

EU Water Governance Programme

Kiribati Pilot Project



Goal of EU Water Governance Programme

*to mainstream the principles of **good water governance** into day-to-day applications and pilot projects so as to assist in achieving sustainable water resource management and provision of water services.*





Effective Water Governance

Effective governance includes the ability to ***design informed public policies*** that have as their goal the ***sustainable development***, management and use of water resources.

It also involves the ***building of social acceptance and support*** for them and the development of ***strategies to implement and improve*** them.

Kiribati Imperatives

AIDAB Pacific Regional Team Report, 1993

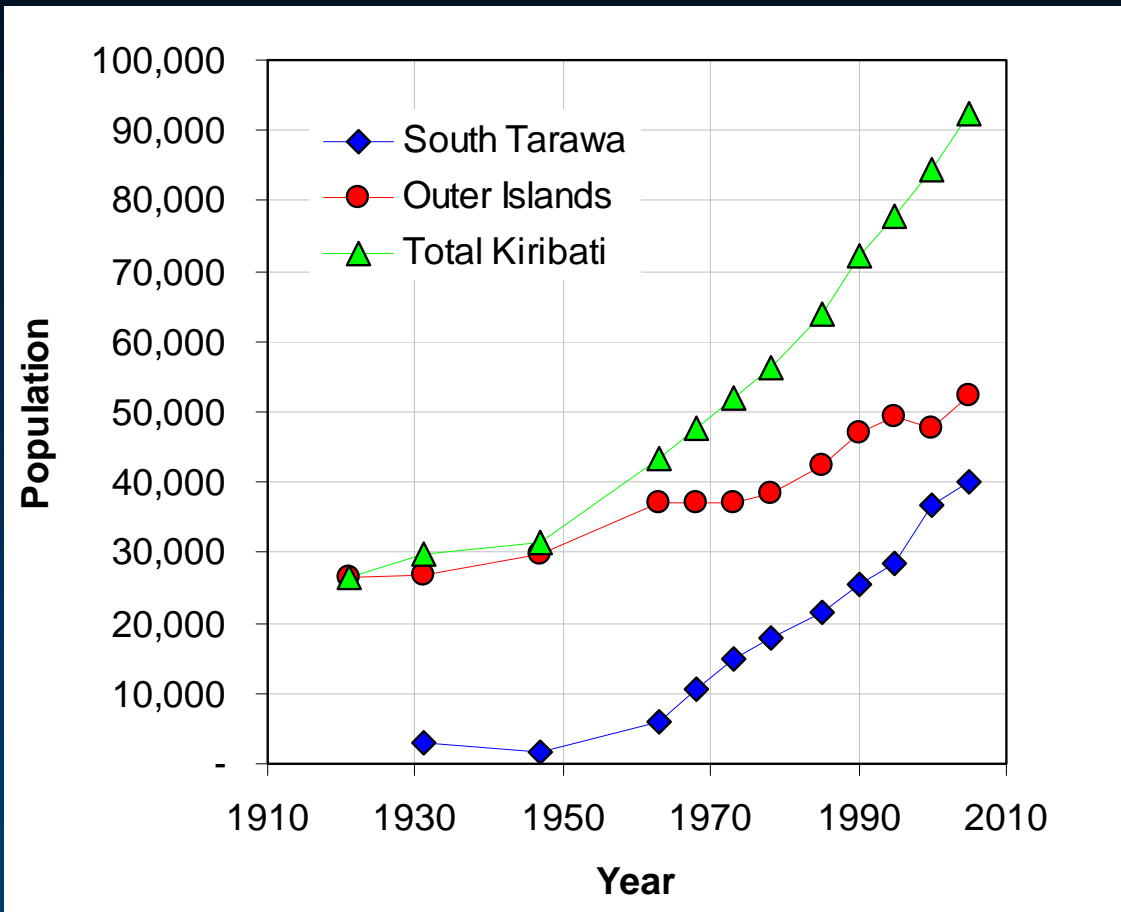
Problems on South Tarawa were critical

Recommended a **multi-disciplinary, coordinated, long term** (at least 10 years) program with **multiple components** being conducted in parallel rather than by implementing individual components and with annual budgets of **several million** (1990) dollars.

