UGANDA
NATIONAL REPORT ON IHP RELATED ACTIVITIES

1. ACTIVITIES UNDERTAKEN IN THE PERIOD JUNE 2012 – MAY 2014

1.1 Meetings of the IHP National Committee
The National IHP Committee for Uganda was first re-constituted in 2010, but because some members were less active, it had to be again re-constituted in 2012 with new membership based on re-defined criteria and is now fully operational.

1.1.1 Decisions regarding the composition of the IHP National Committee
The composition was based on consideration of the following criteria:

i. Representative from the line Ministry responsible for Water Resource Management
ii. Representative from Agencies dealing with water issues
iii. Representative from Academic Institutions researching and training manpower in water resources management
iv. Representative(s) from Private Sector/Civil Society Organizations in Water sector
v. Representation that engenders the composition of the Committee
vi. The Secretariat to be at the National Commission while the Chairperson should be from the line Ministry dealing with Water Resources.

On the basis of the above, the composition of the National Committee was drawn up consisting of 9 full members from water and environment, government agencies, NGOs, academic institutions, professional associations and the National Commission. The Chair of IHP Committee is Ministry of Water while the Secretariat is Uganda National Commission for UNESCO. The list of the IHP National Committee is as shown in the table below.

**LIST OF NATIONAL IHP COMMITTEE MEMBERS**

<table>
<thead>
<tr>
<th>Name of Official/Member</th>
<th>Work Place</th>
<th>Constituency</th>
<th>Remarks</th>
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<tbody>
<tr>
<td>1 Dr. Callist Tindimugaya</td>
<td>Ministry of Water and Environment, Directorate of Water Resources Management</td>
<td>Gov’t Hydrologist &amp; Water Resource Dept</td>
<td>Chairman</td>
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<td>2 Dr. Max Kigobe</td>
<td>Makerere University,</td>
<td>Academic/Research Institution</td>
<td>Member</td>
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<tr>
<td>3 Dr. Isaac Mutenyo</td>
<td>Kyambogo University/Institution of Professional Engineers</td>
<td>Academic/Research Institution/Professional body</td>
<td>Member</td>
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The Secretary General of the National Commission plays an advisory role to the IHP National Committee.

During the period under review, the IHP National Committee has held three meetings.

1.1.2 Status of IHP-VII activities (including IHP-VIII activities if applicable)

Some work has been on-going on IWRM approaches in schools based on river basins under Education for Sustainable Development (ESD) programme, in Kyoga, Victoria and Albertine basins

1.2 Activities at national level in the framework of the IHP

1.2.1 National/local scientific and technical meetings

- Participation in UNESCO GRAPHIC program. Study site has been maintained in Uganda since 2009 and results of the groundwater monitoring are regularly used in assessment of impacts of climate change on groundwater resources.
- Coordinated and guided the project for Assessment of vulnerability of groundwater resources to pollution in urban areas with specific focus on Kampala, 2012.
1.2.2 Participation in IHP Steering Committees/Working Groups: Participated in meetings of National IHP Committees in Africa in 2012 and 2014

1.2.3 Research/applied projects supported or sponsored: Project for Assessment of vulnerability of groundwater resources to pollution in urban areas with specific focus on Kampala, 2012

1.2.4 Collaboration with other national and international organizations and/or programmes

- Participation in a workshop on Water for peace in Africa programme held in Dar es Salaam, Tanzania in December 2013.
- Compilation of information on transboundary aquifers in Uganda under TWAP and participation in a regional meeting on TWAP held in Nairobi, Kenya in March 2014
- Participation in UNESCO/GEF regional Groundwater Governance workshop held in Nairobi, Kenya in 2012
- Participation in UNESCO/IGRAC workshop on Global Groundwater Monitoring held in Nairobi, Kenya in 2012.

1.2.5 Other initiatives

- Facilitating linkages and collaboration between academic institutions and water management and development agencies to improve CB in water related issues.

