WATER LAW

IN

SELECTED AFRICAN COUNTRIES

(Benin, Burundi, Ethiopia, Gabon, Kenya, Mauritius, Sierra Leone, Swaziland, Upper Volta, Zambia)

Edited by

Dante A. Caponera Chief, Legislation Branch Legal Office PRINCETON HO109 L43

With contributions by

D. Alhéritière, T. Aptekman, C.L. d'Arifat, S. Burchi, D.A. Caponera, P.W.J. Odero, B.J. Wohlwend The designations employed and the presentation of material in this publication do not imply the expression of any opinion whatsoever on the part of the Food and Agriculture Organization of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The opinions expressed in this publication are those of the author and are not necessarily those of the Food and Agriculture Organization of the United Nations

M-50 ISBN 92-5-100748-9

The copyright in this book is vested in the Food and Agriculture Organization of the United Nations. The book may not be reproduced, in whole or in part, by any method or process, without written permission from the copyright holder. Applications for such permission, with a statement of the purpose and extent of the reproduction desired, should be addressed to the Director, Publications Division, Food and Agriculture Organization of the United Nations, Via delle Terme di Caracalla, 00100 Rome, Italy.



FOREWORD

This study is intended as a further contribution toward a global inventory of national experiences in the field of water law and administration. In view of its interest in promoting agricultural production, which requires a major consumptive use of water resources, FAO has always been concerned with the legal and institutional aspects of water management. As early as 1950, it initiated the publication of a variety of documents on water law and administration, including country studies on the United States (1950), Italy (1953), Moslem countries (1954/1973), Latin America (1956), ground-water legislation in Europe (1964), Central America, Caribbean and Mexico (1975) and in selected European countries (1975). Similar studies were later contributed by the United Nations Economic and Social Commission for Asia and the Pacific (formerly ECAFE) for most of its member countries (1967-1968) and by the United Nations Secretariat on the legal regime of the abstraction and use of water (1972) and on national systems of water administration (1974).

Through the preparation of such studies and with the benefit of extensive field experience, an Outline was eventually developed for the systematic inventory of national water resources legislative and institutional frameworks. This Outline based on the hydrologic cycle, considers water resources conservation, development and utilization as an integrated whole and treats corresponding legal and institutional aspects accordingly. The Outline, which is given as an Appendix, has been used by FAO for some years and served as a basis for the preparation of the present publication.

In recent years, water laws and institutions have undergone a fundamental process of modification in many countries of Africa. The selection of the country studies in this volume has been made, first of all, on the availability of data in FAO's Legislation Branch and on the basis of geophysical characteristics, juridico-political history or institutional organization. It is to be noted that - at present - in many African countries, the situation is in a state of transition and often rapid changes occur in their legal-institutional framework.

The original research of some country monographs or the final preparation of some others have been contributed by individual lawyers in their personal capacity. The following lawyers have prepared the country monographs or completed the essential legal materials (country monographs indicated in brackets): Dr. D. Alhéritière (Burundi, Swaziland), Ms. T. Aptekman (Gabon), Dr. S. Burchi (Zambia), Dr. S. Burchi and Dr. P.W.J. Odero (Kenya), Dr. C.L. d'Arifat, Q.C. (Mauritius), and Dr. B. Wohlwend (Sierra Leone); the remaining parts of the study (Part One - General Part, as well as Benin, Ethiopia and Upper Volta), have been prepared by Dr. Dante A. Caponera.
Mr. R. Darroll has helped with the preliminary preparation of some country monographs and assisted in the editing of all the studies. We would like to record here our appreciation for their contribution and collaboration.

The ten country monographs included in this study may possibly contain omissions or statements based on such incomplete information as was available in some cases. The Legislation Branch will accordingly be grateful to any reader who would point out such deficiencies so that they may be taken into account in any future edition.



TABLE OF CONTENTS

PART ONE - CE	NERAL PART	Page
I - IN	TRODUCTION	
1.	General remarks	3
2.	The need for adequate water law and administration	5
3.	Water resources policy, administration and legislation, and integrated water resources planning	7
" II - SC	DURCES OF WATER LAWS AND INSTITUTIONS	
1.	African customary law	8
2.	Moslem law	10
3.	Earliest Roman water law principles	11
4.	Water law principles in the civil law system	11
5.	Water law principles in the English common law system	12
6.	Other systems of law	12
III - TH	TE CODIFICATION PROCESS OF WATER LAW AND ADMINISTRATION IN AFRICA	
1.	General remarks	13
2.	Countries formerly under the Ottoman Empire	13
3.	Countries formerly under French administration	14
4.	Countries formerly under British administration	15
5.	Countries formerly under Portuguese administration	16
6.	Countries formerly under Belgian, Italian and Spanish administration	16
7.	Other countries with special systems of law	17
IV - CC	MPARATIVE REVIEW OF THE COUNTRIES SURVEYED	
1.	Introduction	19
2.	Legislation in force	19
3.	Ownership of water	20
4.	Rights to use water	22
5.	Order of priorities	26
6.	Legislation on beneficial uses of water	27
7.	Legislation on harmful effects of water	31
8.	Legislation on water use, quality and pollution control	31
9.	Legislation on groundwater resources use	33
10.	Legislation on the control and protection of waterworks and structures	33

		Page
11.	Legislation on the declaration of protected zones or areas	34
12.	Government water resources institutions and administration	35
13.	Special and autonomous water resources development agencies	36
14.	Legislation on water resources development financing	37
15.	Water law implementation	38
16.	Customary water law and institutions	40
PART TWO - CO	DUNTRY STUDIES	
1,	Benin	43
2.	Burundi	63
3.	Ethiopia	76
4.	Gabon	104
5.	Kenya	120
6.	Mauritius	149
7.	Sierra Leone	162
8.	Swaziland	206
9.	Upper Volta	224
10.	Zambia	243
ANNEXES		
I	- Outline for the preparation of a national water resources law inventory	263
I	- List of selected agreements setting up joint machinery for international water resources management in Africa	266