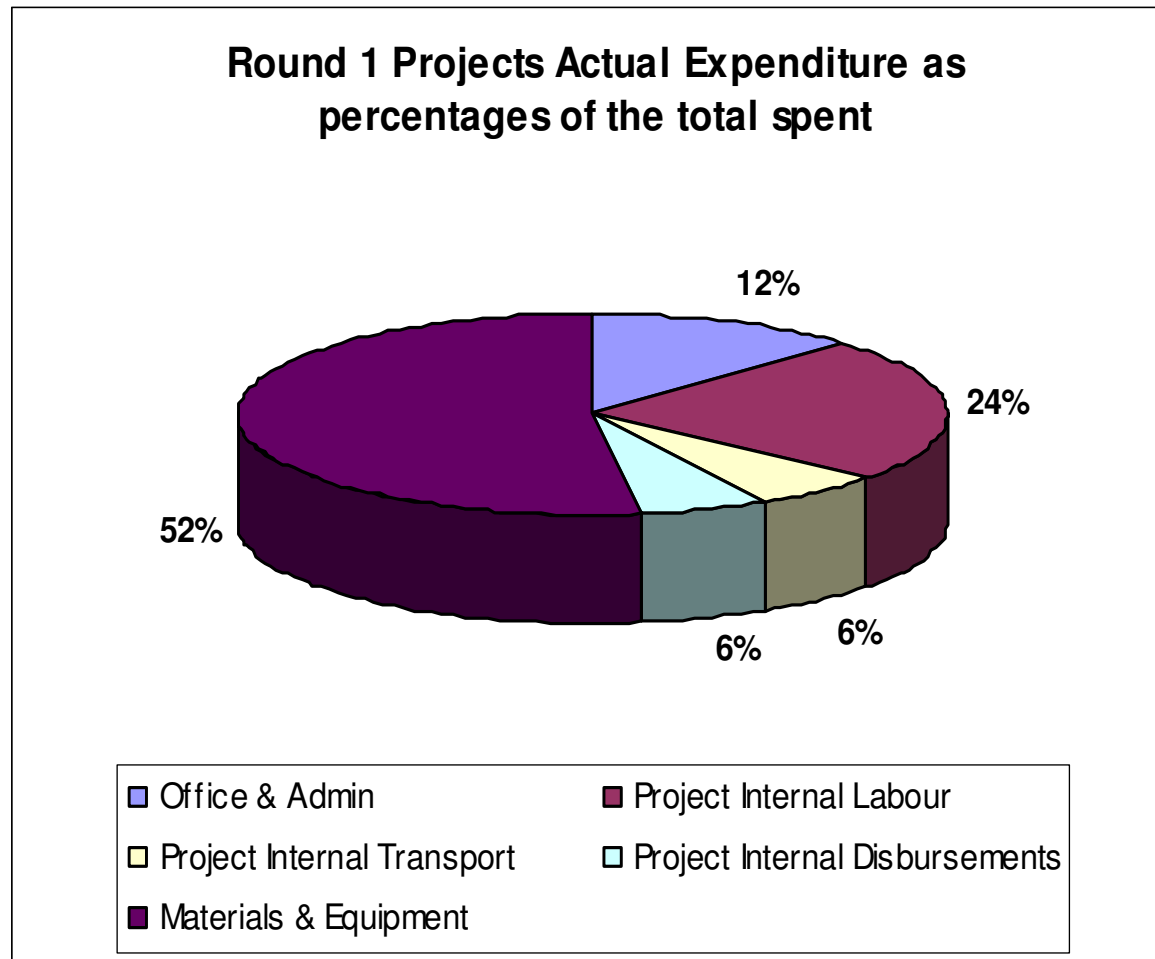
1 = Achieving; 0 = Needs Improvement; -1 = Under-achieving



