



GP- CoCooN-Integrated Project



Netherlands Organisation for Scientific Research
WOTRO Science for Global Development

CoCooN-Integrated Project

Groundwater in the Political Domain

The Project's Research activities in
Yemen

By: Wahib Al-Qubatee



Al-Mujellis Village (Photos source: CoCooN Project, Alweshali)



Sana'a University
Water and Environment Centre



Introduction

- **CoCooN:** A knowledge, research and innovation programme on **Conflict and Cooperation over Natural Resources in Developing Countries.**
- **CoCooN is funded by:** the Ministry of Foreign Affairs of the Netherlands and the Netherlands Organization for Scientific Research (NWO).
- **The project's consortium members:** Yemen, Occupied Palestine Territories and Ethiopia.
- **Consortium partners:** (1)From Netherland: MetaMeta& Technical University Delft. (2)From Ethiopia: Oromia Water Works Design and Supervision Office& Mekelle University; (3)From Yemen: Water and Environment Centre. (4) From Palestine: Palestinian Water Authority,.
- **The duration of this projects:** It was started on 1st November 2010, the project supposed to end at 30 October 2013.

Objectives

- To get into the political black box.
- To understand the political game.
- To examine the interaction between political engagement and effective management under different natural, organizational and political conditions.
- To put access and management of groundwater on the political agenda.

Methodology

- Analyzing the overall political and institutional force-field around groundwater combined with hard evidence based on assessment of hydrological | economical performance.
- The research will look in particular at four situations:
 - Laissez-passer/ default: no conflict, no cooperation.
 - Conflict: open competition for the resource, where conflicts and tension become manifest between users, managing institutions or countries sharing access to the resource.
 - Cooperation: development of access systems, laws, institutions and monitoring systems.
 - Simultaneous cooperation and conflict: competition and development of governance systems co-exist, development of access systems, laws, institutions monitoring.

Project's Research Activities

- There are three main activities:
 - **Firstly:** there will be an analysis on how conflicts and cooperation and 'do nothing' situations are handled in the political and institutional domain. Case studies will be developed from each area that is meant to trigger discussion.
 - **Secondly:** It will be developed an action plans to get larger political involvement in discussing how groundwater is governed and how to increase the fair and optimal use of this resource.
 - **Thirdly:** the aim is capacity building and communication so that more professionals and practitioners can play a role in activating the political and institutional domain.

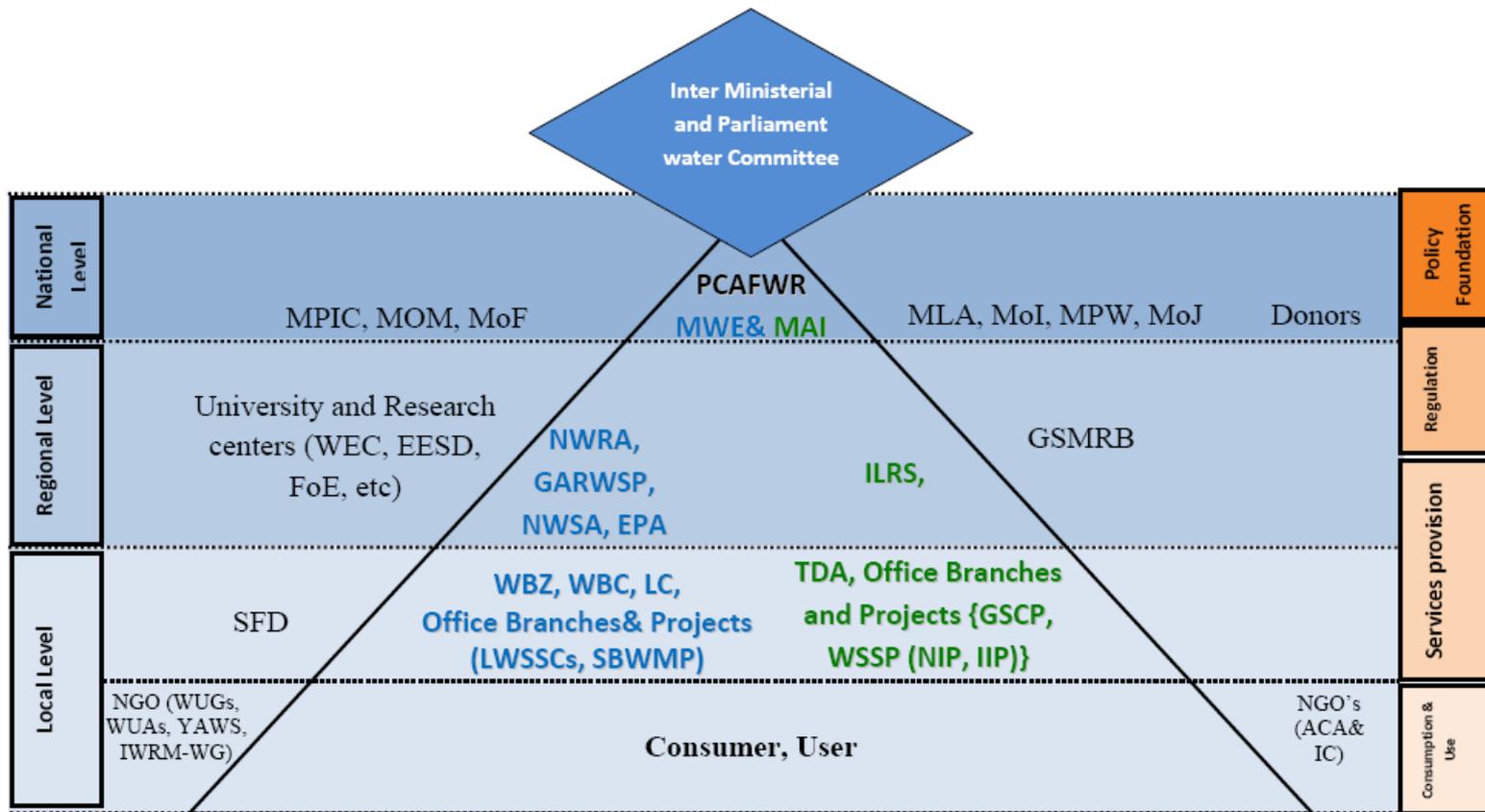
The Achieved Research Activities in Yemen (1)