Urbanisation and Inward Migration



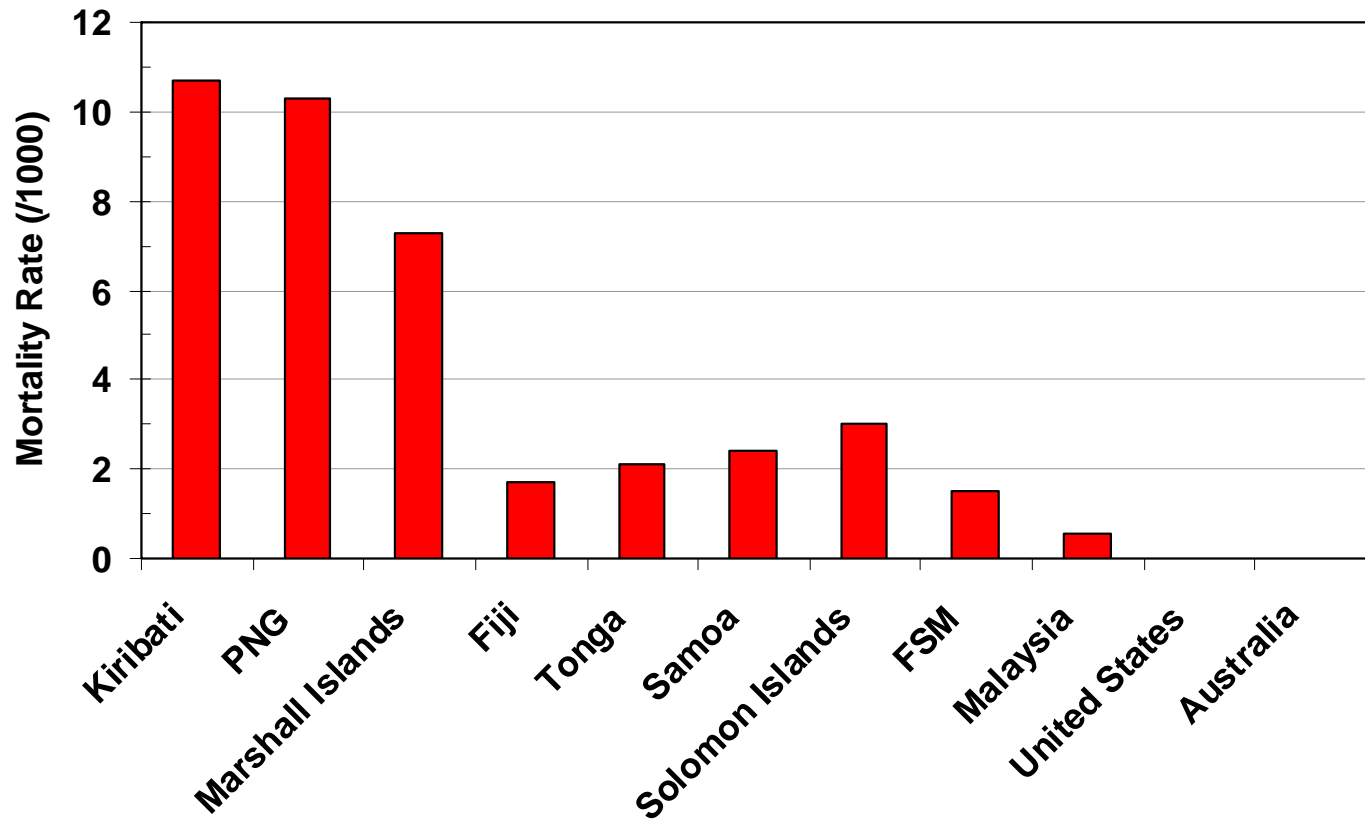
Urban population density
up to 15,000 pers/km²



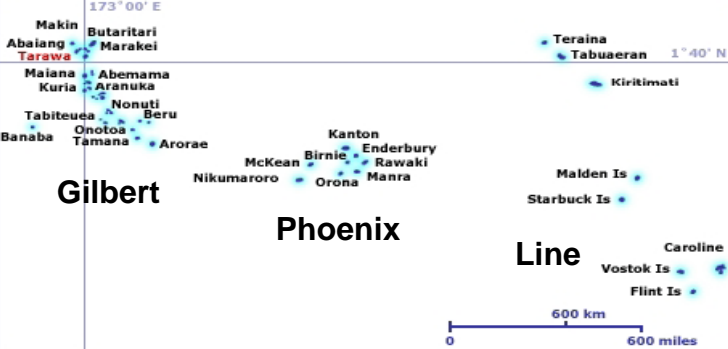
Exponential Growth rates from 1963:
Country 1.8% Urban 4% Outer Island 0.9%

Improving Health

Infant mortality rate caused by Diarrhoeal diseases (/1000)



Source: WHO CHIPS 2005



Review Previous Studies

Falkland (1983, 1992) Kiritimati and Tarawa Water Resource Studies

Shalev Z. (1992). Draft 10 year national water master plan. UNDTCD.

AIDAB (1993). Field Appraisal, Kiribati – South Tarawa Sanitation and Project Request.

UNESCO (1999). Issues, traditions and conflicts in groundwater use and management

WEU (2000). Draft Water Master Plan

SOPAC and ADB (2002), Proc. Pacific Regional Consultation on Water in Small Island Countries, Sigatoka.

SOPAC and ADB (2003), Pacific Regional Action Plan on Sustainable Water Management. Asian Development Bank and South Pacific Applied Geoscience Commission, Suva, Fiji.

