

United Nations Environment Programme

Fresh Water for the future

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A synopsis of UNEP activities in water



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Foreword

Addressing water related challenges is one of the preoccupations we face in our day to day lives. It is also prioritized at a global level. Improving access to water is one of the key goals to meet in the Millennium Development Goals (MDGs); while many of the other goals related to human health depend indirectly on access to water. The current global trends show scenarios where maintaining our ecosystem and ecosystem services will become more difficult, therefore impacting on the provision of water that is so essential for human well-being.

In 2007 the UNEP Governing Council adopted it's Water Policy and Strategy which promotes an integrated water resources management approach. This approach to improve water management incorporates environmental, economic and social factors as key pillars for ensuring sustainable management and the equitable distribution of water. Five years down the line, the UNEP interdivisional water group has developed its Freshwater Operational Strategy which will guide its work up to 2017.

This booklet emerged from the process of preparing the Freshwater Operational Strategy, thus complimenting it. It presents UNEP's comparative advantages and its catalytic role in influencing other partners and UN agencies in meeting the global water challenges. It highlights a few of the organisations achievements and success stories over time as well as contemporary water challenges for further considerations along with partners as part of the international agenda.

In brief the publication gives a snapshot of the significant contribution that UNEP with its partners have made around the world in protecting our limited fresh water resources for the improvement of livelihoods, focusing on the ecosystems approaches in line with its mandate case studies range from on-ground intervention to normative work at national, regional and global level. The cases presented here illustrate UNEP's work at the global, regional, national, catchment and sub-catchment levels. No effort has been made to depict regional balance of the cases presented.

Finally, we would like to thank the many partners that we have worked with who have helped us in shaping our work. It is our hope that we will continue working together in the next few years as we focus on the four priority areas of the Fresh Water Operational Strategy: Meeting the global water quality challenge, benefiting from aquatic ecosystems, building resilience to climate change through water management and mainstreaming resource efficiency.

Division of Environmental Policy Implementation



1. What about water?

"The achievement of all the Millennium Development Goals... hinges on the quality and quantity of available water as water plays a disproportionately powerful role through its impact on, among other things, food production and security, hygiene, sanitation and health and maintenance of ecosystem services."

Achim Steiner, Executive Director of UNEP

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It's no use closing the proverbial door after the horse has bolted, nor is it worth waiting until the world water situation is in even deeper crisis. With UNEP's water policy for 2007-2012 coming to an end, a Freshwater Operational Strategy (FOS) (2012-2016) has been prepared to address the increasing magnitude of water issues. The FOS is based on integrated water resources management, which takes a holistic approach to addressing water-related issues.

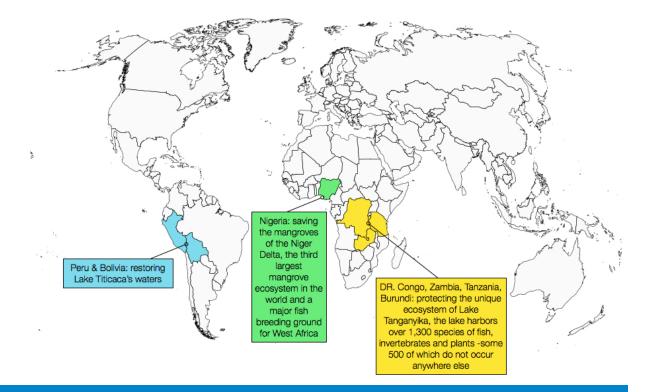
In today's world of growing human population and accelerating development, alongside the uncertainty caused by climate change, the world's ecosystems are under pressure. Water is fundamental for these ecosystems to remain alive and healthy. Water enables the provisio©n of multiple ecosystem services and supports food production. Industries are heavily reliant on water, both in terms of production and for electricity generation. At the household level, access to clean water and adequate sanitation services are a constant cause for concern

Water is one of UNEP's top priorities as it spreads awareness of the urgent need to transform financial systems through green economy approaches. UNEP's freshwater policy and strategy promotes environmental sustainability as key to the management of all water resources. This means using integrated ecosystem management approaches, within a wider framework of internationally agreed targets and goals relevant to water and socio-economic development. An ecosystem management approach factors in the full range of ecosystems, looking at hydrological basins as a whole, upstream to downstream, while also acknowledging environmental, and social, cultural and economic needs. These include maintaining the biodiversity and health of the environment while protecting ecosystems in order that they can continue their vital, multi-tasking role to humanity: combatting climate change and pollution, while providing services to promote our health and well-being.

UNEP plays a crucial role in assisting countries and communities dealing with disasters and conflicts, while also influencing resource management in the long-term. Increasing emphasis is put on managing water as part of this holistic ecosystem approach, within a Green Economy. The Green Economy concept and ecosystem approach promote taking a broader perspective when making decisions involving water efficiency, accounting for and valuing services provided by ecosystems, while also incorporating climate change considerations into planning and management approaches.

UNEP's worldwide assessment work, publications and projects highlight a range of critical issues for freshwater, identifying new opportunities for restoring ecosystems, improving water efficiency and productivity, as well as reducing waste and re-using water. Demonstrating innovative approaches and building capacities of countries is also an important part of UNEP's work to trigger change. Some publications and projects are briefly outlined here, demonstrating how UNEP has shown that human livelihoods and the environment can reap the benefits of sustainable water management.

"Well managed, healthy freshwater systems support sustainable development and human well-being." Vision statement



2. Water quality for life

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