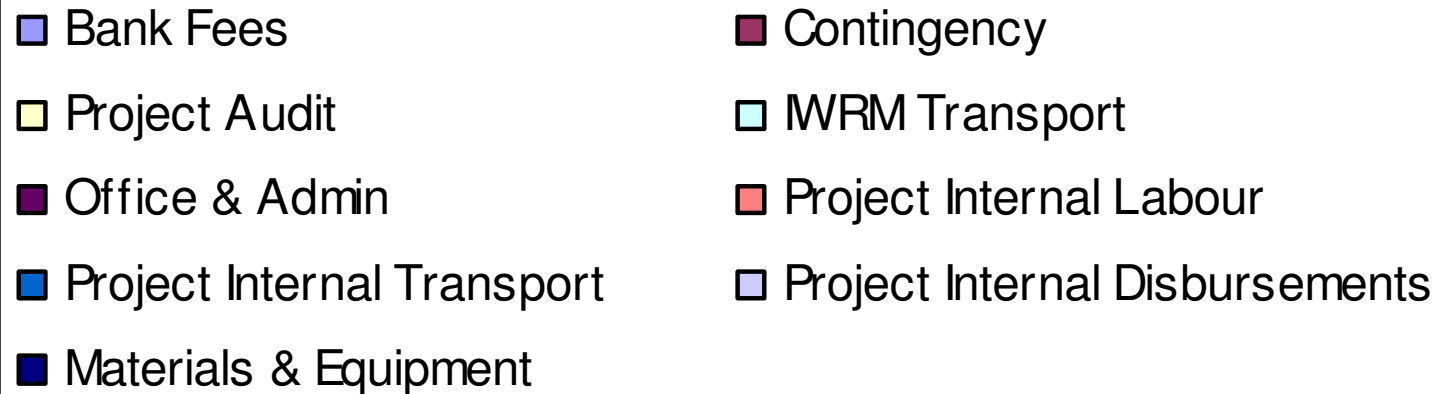
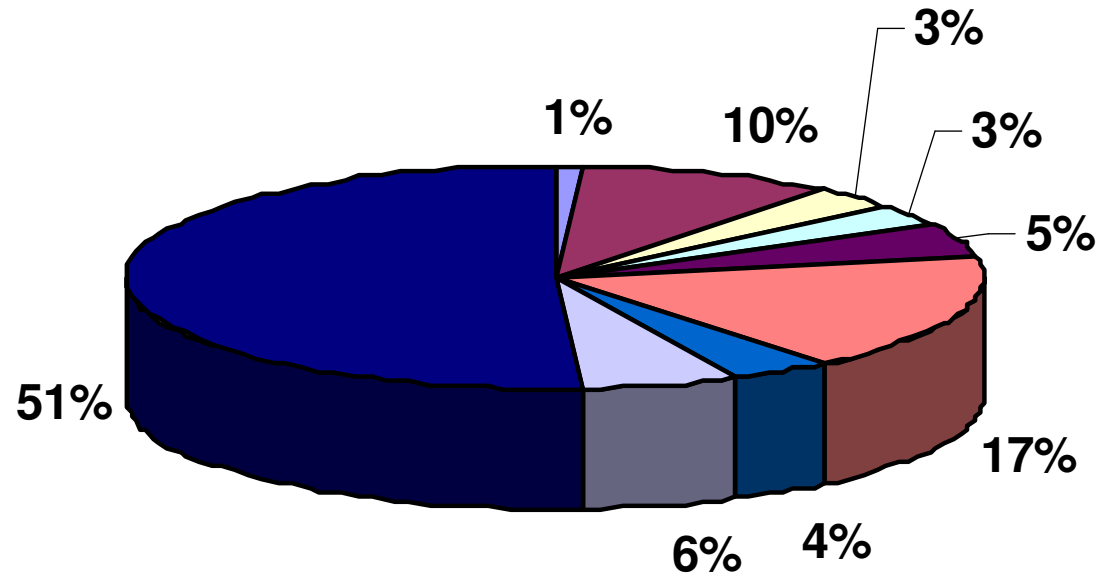
Months September 2007 - August 2008