ADB (2004). Promotion of Effective Water Management Policies and Practices.

MFED (2004). National Development Strategies, 2004-2007, Republic of Kiribati.

PUB (2004). Business Plan, 2004-2006. Public Utilities Board, 2004

ACIAR (2005) Equitable groundwater development

World Bank. (2005). Kiribati Adaptation Program, Phase II, TOR for TA Water Component.

Gov of Kiribati (2006). Project Completion Report, Sanitation, SAPHE.

Kiribati Imperatives

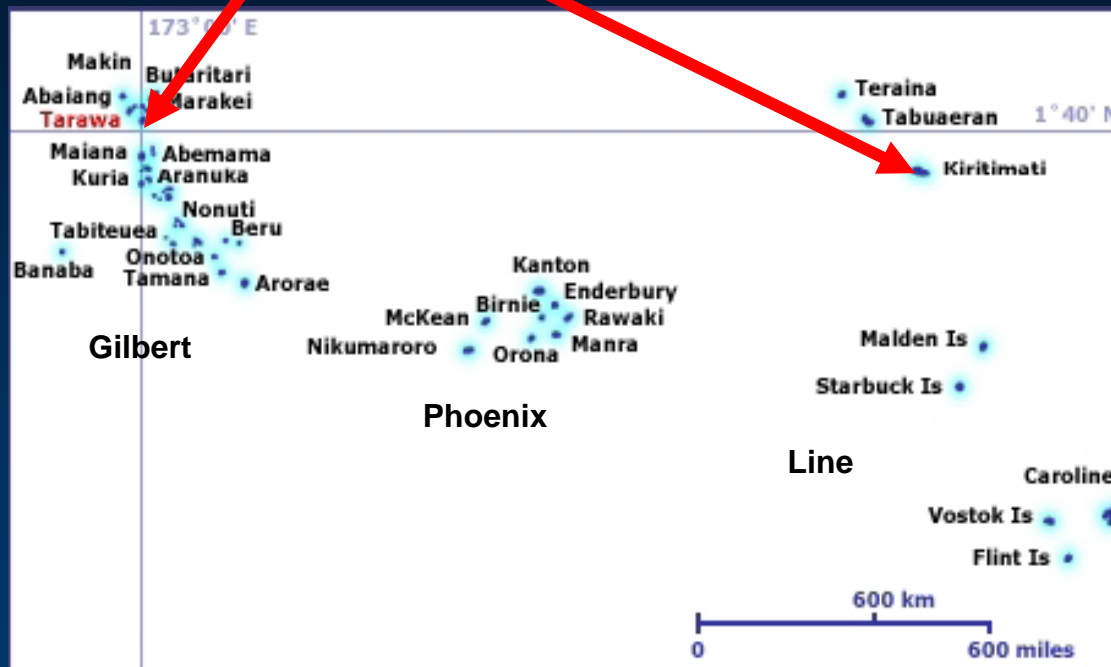
Cabinet Decision 2004

to make outer island water supply systems sustainable



Knowledge Gaps

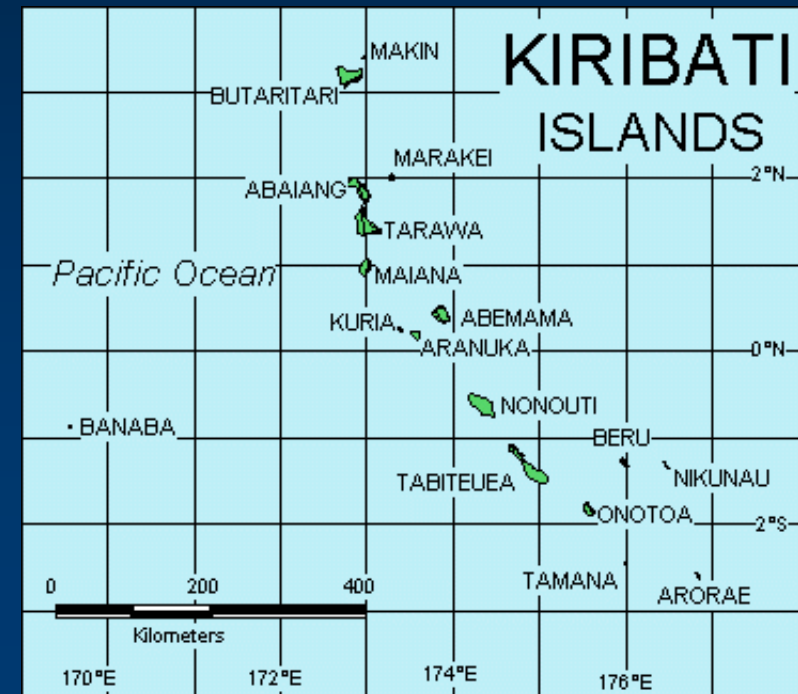
Water resources assessed in only 2 atolls



