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COMMUNITY WATER SUPPLY AND SANITATION

INTERNATIONAL MEETING ON
WATER SUPPLY AND SANITATION
DECADE DEVELOPMENT
Lisbon, Portugal, 19 - 22 April 1988

FINAL REPORT

Co-sponsors:

Government of Portugal
Federal Republic of Germany, -
Ministry for Economic Cooperation
United Nations Development Programme
World Health Organization

INTERNATIONAL DRINKING WATER SUPPLY AND SANITATION DECADE

WORLD HEALTH ORGANIZATION, GENEVA, 1988



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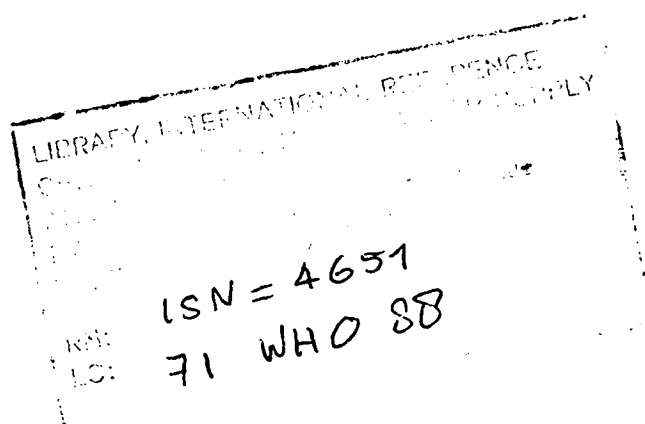
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International Meeting on Water Supply & Sanitation Decade Development

Lisbon, Portugal: 19 to 22 April 1988



FINAL REPORT

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1. Introduction

1.1 During informal discussions in early 1987 between representatives of the Government of Portugal and the World Health Organization it was agreed that steps would be taken to organize an International Meeting on Water Supply and Sanitation Decade Development. It was envisaged that Portugal would host the meeting and that participation would be invited from the five Portuguese speaking countries of Africa^{1/}, Brazil and the external support community. The principal objectives of the meeting would be to provide an opportunity for:

- (i) the Governments of the five African countries to present their policies, programmes and priority projects in the water supply and sanitation sector to representatives of the external support community.
- (ii) an exchange of technical and scientific information between the representatives of those countries and delegates from Portugal, Brazil and the external support community.
- (iii) the fostering of collaborative efforts for the development of the sector in the countries concerned.

1.2 Contacts between WHO and representatives of the five African countries established their interest in participating in the proposed meeting and subsequently financial support was obtained from the United Nations Development Programme (UNDP) and the Federal Republic of Germany through Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ).

1.3 Interest having been established and funding guaranteed, it was confirmed that the Government of Portugal would host the meeting in Lisbon from 19 to 22 April 1988 and that WHO would provide the secretariat for the event. Additionally, arrangements were made for WHO engineers from Geneva to visit each of the participating African countries to assist in the preparation of documentation for the meeting. These national papers reviewed the situation in the water supply and sanitation sector and identified Governments' policies, programmes and priority projects. In parallel with this activity appropriate agencies in Portugal and Brazil were requested to prepare technical papers for presentation during the meeting and similar inputs were initiated in the World Bank and WHO.

2. Participation

2.1 All five African countries finally accepted invitations to participate in the meeting and were each represented by delegates from their principal sector agencies. Both Portugal and Brazil sent strong delegations which were representative of National Departments and sector institutions. The external support community was represented by the African Development Bank, the Arab Bank for Economic Development in Africa (BADEA), bilateral agencies from France, Finland and the Federal Republic of Germany, and Caritas International as a non-governmental agency. The four major international agencies, WHO, the World Bank, UNICEF and UNDP, were represented by staff drawn from their headquarter, regional and country levels. A full list of participants is presented in Annex 1.

^{1/} Angola, Cape Verde, Guinea-Bissau, Mozambique and Sao Tome and Principe

3. Meeting Arrangements

3.1 Excellent conference facilities were provided by the Government of Portugal in the Gulbenkian Foundation, Lisbon. All documentation was available in both Portuguese and English and simultaneous translation was provided in these languages. Technical literature was displayed adjacent to the main conference hall and copies were available for participants. A separate room for private meeting was also available for the use of delegates.

