

# **International Network to Promote Household Water Treatment and Safe Storage**

## **The Network**

**Global WASH Forum**

**1 December 2004**

# Meeting International Commitments

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1.1 billion people lack access to an "improved" drinking water source

- Priority: expanding access

*5.2 billion* served with improved source, but many households draw unsafe water

- Priority: ensure household water safety
- How: help families treat suspect water drawn from pipes or protected wells

**Household water treatment and safe storage contributes to meeting MDG 7 target 10 for sustainable access to safe drinking water**

# Why Household Water Treatment and Safe Storage (HWTS)?

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- 1.8 million diarrhoeal deaths/year
- 88% attributed to unsafe water, inadequate sanitation and hygiene

HWTS can make an *immediate* difference:

- **Effective:** Reduce risk of diarrhoea by 39%
- **Cheap:** Up to US\$60 in benefits for every US\$ invested
- **Empowers families:** Households choose what is best for them from a menu of options

# What is HWTS?

## Examples of Interventions

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- Boiling
- Chlorination
- Solar disinfection
- Combined flocculation/disinfection
- Ceramic filtration
- Slow sand filtration
- *and safe storage*



# Why a Network?

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## The Need for a Network

- Rapidly developing field, hence lack of awareness
- Lack of a coherent voice hinders adoption at policy forums
- Research fragmented and not always accessible
- Practitioners are diverse and initiatives disconnected

## The Added Value

- Network model encourages cooperation, while optimizing flexibility, participation and creativity.
- Coordinated advocacy efforts and provide communications resources
- Support members
- in countries to engaging with policy-makers
- Develop common research agenda
- Share implementation experiences

# Network Mission

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*To contribute to a significant reduction in waterborne disease,*

*especially among vulnerable populations,*

*by promoting household water treatment and safe storage*

*as a key component of water, sanitation and hygiene programmes.*

# Network Objectives

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## Communication

- a forum, information clearing house and vehicle to share information on evidence-based approaches

## Advocacy

- advocate, promote and facilitate the inclusion of household-based technologies in policies and practices
- promote Network activities to reach new potential members

# Network Objectives (2)

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## Research

- promote research to develop appropriate technologies
- field test promising technologies
- collect, analyse and disseminate independent and comparable data. WHO normative work provides the harmonised basis

## Implementation

- empower people without access to safe water to take charge of their own drinking water safety
- provide people with access to affordable and appropriate solutions
- particular attention to sustainability, and vulnerable populations (e.g., HIV/AIDS)

# Guiding Principles

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## The Network:

- Will use evidence-based approaches.
- Will actively seek to understand target communities and involve local people.
- Will recognize the role of women in household management of water.
- Will operate in a balanced manner in terms of regions, technologies, and types of member organizations involved.
- Will maintain an agile structure and administration (“light” network).