Use of water in urban and outer islands unknown

National Consultation, Kiribati Adaptation Program, Phase I, KAPI

- **Extensive consultations** throughout the Gilbert Group for the National Adaptation Program of Action, KAP I
- Identified 50 priority adaptation strategies
- **Seven out of the top ten priorities were water and sanitation related**



PACIFIC
REGIONAL ACTION
PLAN ON
SUSTAINABLE
WATER
MANAGEMENT

In preparation
for the 3rd World Water Forum
Kyoto, Japan, 2003

3rd August 2002
Sigatoka, Fiji Islands



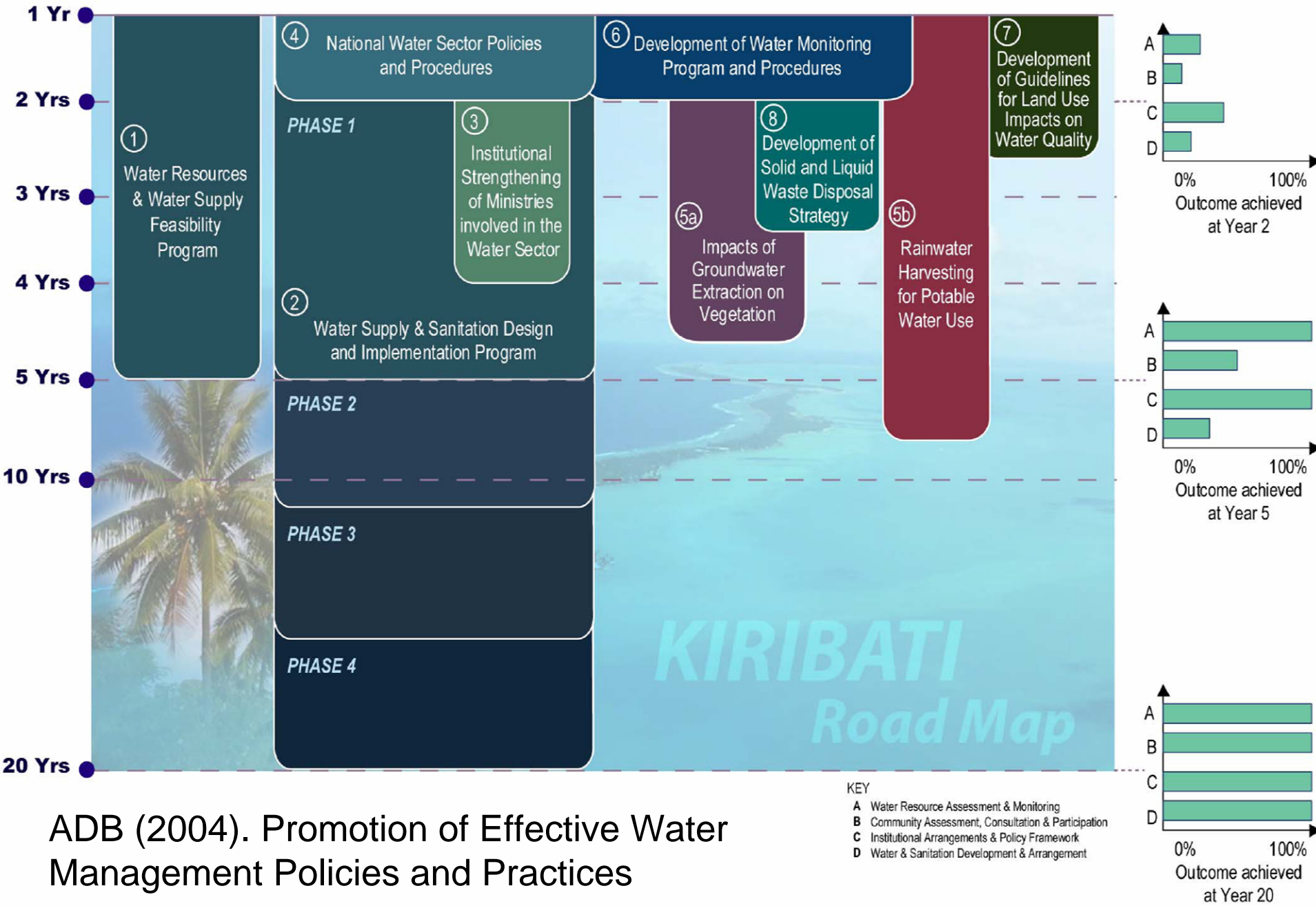
Pacific Regional Action Plan on Sustainable Water Management (2003)

1. Water Resources Management
2. Island Vulnerability
3. Awareness
4. Technology
5. Institutional Arrangements
6. Finance

