

## **C. Capacity-building for integrated shared water resources management in Southern Africa**

**ECA, jointly with the ECE, and the ESCAP (\$606,800)**

### **Background**

11. The Southern Africa subregion is characterized by at least 15 shared water courses and aquifers. Five countries of the Southern African Development Community (SADC) have water dependency ratios of over 50 per cent<sup>1</sup> and 70 per cent of the regional surface water is shared between two or more countries. The subregion presents a high spatial and temporal variability in water resources availability. It is projected that in the next 20 to 30 years, three or four SADC countries will be facing serious water shortages. As economic growth progresses and population grows, several countries in the subregion are predicted to become “water stressed” by 2025. The subregion is also experiencing a high prevalence of droughts and floods, low access to safe drinking water and sanitation and widespread food insecurity due to low agricultural production. These factors could impact negatively on the capacity of countries of the subregion to meet the Millennium Development Goal targets on water and sanitation, unless urgent action is taken to address the issues.
12. Sustainable water management is central in attaining the major Millennium Development Goals. Water scarcity is central to the poverty challenge in Africa. The Southern Africa subregion has, over the past decade, taken steps towards the development of the SADC protocol on shared watercourses systems, the SADC regional water policy and the regional strategic water infrastructure development programme. The programme aims to develop water infrastructure needed to double land under irrigation and halve the proportion of people without access to safe drinking water and sanitation in Southern Africa by 2015.
13. The proposed project aims at supporting the SADC efforts in shared water resources management to expedite the attainment of the Millennium Development Goals in the subregion. It is designed to improve the regional management of the shared water resources and enhance the capacity of river basin organizations, national and regional bodies involved in the management of shared water resources in order to achieve equity, efficiency and sustainability in the use and management of shared water resources. The project will also be instrumental in promoting policy networking among river basin organizations through information-sharing and knowledge management, drawing on best practices and lessons learned from river basins such as the Mekong and Danube.
14. The project will also build on lessons learned from similar projects on shared water resources development projects implemented by the ECA in different subregions and countries in Africa, the ESCAP initiatives in promoting Integrated Water Resources Management in the Mekong River in collaboration with the Mekong River Commission, and the ECE support to the International Commission for the Protection of the Danube River. The project will be implemented by the ECA subregional office for Southern Africa, in collaboration with other divisions at ECA headquarters. ECA will also work closely with the regional water associations, the

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<sup>1</sup> FAO, 2006: Aquastat land and water use database, FAO, Rome.  
[www.fao.org/ag/agl/aglw/aquastat/main/index.stm](http://www.fao.org/ag/agl/aglw/aquastat/main/index.stm).

SADC and common market for eastern and Southern Africa secretariats as well as ESCAP and ECE in the implementation of the project.

15. The project is in line with objectives of the New Partnership for Africa's Development (NEPAD) and the African Ministerial Council on water commitment on improving national and regional initiatives for IWRM in countries and transboundary basins in Africa. It supports the Comprehensive Africa Agriculture Development Programme, NEPAD activity to increase land under-irrigation in Africa and the Agenda 21<sup>2</sup> advocacy on water use for sustainable development, as well as the African Network of Basin Organizations vision of mobilizing the practical experience on shared water resources management for development in Africa. The project also addresses the current ECA strategic focus on promoting regional integration and helping to meet Africa's special needs in support of NEPAD.

<p><b>Objective of the Organization:</b> To strengthen the capacity of Governments and river basin organizations in the SADC subregion in integrated water resources management for achieving the Millennium Development Goals, and contribute to accelerating progress towards achieving regional integration in the subregion.</p>	<p><b>Summary budget</b> (Thousands of United States dollars)</p> <table> <tr> <td>Consultants</td> <td style="text-align: right;">112.5</td> </tr> <tr> <td>Travel</td> <td style="text-align: right;">68.0</td> </tr> <tr> <td>Contractual services</td> <td style="text-align: right;">45.3</td> </tr> <tr> <td>Study tours</td> <td style="text-align: right;">45.0</td> </tr> <tr> <td>Operating expenses</td> <td style="text-align: right;">31.0</td> </tr> <tr> <td>Workshops</td> <td style="text-align: right;"><u>305.0</u></td> </tr> <tr> <td><b>Total</b></td> <td style="text-align: right;"><b>606.8</b></td> </tr> </table>	Consultants	112.5	Travel	68.0	Contractual services	45.3	Study tours	45.0	Operating expenses	31.0	Workshops	<u>305.0</u>	<b>Total</b>	<b>606.8</b>
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<p><b>Relationship to the strategic framework for the period 2010-2011 and the Millennium Development Goals:</b> ECA subprogramme 7 (Subregional activities for development); and subprogramme 5 (Economic cooperation and regional integration).</p>															