◆ External Partners ■ Impacts / Results ▲ Inputs ✕ Internal / Operational

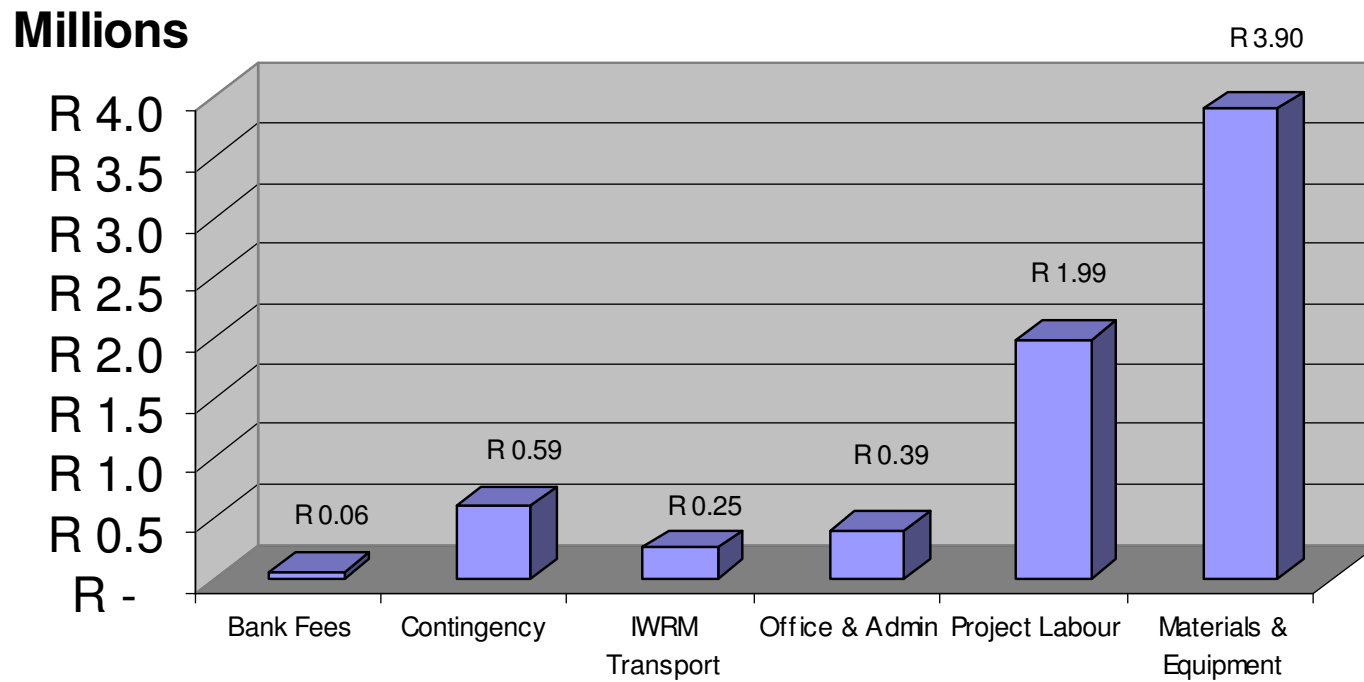
IWRM Demonstration Projects 2007 Budget Spent