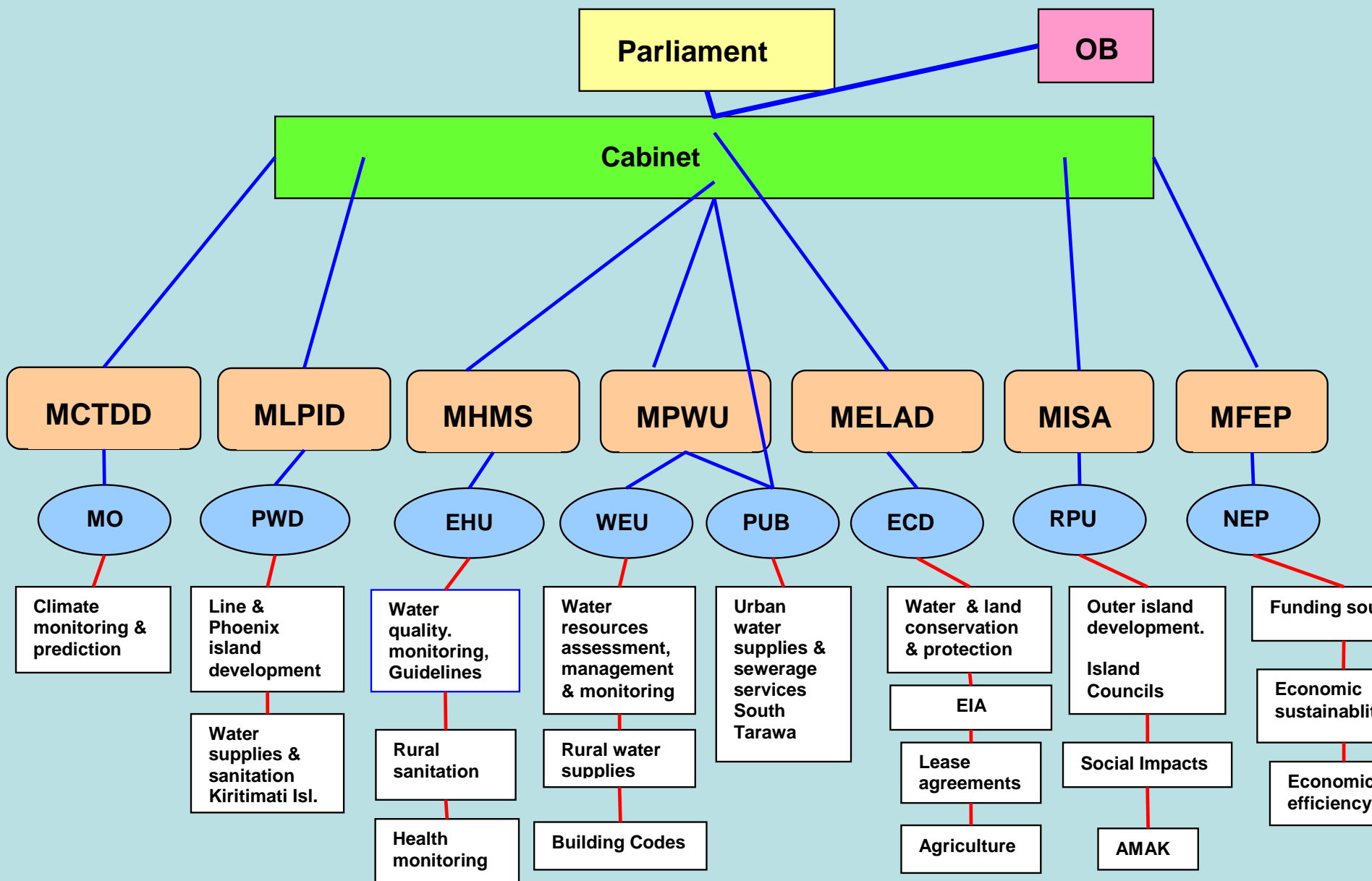
Behavioural change - a fundamental strategy

Long-term collaborative process

Kiribati Water Sector Road Map - 2004



ADB (2004). Promotion of Effective Water Management Policies and Practices



Actual Kiribati Water Sector Operational Diagram

Strategy for Improved Water Governance

1. Re-establish National Water and Sanitation Coordination Committee **NWSCC** – but include community participation – under OB
2. NWSCC develops draft **National Water Policy**
3. National Water Policy basis for Planning
4. After consultation & government adoption of NWP, NWSCC develops draft **National Strategic Water Plan**
5. NWSCC coordinates implementation & review