# Network Members

the most  
affected

professional  
networks

bilateral/gov.  
agencies

the private  
sector

academic  
institutions

NGOs

international  
organizations

intl. financial  
institutions

# Network Participants (November 2004)

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- Action Contre la Faim, Sudan
- African Peri-Urban Community, Kenya
- American Red Cross, International Services Department
- Anglican Church of Kenya
- Asian Institute of Technology (AIT), Thailand
- BioSand Filter/Bush Proof, Madagascar
- CARE, USA
- CAWST, Canada
- Centers for Disease Control and Prevention (CDC), USA
- Center for Environmental Research (CNRE), Madagascar
- Center for Global Safe Water (Emory University), USA
- Cranfield University, UK
- Department for International Development, UK
- Department of Water and Sanitation in Developing Countries at the Swiss Federal Institute for Environmental Science and Technology, Switzerland
- Emory University, USA
- First Water, USA
- IDE Nepal
- International Committee of the Red Cross, Switzerland
- International Council of Nurses, Switzerland
- International Federation of Red Cross and Red Crescent Societies
- International Water Association, UK
- Johns Hopkins University, USA
- Kenya Water for Health Organization (KWAHO)
- London School of Hygiene & Tropical Medicine, UK
- Massachusetts Institute of Technology, USA
- Medair, Switzerland
- Medentech, Ireland
- Ministry of Health, Kenya
- Ministry of Public Health, Thailand
- National Nurses Association of Kenya
- Nursing Council of Kenya
- NETWAS International, Kenya
- National Institute of Communicable Diseases, India
- Oxfam, UK
- Plan International
- Population Services International
- Potters for Peace, Nicaragua
- Practica Foundation, Netherlands
- Procter & Gamble, USA
- Safe Water Access and Training Consultants
- Samaritan's Purse, Canada
- Society for Sustainable Development, Pakistan
- SWL Consultants, UK
- Suez, France
- Rotary International
- Reckitt Benckiser, UK
- ResourceLinC, USA
- Rural Africa Water Development Project (RAWDP)
- United Nations Children's Fund (UNICEF)
- The United States Agency for International Development (USAID), USA
- University of North Carolina, USA
- University of Pretoria, South Africa
- Water Aid, UK
- Water and Sanitation Collaborative Council (WSSCC)
- World Chlorine Council
- World Bank
- World Health Organization (WHO)

# The Network: November 2004



**Network  
Strategic  
Plan**

- 60 collaborating organizations
- Implementation in over 50 countries
- WHO commitment, Secretariat

# 2<sup>nd</sup> Annual Meeting, Nairobi, 14-15 June 2004

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- Objective: operational plan to advance the Network towards its agreed strategic goals
- Agreement on specific activities related to four working groups
- More than 60 participants
- Followed by International Symposium on Household Technologies for Safe Water, 16-17 June
- Mounting evidence, growing capacity, collective momentum, on HWTS

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# Examples of Current Activities

# Advocacy and Communications

- Engage with policy-makers and practitioners (e.g. IWA)

## Communications Tools

- Newsletter
- Website
- Inventory of HWTS activities and programs
- Case studies...



The screenshot shows the WHO website page for 'Household Water Treatment and Safe Storage'. The page features a navigation menu on the left with categories like Home, About WHO, Countries, Health topics, Publications, Research tools, WHO sites, Household water, Network, Advocacy and communications, Research, Implementation, and Information resources. The main content area includes a breadcrumb trail 'WHO > WHO sites > Household water', a title 'The International Network to Promote Household Water Treatment and Safe Storage', and several sections: 'A Major Burden' (1.7 million deaths annually), 'Our Insight' (preventable through safe water and hygiene), and 'Network Mission' (reducing waterborne disease). A photo shows a person filling a yellow water container. The right sidebar contains links for 'Water, Sanitation and Health', 'HWTS TECHNOLOGIES', 'Managing water in the home', 'HWTS Technology Options', 'Newsletter', and 'Contact us'.

[www.who.int/household\\_water](http://www.who.int/household_water)

# Research

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## Examples:

- High numbers of just-completed and on-going studies (e.g. Nairobi Symposium on Household Water Technologies)
- WHO Report: Managing water in the home
- Technology verification (with Implementation WG and to be harmonized with WHO GDWQ)
- World Bank/WHO study on cost-effectiveness