1.3 Educational and training courses

1.3.1 Contribution to IHP courses: None

1.3.2 Organisation of specific courses: None

1.3.3 Participation in IHP courses: None

1.4 Cooperation with the UNESCO-IHE Institute for Water Education and/or international/regional water centres under the auspices of UNESCO

Not undertaken

1.5 Publications: None specific to IHP, but a publication on a concluded Participation Programme of 2012/13 Biennium entitled: «Geohazards
1.6 **Participation in international scientific meetings**

1.6.1 Meetings hosted by the country
A meeting co-organised with GWP and Ministry of Water and Environment in 2013 and 2014 national consultations on water in the post 2015 development agenda

1.6.2 Participation in meetings abroad:

- Participation in IHP 8 implementation taskforce meetings in Cologne, Germany in 2012 and Nairobi, Kenya in 2013
- Participated in the 37th General Conference and held discussions with the IHP officials in the section of Groundwater Resources and Aquifer Systems among others in Paris, November 2013.

1.7 **Other activities at regional level**

1.7.1 Institutional relations/cooperation:
As seen in the representation on the IHP National committee, there is a good network of collaboration that involves the line Ministry responsible for Water Resource Management, Government Parastatal I overseeing water supply in the Country and its wide network of service providers, the academic Institutions that conduct research and train manpower for water resources management, the Private Sector/Civil Society Organizations dealing with Water sector and the network of water professionals and regulatory bodies

One Specific instance of collaboration was the participation in the high level panel UNESCO Strategic workshop on Water Security and Cooperation in Africa held in Nairobi, Kenya in 2013

1.7.2 Completed and on-going scientific projects: Project for Assessment of vulnerability of groundwater resources to pollution in urban areas with specific focus on Kampala, 2012

2. **FUTURE ACTIVITIES**

2.1 Activities planned until December 2014

i) Promotion of adaptation to the impacts of climate change on aquifer systems

ii) Promoting the management of transboundary aquifers: case of Karamoja & Turkana regions.
iii) Finalise linkage and collaboration framework between academic institutions and water management and development agencies to improve CB in water related issues

iv)

2.2 Activities foreseen for 2015-2016

i) Continue promoting the management of transboundary aquifers: case of Karamoja & Turkana regions.

ii) Scaling up activities for adaptation to the impacts of climate change on water resources (surface and groundwater)

iii) Eco-hydrology system solution and ecological engineering for the enhancement of water, and ecosystem resilience and ecosystem services

iv) Shaping of the catchment ecological structure for ecosystem potential enhancement, biological productivity and biodiversity.

v) Urban Eco-hydrological – storm water purification and retention in the city landscape, potential for improvement of health and quality of life

vi) Management of climate change induced water related disasters (floods and droughts)

2.3 Activities envisaged in the long term

a. Eco-hydrological regulation for sustaining and restoring connectivity and ecosystem functioning focused on Improving ecosystem quality and services by combining structural solutions with ecological biotechnologies (waste H2O treatment, irrigation, crop varieties etc.

b. Ground water dependent ecosystems identification, inventory and assessment

c. Continue implementing activities for adaptation to the impacts of climate change on water resources (surface and groundwater)

d. Water education in lower and higher level education institutions

Conclusion

The IHP programme can play a very important role in supporting Uganda to implement its strategic plans for water resources management and development especially through capacity building, improving knowledge base, governance and management.

Recommendations.
The following recommendations are based on the situational analysis conducted by the members of the IHP National Committee:

1. There is great need to develop indicative annual plans for IHP activities at national and regional levels based on the global IHP strategic plan that will lead to regular reporting and accountability for activities.

2. There is need for closer linkages of the global and IHP national committee activities with the national water-related plans and strategies to show relevance and attract national level support.

3. There is a further need to improve governance of IHP at national and regional levels through regular meetings and reporting. Some special support in form of projects can foster such regional networking.