Draft TOR NWSCC



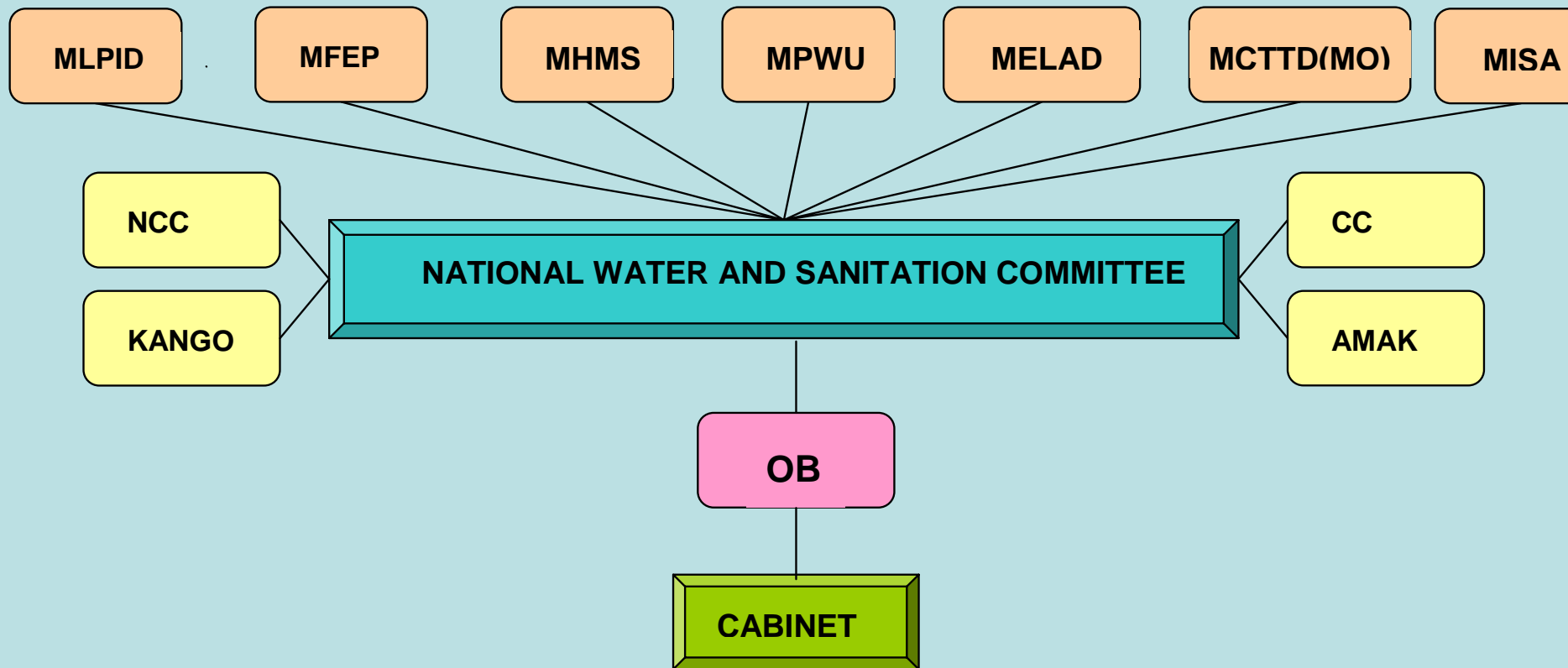
Republic of Kiribati

DRAFT for Discussion

THE NATIONAL WATER & SANITATION COORDINATION COMMITTEE

**Strengths, Proposed Mission, Aims, Terms of Reference,
Coordination, Reporting and Composition**

Proposed Structure for the National Water and Sanitation Coordination Committee



Proposed Mission of the National Water and Sanitation Committee

*To coordinate, facilitate and enhance
Government and community activities in
the water and sanitation sector*



Draft National Water Policy



Government of the Republic of Kiribati

**Water for Healthy Communities,
Environments and Sustainable
Development**

**Draft National Water Resources Policy
For Discussion**

Coordinated by the National Water and Sanitation Committee

July 2006

**Must be
consistent with
previous policies,
directives,
statements, NDS
and intents.**

Draft National Water Plan



Government of the Republic of Kiribati

National Plan and Strategies for Sustainable Water Management and Use

**Draft 10 Year Water Resources Plan
For Discussion**

Coordinated by the National Water and Sanitation Committee
Under the Office Te Beretitenti

August 2006

1. Current state
2. Identified problems
3. Where are we going? –
**based on national
policy**
4. How we get there?
5. Who does what?
6. When?
7. Indicators of progress



SOPAC

**EU Pacific Water Governance Project
Kiribati Pilot Study**



**LONG TERM WATER AND SANITATION
PRIORITIES IN KIRIBATI FOR POTENTIAL
SUPPORT UNDER EU EDF10**

DRAFT

Support for the National Water and Sanitation Coordination Committee (Coordinator- 10 yr)

Supporting Outer Island and Rural Communities in Kiribati: Safe Water Supplies for Rural Areas and Outer Islands (4x5 yr phases)

Supporting Urban Areas in Kiribati: Improving Access to Safe Water Supplies in South Tarawa (10 yr project)



