

Project Management Of Borehole Programme

In 1980, Nagra, the Swiss National Cooperative for the Storage of Radioactive Waste, began a comprehensive field investigation programme to assess the feasibility and safety of a repository for the final disposal of high-level radioactive waste in northern Switzerland. An international team of scientists has carried out a comprehensive study on the isotope hydrogeology of deep groundwaters. One of the major implications of this work pertains to the storage of radioactive waste. The study goes far beyond an in-depth regional study as it draws together the results of diverse techniques, many of which have been re-evaluated or further developed. This book presents in great detail the results of one of the most comprehensive isotope hydrology studies ever undertaken.

The supply of reliable and safe water is a key challenge for developing countries, particularly India. Community management has long been the declared model for rural water supply and is recognised to be critical for its implementation and success. Based on 20 detailed successful case studies from across India, this book outlines future rural water supply approaches for all lower-income countries as they start to follow India on the economic growth (and subsequent service levels) transition. The case studies cover state-level wealth varying from US\$2,600 to US\$10,000 GDP per person and a mix of gravity flow, single village and multi-village groundwater and surface water schemes. The research reported covers 17 states and surveys of 2,400 households. Together, they provide a spread of cases directly relevant to policy-makers in lower-income economies planning to upgrade the quality and sustainability of rural water supply to meet the Sustainable Development Goals, particularly in the context of economic growth.

An examination of the conflicts facing traditional pastoralist societies within the developing nations of Africa. The book explores the forms of traditional land tenure and access to grazing resources, which are being increasingly eroded by modern forms of ownership and development. It shows how communal land tenure arrangements are essential not only for the survival of these societies but also to manage the pastures and rangelands in question. The case studies are by local experts. They cover Kenya, Mali, Senegal, Mauritania, Sudan, Tanzania and Uganda. Each looks at: the political and legal context, trends in pastoral development, causes of conflict, procedures for resolving conflict, and environmental implications.

Drylands have been cradles to some of the world's greatest civilizations, and contemporary dryland communities feature rich and unique cultures. Dryland ecosystems support a surprising amount of biodiversity. Desertification, however, is a significant land degradation problem in the arid, semi-arid and dry sub-humid regions of the world. Deterioration of soil and plant cover has adversely affected 70% of the world's drylands as a result of extended droughts as well as mismanagement of range and cultivated lands. The situation is likely to worsen with high population growth rates and accompanying land-use conflicts. The contributions to The Future of Drylands – an international scientific conference held under the leadership of UNESCO – address these issues and offer practical solutions for combating desertification along with conserving and sustainably managing dryland ecosystems. Major themes include the conservation of dryland biological and cultural diversity and the human dryland interface. This volume documents how our improved understanding of drylands provides insight into the health and future prospects of these precious ecosystems that should help ensure that dryland communities enjoy a sustainable future.

The majority of people in Limpopo river basin depend on rainfed agriculture. Unfortunately the Limpopo is water scarce, and parts of the basin, such as Zimbabwe's Mzingwane catchment, are under stress in terms of agro-ecological and socio-politicoeconomic

conditions. Integrated Water Resources Management (IWRM) has been adopted in the river basin i

New Scientist magazine was launched in 1956 "for all those men and women who are interested in scientific discovery, and in its industrial, commercial and social consequences". The brand's mission is no different today - for its consumers, New Scientist reports, explores and interprets the results of human endeavour set in the context of society and culture.

African nations have an underdeveloped industrial and economic base such as their water supply, electrical systems, roads, railways, etc. Massive funding is required to build each of these basic services to the levels of developed nations – funding they don't have. Many African countries rely on assistance from the government and global companies looking to invest or facilitate projects in the region. And for a variety of reasons, many of these projects fail or are inadequate to fulfil the needs of the nation. In order to facilitate their own economic development, African nations need to cultivate efficient project management practices and policies that will help them achieve their goal of sustainability. This book by a multidisciplinary project management consultant, contributes to the body of knowledge that each African country can attain and sustain economic development by suggesting how to eliminate and correct most causes of failures of projects in construction, water treatment, electricity and renewable energy. It suggests that they should also be able to obtain the sustainable harvesting of the benefits of project deliverables which have been planned for in order to implement the various aspects of their economic development. The suggestions in this book will make a difference in project delivery and are comprehensive enough to create a root-and-branch change which will affect the people involved in making decision on projects and their delivery. Thus, project management teams and their managers, organization decision makers, companies looking to invest in the region, and politicians who plan the economy have to understand the causes of unhelpful practices and what needs to be done in order to produce productive and effective delivery of long-term sustainable project. The principal goal of this book is to advise public and private companies, and international organizations conducting projects in Africa on how to prepare themselves, their businesses and enterprises to solve the problems that cause failure of projects and abandonment of project deliverables. The book also recommends the necessity for a commercial enterprise or government entity to prepare and develop its vision, mission, and strategic objects to constitute the basis of a business plan which should be implemented for successful operations. After first identifying various failed and abandoned projects in Nigeria, Ghana and South Africa, the author provides an analysis of why these projects failed or were abandoned. By using methodologies of Organizational Project Management (OPM), Project Portfolio Management (PPM) and project management techniques, he suggests a framework for project delivery which could be used as a foundational structure and platform that will address the problem and provide solutions for the achievement of successful and sustainable project delivery in Africa.

