



The WSSCC Operation & Maintenance (O&M) Network Water Supply and Sanitation

THE O&M NETWORK

- Sponsored by WSSCC
- Coordinated by NIPH, Tokyo
- Members are sector professionals, practitioners and academics
- Aims to promote O&M internationally
- Dissemination by means of tools, project guidance and workshops



AIMS OF THE NETWORK

- To support the information process on operation and maintenance by regional or national resource centres.
- To promote available O&M tools prepared by the O&M Working Group.
- To revise, upgrade and adapt (to local context) O&M tools.
- To promote country level policy formulation for O&M and its sustainability.
- To contribute to a more efficient and effective use of limited resources.

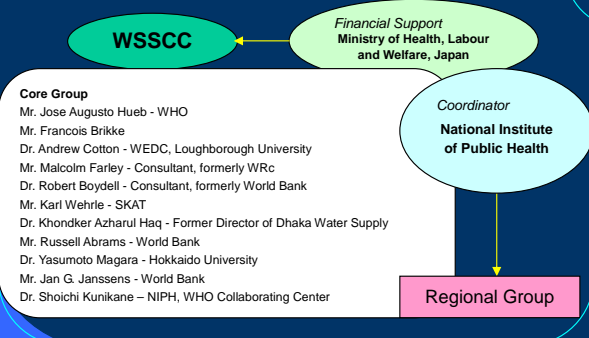
WHY O&M is important?

30%-60% of water supply and sanitation services are non-operational

O&M is essential for:

- Cost-effective, efficient, and sustainable operating systems
 - Health and well-being of the community
- O&M needs to be:
- Planned at an early stage of the project
 - Built into operational programmes

SCHEME OF THE O&M



Improved O&M leads to improved water and sanitation services



O&M-THE CONSTRAINTS

- Low profile and poor accountability
- Poor design of systems
- Poor management
- Lack of finance and misuse of funds
- Low level of technical support
- Lack of spare parts
- Lack of training
- Political interference

Some examples of O&M issues

Low profile and accountability Poor design of systems Lack of spare parts



Unreported pipe bursts in Upolu, Samoa



Poor management



Roofwater harvesting tank, Zanzibar - installed by a donor agency

But in an area of low rainfall



Borehole and pump, managed by village community, Pemba, Zanzibar

But no spare parts to fix the leaking valve

Lack of Finance

Unfinished well-head and drain construction, Zanzibar



Low level of technical support

Pipes from a mountain stream source to the distribution network, Rarotonga, Cook Islands



What can the O&M Network do to promote and disseminate good O&M practice?

Disseminate tools developed by the O&M Network

- Case Studies
- Status Assessment
- A Guide for Managers
- Leakage Management and Control
- Optimising Water Treatment Plants
- O&M Management in Rural Areas
- Models of Management Systems
- Technology Choice
- Network Survey
- Handpumps

Encourage local manufacture

Making 'sanplats' in a village in Malawi



Skill transfer

Borehole drilling in Kampala, Uganda



Promote community education

Misuse of water supply in Hanoi, Vietnam

Facilitate workshops

Working group at an O&M workshop in Malawi



Community empowerment

Latrine in Kalembo, Malawi
Built and maintained by the community



Organise training courses

Training yard for leakage investigation in Vietnam



HOW TO CONTACT THE O&M NETWORK

- Its coordination was taken over from the World Health Organization (WHO) by the National Institute of Public Health (NIPH) at the fifth forum in 2000
- <http://www.niph.go.jp/soshiki/suido/omn/index.htm>
- Those who wish to have technical support or to hold a regional workshop, please contact : Dr. Mari Asami, NIPH, the coordinator, e-mail:omn@niph.go.jp