3.2 The meeting was officially opened by Her Excellency the Minister of Health whilst outside the formalities of the conference delegates attended dinner at the invitation of the Secretary of State for the Environment and Natural Resources and were hospitably received by the Mayor of Lisbon in the City Hall.

4. Proceedings

4.1 As indicated by the programme for the meeting, see Annex 2, the discussions fell into two distinct parts. Approximately half of the time available was devoted to presentations by the delegations from the five participating African countries to supplement the information contained in the previously prepared national documentation noted in para. 1.3.

4.2 The national presentations were well received and generated interesting comment and discussion. Whilst these detailed accounts highlighted the differences between the status of the sector in the various countries, a number of common features emerged which could form a basis for future joint actions. For example, a subject of common interest was the holding of seminars in the Portuguese language on appropriate technical subjects; a common need was expressed for the translation into Portuguese and distribution of technical literature; whilst the general shortage of trained technical staff in all five countries indicated a need for follow-up action in the field of joint programmes for the development of human resources.

4.3 In accordance with the general understanding that the meeting was not convened to obtain pledges for programme or project support, no discussion on this subject took place during the plenary sessions. The priority projects identified by each country are however identified in the documentation and will be incorporated into the Country External Support Information (CESI) system for general distribution to the external support community.

4.4 The remaining half of the meeting was largely concerned with technical presentations by Brazil, Portugal, the World Bank and WHO.

4.5 The themes introduced by Brazil covered:

- (i) development of the basic sanitation sector in Brazil;
- (ii) the structure and the activities of the Foundation for Special Services in Public Health (FSESP), Ministry of Health in villages and rural areas of Northeast Brazil;
- (iii) national programmes on drinking water quality surveillance;
- (iv) appropriate technology for the treatment of water and wastewater in villages and rural areas;

- (v) appropriate technology for wastewater collection in low income areas (condominium system);
- (vi) control of unaccounted for water in public supply systems, demonstrated by results in several Brazilian States.

4.6 The technical papers presented by Portugal dealt with:

- (i) the treatment of wastewater by stabilization ponds;
- (ii) water disinfection;
- (iii) the management of water resources in Portugal;
- (iv) sanitary surveillance and the fight against water-borne diseases;
- (v) institutional aspects of Portuguese institutions dealing with water supply and sanitation, hydraulic resources and public health.

4.7 The World Bank's presentation described the UNDP supported World Bank executed Water Decade programme, giving details of its present status and future direction. Additionally, a film entitled "People and Problems" was screened.

4.8 A paper entitled "The Health and Technical Aspects of the Use of Wastewater in Agriculture and Aquaculture" was presented by WHO. The meeting was also briefed by WHO on the work currently being done to establish a computer based Country External Support Information (CESI) system.

5. Conclusions

5.1 The meeting proved to be an excellent opportunity for a first meeting between the Portuguese speaking countries to exchange information on the status and development objectives of the sector in the five African countries; to transfer technical and scientific information of common interest; and to identify areas in which future collaborative efforts would be of mutual benefit.

5.2 Delegates expressed a strong wish for further meetings to be arranged so as to allow the dialogue initiated in Lisbon to be continued. In particular the importance of holding technical seminars, to include for example the following subject areas, was stressed:

- (i) institutional development;
- (ii) surveillance of drinking water quality;
- (iii) survey of environmental health risks;
- (iv) standardization of equipment;
- (v) appropriate technology;
- (vi) reuse of excreta, sludge and wastewater.

5.3 A need was expressed for the stimulation of an exchange of technical information amongst the Portuguese speaking countries and between these countries and entities such as the International Reference Centers for Community Water Supply (Holland) and for Wastes Disposal (Switzerland), the International Development Research Center (Canada), CEPIS (Peru), the Portuguese Association of Hydraulic Resources (APRH), the Portuguese Association of Sanitary Engineering (APESB), the Brazilian Association of Sanitary and Environmental Engineering (ABES), the State of Sao Paulo Company for the Control of the Environment (CETESB), etc.

5.4 Much emphasis was placed on the need to develop human resources within the water supply and sanitation sector and the necessity to produce training materials and modules in the Portuguese language. CETESB (Sao Paulo, Brazil) undertook to prepare a catalogue of training courses in the field of sanitary and environmental engineering and will work in the development of this activity with the Portuguese National Laboratory of Civil Engineering (LNEC).