# Implementation

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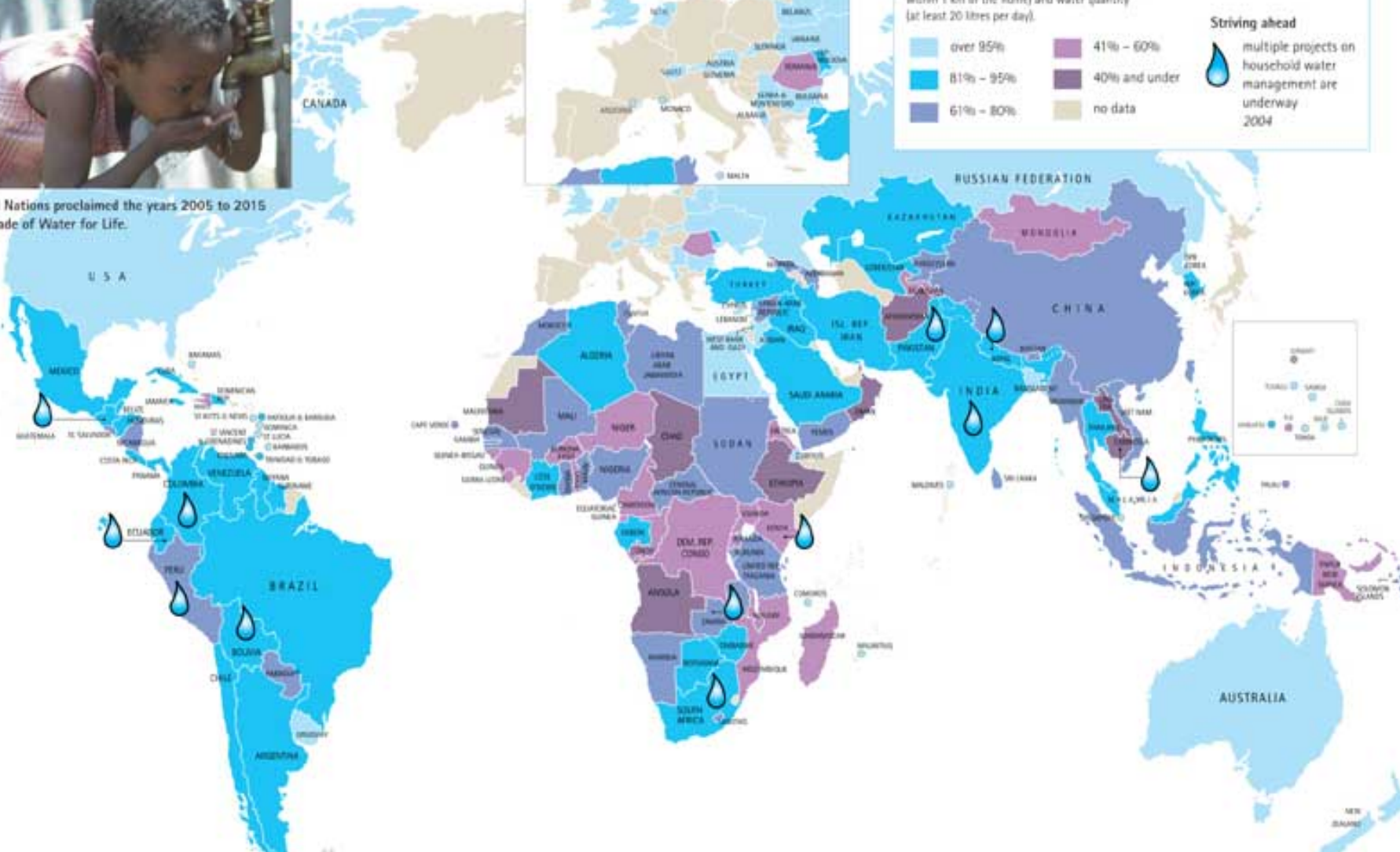
- The backbone of the Network
- Network members working to incorporate HWTS as a component of water, sanitation and hygiene projects
- Working group to provide tools to assist implementers, including guidance on technology options
- Activities taking place all over the world
  - (see water droplets on next slide)

# Implementation

## Water for All: Making it Happen



The United Nations proclaimed the years 2005 to 2015 as the Decade of Water for Life.



# More information

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Please visit:

[www.who.int/household\\_water](http://www.who.int/household_water)

Email:

[hhwater@who.int](mailto:hhwater@who.int)

**Membership is open to institutions that:**

- ***agree with the mission, guiding principles***
- ***contribute to the plan of work***