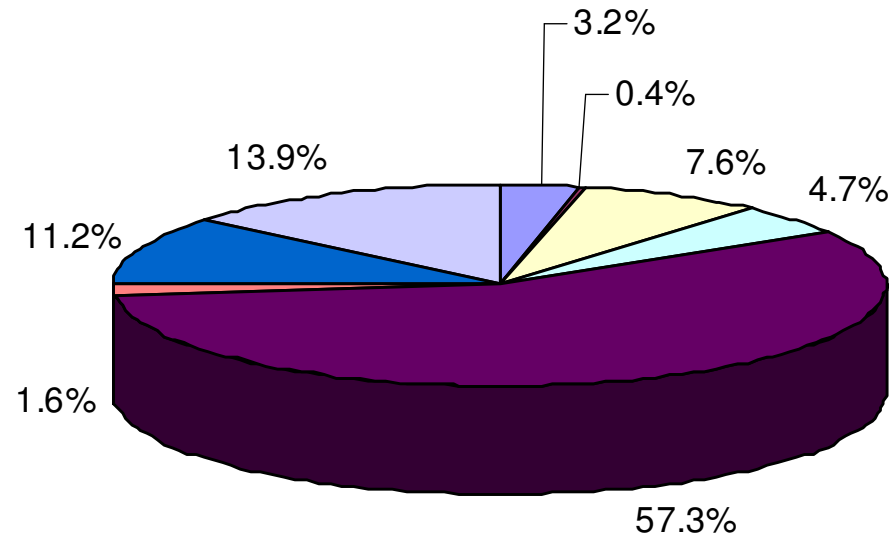
Round 2 Planned Budget Allocations



Olifants Doorn Community Project Planned Expenditure for July 2008 - July 2009



Material and Equipment Purchase Type as Percentage of Material and Equipment Budget



- Agricultural Services Total
- Events / Empowerment and Capacity Building Total
- Fencing Total
- Implements Hire and Purchase Total
- Irrigation Equipment / Upgrades & related Total
- Marketing produce Total
- Seeds / Fertiliser & related Total
- Tools & Equipment Total

IWRM Demonstration Projects

Partnerships

- Cooperative Governance: Municipalities & Department of Agriculture
- Water User Associations: adoption of projects
- NGO's & CBO's - advocacy water & land reform, capacity & empowerment
- Commercial farmers – advice, help (ploughing, access to markets)
- Businesses – market for produce, (discounts on purchases)



Lessons Learnt

Outputs & Results:

- Improved irrigation systems & equipment purchased & installed
- Vegetables produce for household & sale
- Organic certification & access to markets
- Greater awareness on water issues, management & IWRM within communities & stakeholders (compendium, conference, water week, DVD & banners, Ministers Budget Speech)



Lessons learnt

IWRM Olifants-Doorn Project Coordination

- Communication & Administrative systems remain regular, flexible and “open”
- Financial records support Integrated Planning to future opportunities
(Communities, Local Authorities, Dept Agric, Social Development, Health, etc)
- Project Management Group drives project & makes decisions with partners & project representatives

Lessons learnt

Community Mobilisation

- Communications must be supported by strong admin systems, integrated with meeting structures
- Shared goals need to be explained at all levels to ensure ownership
- Demands of project management model can be intimidating, but also push communities and their structures to the next level in terms of development

Lessons learnt

Stakeholders

- Communications system must be robust enough to survive “capacity” problems among stakeholders
- Shared goals are supported by legislation (Other government funding models find IWRM model “interesting”)
- Project management model allows for frequent “collective decision making” and shared successes.
- Meetings should allow everyone to participate and witness the results of their inputs

Lessons Learnt

Challenges (Solutions)

- Partnerships to be broadened (Roadshows & PMGs)
- Improve access to resources – land, finances (build track record / credit worthy)
- Longer term sustainability of projects (access to other funders / markets)
- Internal project dynamics – conflict (communication / interventions)
- Improving capacity levels (learning by doing)
- Remoteness of area (3 clusters & water mentors)
- Moving away from dependency “Grant” culture (sustainable projects)

Project activities supporting Exit Strategy

- Exit strategy developed with the beneficiary groups at inception.
- Building partnerships within & between communities – cluster networks, emerging farmer fora, water users
- Define clear roles and responsibilities (MOU / Agreement)
- Training the trainers – cluster mentors
- Strengthening cooperative governance – Water for Growth & Development, Municipalities, Agriculture, Social Services & Trade & Industry
- Accessing markets for produce – branding organic / social / water management
- Lessons learnt and experiences sharing between groups.
- Ongoing monitoring & evaluation.