5.5 Attention was drawn by the Brazilian delegation to a technical meeting being planned to take place in Rio de Janeiro in September 1988. Invitations to participate will be sent to the five Portuguese speaking African countries.

Annexes: 2



ENCONTRO INTERNACIONAL SOBRE O DESENVOLVIMENTO DA DÉCADA DA ÁGUA

Lisboa, Portugal: 19 a 22 de Abril de 1988

INTERNATIONAL MEETING ON WATER SUPPLY & SANITATION DECADE DEVELOPMENT

Lisbon, Portugal: 19 to 22 April 1988

LIST OF PARTICIPANTS

NATIONAL PARTICIPANTS

ANGOLA

Mr. Relvas Dambi

Dr. Júlio Leite

BRASIL

Eng^a Jurandyr Mathias Ricão

Eng^o Nestor da Costa Borba

Dr^a Maria Lúcia Oliveira

Eng^o Josemah Azevedo

Eng^o Paulo Carraro Bastos

Eng^o António Carlos Rossin

Eng^o Rúbens Monteiro de Abreu

Eng^o Nelson Rodrigues Nucci

CABO VERDE

Eng^a Lurdes Monteiro Lima

Eng^o Ricardo Fonseca Neves

GUINÉ-BISSAU

Eng^o João Gomes Cardoso

Eng^o Adelino Handen

MOÇAMBIQUE

Eng^o Manuel Alvarinho
Eng^o Frederico Martins
Eng^o Paulo Óscar Monteiro
Mr. Noe Chongo

SÃO TOMÉ E PRÍNCIPE

Dr. Lázaro Batista de Souza
Eng^o Ligia Cristina Soares de Barros

INTERNATIONAL PARTICIPANTS

FINLAND

Mr. P. Silfverberg

FRANCE

Mr. M. Bathany (Caisse Centrale)

FEDERAL REPUBLIC OF GERMANY

Mr. K. Kresse (GTZ)

UN/DTCD

Mr. C. Sauveplane

UNDP

Mr. A. Rotival (UNDP/WHO Coordinator)
Dr. L. Srinivasan (PROWESS)
Mr. Miguel da Graça (RRUNDP Cap Verde)

UNICEF

Eng^o Luís Elias (Moçambique)
Dr. Augusto Morais (Angola)
Eng^o Manuel Freitas (Cabo Verde)
Dra. Maria Valentina Trigo de Sousa (Portugal)
Dra. Margarida Helena de Ramirez Cordeiro (Portugal)

WORLD BANK

Mr. D. Gubler

WORLD HEALTH ORGANIZATION

Mr. J.M. Jackson (Geneva)

Dr. I. Hespanhol (Geneva)

Mr. José Freire dos Santos (Angola)

Mr. Luís Leite (Guiné-Bissau)

Mr. M. Koussitashev (AFRO)

Mr. E. Giroult (EURO)

AFRICAN DEVELOPMENT BANK

Mr. C. Desai

Mr. A. Mengesha

BADEA

Dr. Kamal M. Abdellatif

CARITAS INTERNATIONAL

Mr. Tomás Correia

HOST COUNTRY PARTICIPANTS

DEPARTAMENTO DE ACOMPANHAMENTO E AVALIAÇÃO

Dr. Lobo Gaspar

DEPARTAMENTO ESTUDOS E PLANEAMENTO DA SAÚDE

Dr. Luís Magão

DIRECÇÃO-GERAL DA COOPERAÇÃO

Senhor Embaixador Cornélio da Silva
Dra Maria Helena Campos

DIRECÇÃO-GERAL DOS CUIDADOS DE SAÚDE PRIMÁRIOS

Eng. Fernando Bartolomeu
Eng. Vasco Fonseca

DIRECÇÃO-GERAL DA QUALIDADE DO AMBIENTE

Eng. Artur Ascenso Pires
Eng. João Vila Lobos
Eng. Gomes de Sousa
Eng. Boleo Tomé

DIRECÇÃO-GERAL DOS RECURSOS NATURAIS

Eng. Fernando Carlos da Graça Nunes Correia
Eng. António Miguel Cavaco
Eng. Joaquim Evaristo da Silva
Engª Helena Escudeiro
Eng. Carlos Ferraz