SOPAC

A contribution to the EU Pacific Water Governance Project

Draft

Sustainability of Water and Sanitation Services in South Tarawa, Kiribati

Ian White

Australian National University

Tony Falkland

Ecowise Environmental

September 2006



Draft National Water Policy

Policy Goal

“To ensure that communities have affordable access to sustainable water supply systems providing water of appropriate quantities and suitable quality and to appropriate sanitation to meet all reasonable health, environmental, and development needs”

Community health, environment, development





Eco-Sanitation Training

SOPAC

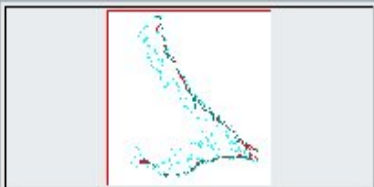
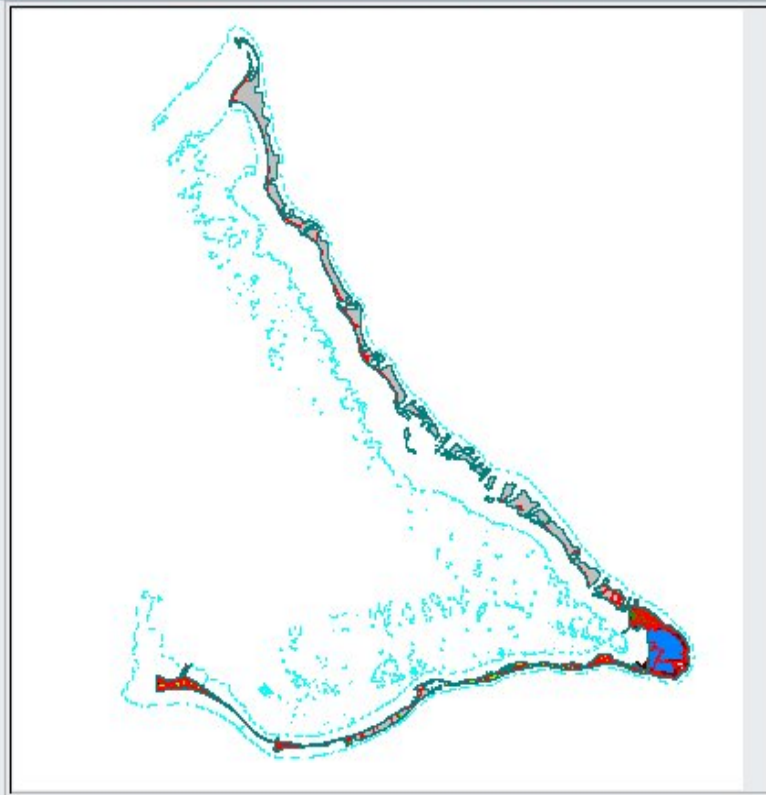
- Funded through SOPAC WASH programme
- 30-35 Trainees, Ministry of Environment, Ministry of Health, Public Works Department and Community Bonriki Water Reserve
- Building on IWP course Tuvalu, SOPAC supported MoH and MoE attendance
- Increase understanding of health and environmental risks associated with poor sanitation practices
- Promote the use of composting toilet (waterless toilet) in the water reserve on South Tarawa for the protection of groundwater lens contamination



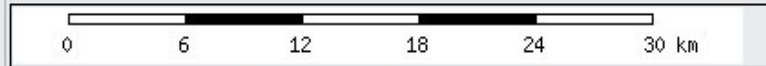




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 - Surveys
 - Newsletters
 - Ephemerides
 - Charts



- Coast
- Reef
- Roads
- Not Designated
- Commercial Area
- Civic Use
- Church
- Education
- Diplomatic Area
- Fuel Area
- Government Area
- Government Use
- High Density Housing
- Industrial Area
- Low Density Housing
- Mangroove Area
- Major Road
- Not Designated
- Open Space
- Parking Area
- Residential
- School
- Special Use (Air-Field)
- Waste Disposal Site
- Water Reserve



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Click on the map or click [redraw](#) [Help](#) [Comments](#)