<b>Expected accomplishments of the Secretariat</b>	<b>Indicators of achievement</b>
<p>(a) Strengthened regional cooperation in the management of shared water resources to increase agricultural productivity, improve energy generation, and enhance access to clean drinking water and sanitation for poverty alleviation at the subregional level</p>	<p>(a) Increased number and capacity of experts in the subregion for integrated shared water resources management</p>
<p>(b) Enhanced capacities of river basin organizations, water sector policymakers and riparian communities for integrated shared water resources management</p>	<p>(b) Increased number of joint projects and activities undertaken by river basin organizations in the subregion and other activities aimed at promoting exchange of experiences and knowledge management</p>

### Main activities

16. The main activities of the project will include:
- (a) Tripartite ECA-ESCAP-ECE meeting on river basin management and shared water resources for development in Southern Africa: sharing experiences within the subregion and beyond for staff of river basin organizations to improve their technical skills and capacity in integrated water resources management,

<sup>2</sup> United Nations Conference on Environment and Development comprehensive plan of action  
[www.un.org/esa/sustdev/documents/agenda21/english/agenda21toc.htm](http://www.un.org/esa/sustdev/documents/agenda21/english/agenda21toc.htm).

learning from the best practices of the Mekong and Danube river basins, including identifying areas of possible collaboration;

- (b) Promoting exchanges of experts between river basin organizations in Southern Africa with the Mekong and the Danube River Commissions to encourage the implementation of common methodologies, and facilitate exchanges of information and networking on the IWRM standards and best practices;
- (c) Establishment of an electronic discussion forum of experts on shared water resources to promote information and knowledge-sharing (to be undertaken in partnership with the Mekong and Danube River Commissions);
- (d) Organizing a meeting in collaboration with the SADC secretariat on the implementation of shared water resources and integrated water resources management policies for achieving the Millennium Development Goals in Southern Africa and a high-level round-table dialogue on shared water resources policy challenges in the attainment of the Millennium Development Goals in Southern Africa (to be organized in collaboration with the Mekong River Commission and the International Commission for the Protection of the Danube River);
- (e) Organizing training workshops and seminars to strengthen national and regional institutions in the management of shared water resources (knowledge and data management, intercountry, intersectoral and riparian dialogue, participation and conflict resolution, regional integration approach in shared water management, development and project monitoring and evaluation) and capacity-building;
- (f) Organizing intraregional tours to study the strengths, weaknesses, opportunities and threats and achievements of the river basin organizations in the subregion and to create opportunities for staff from less developed basins bodies to learn from others, to share lessons learned with peers and prepare a consolidated and comprehensive study on the shared water resources and activities of river basin bodies in Southern Africa.

<b>C. Capacity-building for integrated shared water resources management in Southern Africa</b>		
<b>Implementing entities:</b> ECA in collaboration with ECE and ESCAP		<b>Duration:</b> 2010 – 2014
<b>Objective:</b> To strengthen the capacity of Governments and River Basin Organizations in the SADC subregion in Integrated Water Resources Management for achieving the MDGs, and contribute to accelerating progress towards achieving regional integration in the subregion.		
<b>Summary budget</b> (Thousands of United States dollars)	<b>Detailed budget (US dollars)</b>	
	<b>Consultants</b> International consultants for preparing of background studies and holding workshop ( in support of activities (a), (c) and (f)) (6 work months x \$10,000 per month) and \$7,500 for consultant(s) travel (\$67,500) Southern Africa / River Basins consultants for preparing case studies for workshops (in support of activities (a), (b) and (f)) (1 work month x \$3,000 per month x 15 Basins) (\$45,000)	112 500
Consultants		
Travel		
Contractual services		
Study Tours		
Operating expenses	<b>Travel</b> ECA-SA Staff: Organizing and coordinating the workshop, Round Table Dialogue and one expert group meeting (in support of activities (a) and (d)) (\$6,000 per person x 6 persons) (\$36,000) ECA-HQ, UNECE and ESCAP staff/ other UN staff: Participating as resource persons in workshops (in support of activities (a), (c), (d), and (e)) (\$4,000 per person x 8 persons) (\$32,000)	68 000
Workshops		
<b>Total</b>	<b>Contractual services</b> Translation of documents into French and Portuguese (in support of activities (a), (d), and (f)) Contractual services in support of all activities (\$21,300)	24 000 21 300
	<b>Study Tours (Fellowships)</b> Regional study tours for the SWOT of River Basin Organizations in southern Africa (in support of activity (f)) (\$3,000 per study tour x 15 study tours)	45 000
	<b>Operating expenses</b> Communications (in support of activities (a), (c), (b) and (d)) (\$11,000) Supplies (in support of activities (a), (c), and (d)) (\$20,000)	31 000
	<b>Seminars and Workshops</b> Tripartite meeting (in support of activity (a)) (10 participants x \$ 5,000 per participant) (\$50,000) Meeting with SADC countries , (in support of activity (d)) (\$2,000 per participant x 30 participants) (\$60,000) Two Training workshops (in support of activity (e)) (2 workshops x 30 participants x \$2,000 per participant) (\$120,000) High Level Policy Round Table Dialogue (in support of activity (d)) (1 Round table dialogue (\$2,500 per participant x 30 participants) (\$75,000)	305 000