ESCOLA NACIONAL DE SAÚDE PÚBLICA

Professor Lobato Faria

INSTITUTO NACIONAL DE SAÚDE

Dra Isabel João
Dra Maria Emilia Peixoto

- Deolinda Cruz (DEPS)
- Ana Júlia Ribeiro (DEPS)
- Teresa Nave (DEPS)

SECRETARIATE



ENCONTRO INTERNACIONAL SOBRE O DESENVOLVIMENTO DA DÉCADA DA ÁGUA
Lisboa, Portugal: 19 a 22 de Abril de 1988

INTERNATIONAL MEETING ON WATER SUPPLY & SANITATION DECADE DEVELOPMENT
Lisbon, Portugal: 19 to 22 April 1988

PROGRAMME

TUESDAY, 19 APRIL

09.00 - 09.30 HOURS

- RECEPTION OF THE PARTICIPANTS

09.30 HOURS

- OFFICIAL OPENING OF THE MEETING BY HER EXCELLENCY THE MINISTER OF HEALTH

09.40 HOURS

- ADDRESS BY A WHO REPRESENTATIVE/UNDP

10.10 HOURS

- PRESENTATION OF THE MEETING BY THE DIRECTOR GENERAL OF THE OFFICE FOR HEALTH STUDIES AND PLANNING / CHAIRMAN OF THE MEETING

10.20 HOURS

- OPENING ADDRESS BY HER EXCELLENCY THE MINISTER OF HEALTH

10.30 - 11.00 HOURS

- COFFEE BREAK

11.00 - 12.30 HOURS

- OFFICIAL PRESENTATION BY ANGOLA

12.30 - 14.30 HOURS

- LUNCH

14.30 - 16.00 HOURS

- OFFICIAL PRESENTATION BY CABO VERDE

16.00 - 16.30 HOURS

- COFFEE BREAK

16.30 - 18.00 HOURS

- OFFICIAL PRESENTATION BY GUINÉ-BISSAU

WEDNESDAY, 20 APRIL

09.00 - 10.30 HOURS

- OFFICIAL PRESENTATION BY MOÇAMBIQUE

10.30 - 11.00 HOURS

- COFFEE BREAK

11.00 - 12.30 HOURS

- OFFICIAL PRESENTATION BY S. TOMÉ E PRÍNCIPE

12.30 - 14.30 HOURS

- LUNCH

14.30 - 16.00 HOURS

- OFFICIAL PRESENTATION BY BRASIL

16.00 - 16.30 HOURS

- COFFEE BREAK

16.30 - 18.00 HOURS

- OFFICIAL PRESENTATION BY BRASIL



ENCONTRO INTERNACIONAL SOBRE O DESENVOLVIMENTO DA DÉCADA DA ÁGUA
Lisboa, Portugal: 19 a 22 de Abril de 1988

INTERNATIONAL MEETING ON WATER SUPPLY & SANITATION DECADE DEVELOPMENT
Lisbon, Portugal: 19 to 22 April 1988

THURSDAY, 21 APRIL

09.00 - 10.30 HOURS

- TECHNICAL PRESENTATION BY THE WORLD BANK

10.30 - 11.00 HOURS

- COFFEE BREAK

11.00 - 12.30 HOURS

- TECHNICAL PRESENTATION BY PORTUGAL

12.30 - 14.30 HOURS

- LUNCH

14.30 - 16.00 HOURS

- TECHNICAL PRESENTATION BY PORTUGAL

16.00 - 16.30 HOURS

- COFFEE BREAK

16.30 - 18.00 HOURS

- TECHNICAL PRESENTATION BY WHO REPRESENTATIVE

FRIDAY, 22 APRIL

09.00 - 10.30 HOURS

- GENERAL DISCUSSION - IDENTIFICATION OF JOINT PROGRAMMES

10.30 - 11.00 HOURS

- COFFEE BREAK

11.00 HOURS

- FINAL SESSION

12.30 HOURS

- CLOSING ADDRESS BY HIS EXCELLENCY THE SECRETARY OF STATE FOR HEALTH
ADMINISTRATION

For further information, write to:

The Manager
Community Water Supply and
Sanitation, EHE/CWS
World Health Organization
1211 Geneva 27, Switzerland