The Water for Lakes State Programme is a bilateral water programme funded by the Dutch Government for the Republic of South Sudan (RSS). The vision of the programme is to balance the development and management of natural resources with water as an entry point in order to contribute to (national) security and to reduce dependency on food aid.

The aim of the programme is to stimulate economic development through:

- Diversification of the livelihood base through integrated development and management of water for production of livestock, agriculture, fisheries and habitats; safe water and improved sanitation (SWIS) and knowledge and capacity development (KCD) in integrated water resource management (IWRM)
- Creation of stability to local communities as a result of the above activities and thus move young people away from a war mentality
- Development of capacity as the foundation (process approach) for flexibility in accommodating change dynamics
- Linkage programmes to support the development of various water dependent economic sectors
- Mott MacDonald’s wide range of expertise allows us to provide technical assistance to the State Directorate of Water and Sanitation and the larger water sector of the RSS to address the integrated nature of this project

Our services

- Assist the State Government and County Administration with:
  - the determination of appropriate programme interventions
  - the selection of project sites using strategic environmental assessment information
  - arrangements for the implementation of Environmental Impact Assessment according to regulations set out in the Environmental Protection Bill 2010
- Programme identification and ranking (in agreement with County Level Administration (CLA) and involved communities)
- Policy, strategy, legal and operational framework development
- Implementation strategies, alliances, advisory and learning structures
- Strategic management processes (situation analysis, strategy formulation, strategy implementation, strategy evaluation)
- Design and put into practice a gender strategy for the programme, particularly in the SWIS component
- Co-ordinate multi-stakeholder programme steering mechanisms to support (participatory) planning and improvement in basic services delivery
- Procurement processes
- Capacity development of public, private and civil society organisations
- Design of multi-stakeholder co-operation arrangements including public private partnerships (PPPs)
- Preparation of financial and economic development plans

Mott MacDonald is providing design development and technical input towards decentralised water supply facilities for livestock in the dry season.
Project Components

Water for Livestock
Livestock rearing is a way of life, which has shaped the culture, social values and economic life for the majority of the South Sudanese. The Water for Livestock Component is intimately linked to the security and stability of rural communities. The Water for Lakes State Programme therefore hopes to make better use of various possibilities and innovations for water storage to ensure sustainable water supplies for livestock. Collaboration with initiatives of other organisations is also encouraged as the basis for future investments and linkage programmes.

Water for Agriculture
Lakes State is endowed with natural resources and favourable agro-ecological conditions that support subsistent farming of traditional crops adapted to local soil conditions, pests and diseases. The objective of the programme is to scale up small-scale initiatives that have an immense potential for development of cash crops for both local consumption and export. Thus increase food security and enhance the economic income from commercial crops through agricultural development based on staple food crops and diversification of crops.

Water for Fish and Habitats
Fishing is an important part of livelihood for the majority of the population of Lakes State. Though the fishing technology remains traditional (using spears, baskets, nets and even explosives), the vast water resources consisting of lakes, rivers (River Nile and its tributaries), seasonal river valleys, streams valleys and swampland have high potential for commercial fishing. However, low water availability, siltation and blockage by aquatic weeds and most important the loss of connectivity within local river systems has affected fish habitats. These challenges will be directly addressed by restoring the connectivity between floodplains, streams and other water bodies. Strong linkage programmes will also be encouraged to improve conservation of the aquatic habitat, facilitate micro-credit, processing and marketing facilities.

Water for People (Improved Water and Safe Sanitation)
Though South Sudan is relatively well endowed with water resources, communities face many challenges in terms of access to safe water. In Lakes State, access and coverage for drinking water (both quantity and quality) is low, and community ownership of such facilities is poor. On the other hand, the estimated overall sanitation coverage in the country is about 14.6%, with the National Baseline Household Survey of 2009, reporting only 5.5% of the population in Lakes State have pit latrines while 93.7% have no toilet facility at all and less than 1% use other types of toilets.

Knowledge and Capacity Development for IWRM
The IWRM Component aims to ensure a sustainable development and use of the water resource potential in an integrated manner. Thus capacity development takes part in all programme components and is considered a crosscutting issue with two broad approaches:

- Establish a hydrological (surface and ground water) and meteorological data collection into the national water information management system (WIMS)
- Develop watershed plans in the focal areas and carry out a programme of knowledge development through training, research, outreach and other capacity building aspects in collaboration with local, national, regional and international knowledge fostering institutions

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