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Professional Drilling Management

Online Course

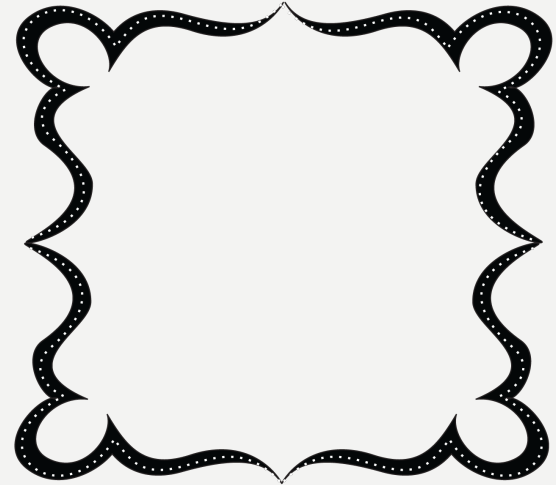
MODULE 4: LEGAL & INSTITUTIONAL FRAMEWORKS FOR BOREHOLE DRILLING PROFESSIONALISM

ORIENTATION VIDEO



PRESENTATION OVERVIEW

1. Learning objectives
2. What do we mean by the legal and institutional framework?
3. Code of Practice for Cost-Effective Boreholes
4. Groundwater use & groundwater governance



1. LEARNING OBJECTIVES

- Mechanisms for professionalism
- Formal and informal aspects of the legal and institutional framework for borehole drilling
- Strengths and weaknesses in your country, or state



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2. DEFINITION OF LEGAL AND INSTITUTIONAL FRAMEWORK?

- *The legal and institutional framework is a broad concept and it concerns the functions of governments, private enterprises, political jurisdictions, judicial systems, legislative bodies, and regulatory agencies. More specifically the legal framework incorporates laws, amendments, treaties, acts, ordinances, mandates, regulations, and their enforcement mechanisms. The institutional system refers to the structure of government and its agencies, independent thinktanks, and private sector services. (Source; <https://www.sciencedirect.com/topics/earth-and-planetary-sciences/institutional-framework>)"*



2. EXAMPLES

- Formal Aspects, e.g.
 - Laws
 - Court orders
 - Regulations
 - Procedures
 - Binding conventions
- Informal Aspects
 - Customs
 - Norms

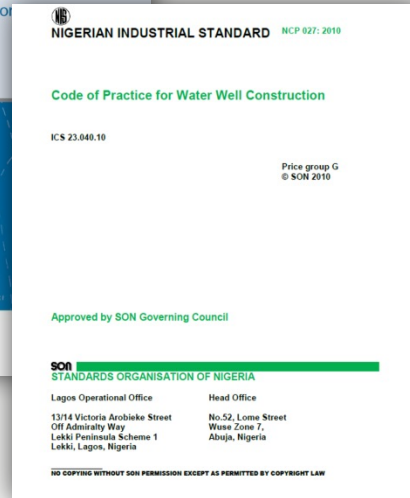
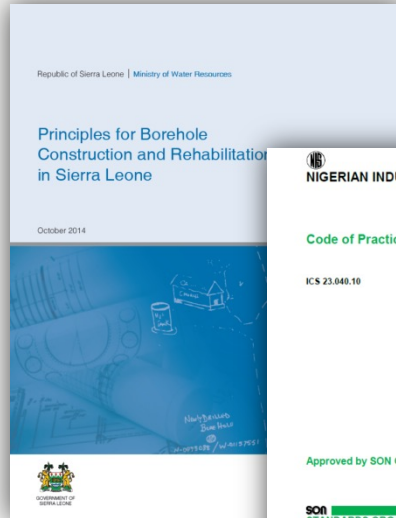
...THESE ALL SHAPE SOCIO-ECONOMIC ACTIVITY AND BEHAVIOUR



2. EXAMPLES



**CONSTRUCTION
REQUIREMENTS**



**CODE OF
PRACTICE**

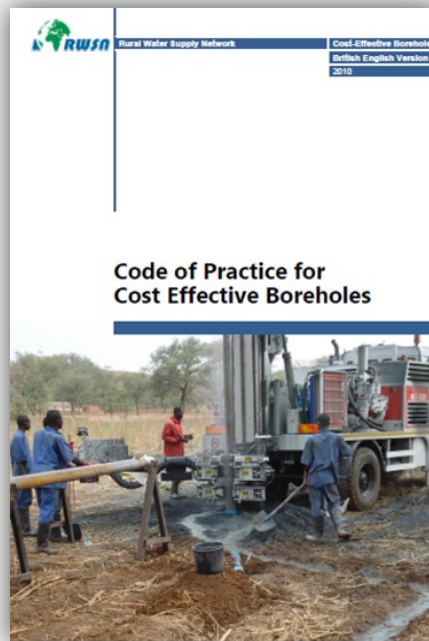


Published standardisation or
collective norms



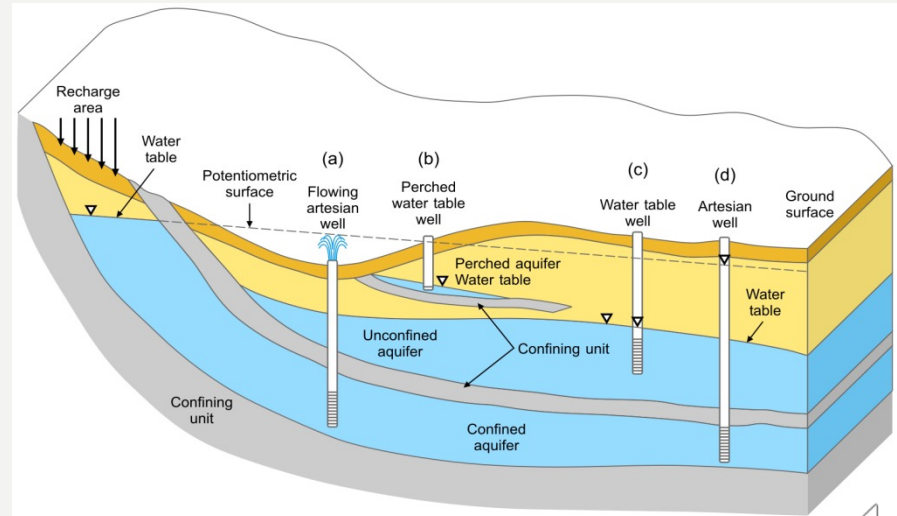
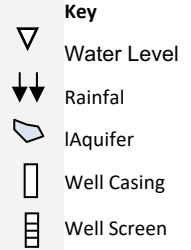
3. CODE OF PRACTICE FOR COST-EFFECTIVE BOREHOLES

- **RWSN Code of Practice**
- Nine principles
 - Professional drillers & consultants
 - Siting
 - Construction method
 - Procurement
 - Design and construction
 - Contract management, supervision and payment
 - Data and information
 - Database and record keeping
 - Monitoring (post construction)



4. GROUNDWATER USE

- Drinking
- Domestic use
- Agriculture
- Industry
- Ecosystems



Groundwater - schematic image

Source: Todd et al 2005



.... & GROUNDWATER GOVERNANCE



**Legal and Institutional
Frameworks for Borehole Drilling
Professionalism**