This book presents the results of the Third International Symposium on Observation of the Continental Crust through Drilling held in Mora and Orsa, Sweden, September 7 - 10, 1987. Volume 2 reviews new and general information on geology, geophysics, rock mechanics, geochemistry, drilling techniques and drilling problems in very deep holes of the FRG, USA and the Soviet Union. The proceedings are invaluable for earth scientists as well as for exploiters of geoenergy and other natural resources in the crust.

Volume 1 summarizes the results of the Deep Gas Project in the Siljan impact structure, Sweden, including papers dealing with general aspects of astroblemes. It is of interest to all researchers working in the drilling industry and those interested in the problem of "deep gas".

The official records of the proceedings of the Legislative Council of the Colony and Protectorate of Kenya, the House of Representatives of the Government of Kenya and the National Assembly of the Republic of Kenya.

HANDBOOK OF CATCHMENT MANAGEMENT In 2010, the first edition of the Handbook of Catchment Management provided a benchmark on how our understanding and actions in water management within a catchment context had evolved in recent decades. Over ten years on, the catchment management concept is entering a new phase of development aligned to contemporary and future challenges. These include climate change uncertainty, further understanding in ecological functioning under change, the drive for a low-carbon, energy efficient and circular society, multiple uses of water, the emergence of new pollutants of concern, new approaches to valuation, finance and pricing mechanisms, stewardship and community engagement, the integration of water across the Sustainable Development Goals (SDG) and the link between water, energy and food. These developments are framed within an increasingly data rich world where new analytics, sensor technology and processing power are informing increasingly real-time decision making. The challenge is also to increase cross-compliance and policy integration to meet multiple stakeholder objectives, and to link actions to achieve cost-effective outcomes. In addition, there are a number of new and exciting city, region and basin-scale real-world examples of contemporary and new catchment thinking; integrating science, technology, knowledge and governance to address multiple drivers and complex problems from across the globe. The time is now right, to capture the new challenges facing catchment management and water resources management globally. This revised and updated edition of the Handbook of Catchment Management features: Thoroughly rewritten chapters which provide an up-to-date view of catchment management issues and contexts New case study material highlighting multi-sectoral management in different globally significant basins and different geographical locations Up-to-date topics selected for their resonance not only in natural sciences and engineering, but also in other fields, such as socio-economics, law and policy The Handbook is designed for a broad audience, but will be particularly useful for advanced students, researchers, academics and water sector professionals such as planners, consultants and regulators.

Irrigation, as the biggest water user in most regions of the world is facing significant challenges in balancing social, economic and environmental needs for water. These proceedings of the 5th International Conference on Sustainable Irrigation and Drainage: Management, Technologies and Policies provide examples of how irrigation and drainage can become more sustainable, while acknowledging that the concept of sustainability is a goal that continues to change as our knowledge of the biophysical realities alters. In that sense moving towards sustainability is an ever evolving journey. A focus is made on the implications for improving sustainability, whether this is drainage, irrigation technologies, economic modelling, governance studies for irrigation management, reuse of water or any other aspect. Topics covered include: Irrigation management; Irrigation modelling; Irrigation systems and

planning; Economic incentives; Groundwater issues; Water contamination and remediation; Drainage systems; Drainage modelling; International issues; Water reuse; Climate change effects; Water trade; Economics of irrigation; Socio-economic benefits.

This book discusses the issues and stages in the development of water supplies, from the initiation of a programme through to the community management of a supply system. The importance of involving all the members of a community in decisions about water provision is emphasised, as is the need to incorporate hygiene education.

The editors consider the different aspects of, and the issues surrounding, affordable water supply and sanitation. They consider both 'software' aspects - people, communities, health, management and institutions - as well as technological considerations such as waste management.

With the UK government's 2016 BIM threshold approaching, support for small organisations on interpreting, filtering and applying BIM protocols and standards is urgently required. Many small UK construction industry supply chain firms are uncertain about what Level 2 BIM involves and are unsure about taking first steps towards having BIM capability. As digitisation, increasingly impacts on work practices, Getting to Grips with BIM offers an insight into an industry in change supplemented by practical guidance on managing the transition towards more widespread and integrated use of digital tools to manage the design, construction and whole life use of buildings.

With 1901/1910-1956/1960 Repertorium is bound: Brinkman's Titel-catalogus van de gedurende 1901/1910-1956/1960 (Title varies slightly). 1867- includes the "Annual report of the Geological survey of India".

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