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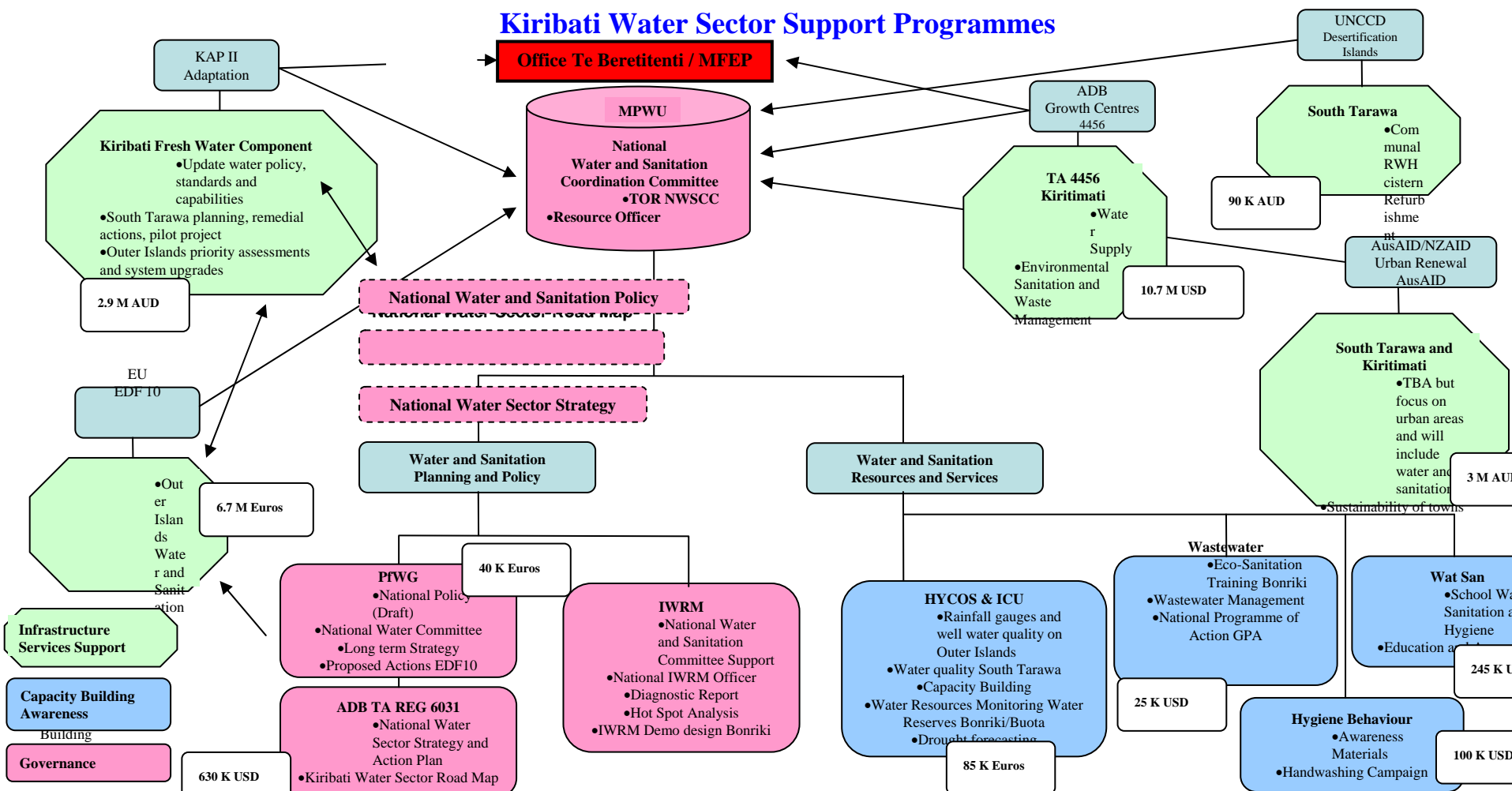
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Online users

1 online user

- Last changes**
- 1) HomePage
 - 2) SandBox
 - 3) UserPageJenny
 - 4) UserPageTaratauK
 - 5) Palm Vegetation 1999
 - 6) TSKL Cables
 - 7) tikautoa_Building

Kiribati Water Sector Support Programmes



Project Acronyms

IWRM = Integrated Water Resources Management
 HYCOS = Hydrological Cycle Observing System
 ICU = Island Climate Update
 KAP II = Kiribati Adaptation Program
 WASH = Water Supply, Hygiene and Sanitation
 National Water Strategy and Action Plan
 Urban Renewal Project
 PWFG = Programme for Water Governance
 WES = Water, Environmental Health, Sanitation
 Outer Islands Growth Centers Project
 Water and Sanitation Programme

Partner Organisations

SOPAC & UNDP & UNEP
 SOPAC & WMO & UNESCO
 SOPAC & SPREP & NIWA
 World Bank
 SOPAC/SPREP/GPA
 SOPAC/SKM
 GoK
 SOPAC
 WHO/Johns Hopkins
 SKM
 UNICEF/WHO

Donor Agencies

GEF IW / EU Water Facility
 EU Water Facility
 NZAID
 GEF/AusAID/NZAID
 Taiwan ROC
 ADB
 NZAID/AusAID
 EU
 WHO/UNICEF
 ADB
 UNICEF

Kiribati Government Counterparts

WEU/PUB
 WEU/PUB/MO
 OB/WEU/PUB/EHU
 EHU/ECD/PUB/WEU
 WEU/PUB/ECD
 PUB
 MO/PWD/EHU/WEU/PUB/ECD
 EHU
 MLPID/MISA/PUB
 MEYS/MISA/EHU

Timeframe

2007-2012
 2006-2009
 2006-2009
 2007-2009
 2007-2008
 2003-2005
 2006-2007
 2007-2008
 2007-2012
 2006-2010
 2008-20??

Notes