- During the previous months, the achieved research activities and draft reports are the following:
 - Water Sector Political and Institutional Framework Review and Analysis.
 - A Plan for Groups Discussion and Interview for the People in Al-Mujellis Village and in Wadi Zabid and Rema'a.
 - A Plan for Interviews and Questionnaire about Water Sector Institutions.

The Achieved Research Activities in Yemen (2)

- Water Sector Political and Institutional Framework Review and Analysis:
 - The report gives an overview about the institutional setup of water sector that are responsible for the water issues. It can be summarized as in the figure of the next slide.

The Achieved Research Activities in Yemen (3)



PCAFWR	Parliament Committee of Agriculture, Fisheries and Water Resources.
MWE	Ministry of Water and Environment.
NWRA	National Water Resources Authority.
GARWSP	General Authority for Rural Water Supply Projects.
NWSA	National Water and Sanitation Authority
EPA	Environment Protection Authority
LWSSCs	Local Water Supply and Sanitation Corporations.
SBWMP	Sana'a Basin Water Management Project
WBZ	Water Basin Zone
WBC	Water Basin Committee
LC	Local Council
IWRM-WG	Integrated Water resources Management Working Group
WBA's	Water Basin Associations
WBG's	Water Basin Groups
YAWS	Yemeni Association for water and sanitation
MAI	Ministry of Agriculture and Irrigation.
ILRS*	Irrigation and Land Reclamations Sector
GSCP	Groundwater and Soil Conservation Project
TDA	Tehama Development Authority
WSSP	Water Sector Support Program
IIP	Irrigation Improvement Project
NIP	National Irrigation Program
IC	Irrigation Council
ACA	Agriculture Cooperation Association
MPIC	Ministry of Planning and International Cooperation
MOM	Ministry of Oil and Minerals
MoF	Ministry of Finance
MLA	Ministry of Local Administration
MoI	Ministry of Interior
MPW	Ministry of Public Works
MoJ	Ministry of Justice

* The created new sector instead of GDI

The institutional set-up of Yemen water sector with the suggested, “Inter Ministerial and Parliament water Committee”, on the top of Institutional set up. (Based on Kenya experience on Institutional reform of the water sector)

The Achieved Research Activities in Yemen (4)

- A Plan for Groups Discussion and Interview for the People in Al-Mujellis Village and in Wadi Zabid and Rema'a.
 - Down-top approach.
 - It will be a group discussions with people and notes will be taken.
 - For the people interviews and group discussion, it will be used different techniques to encourage people for participation.
 - Research questions is well prepared to cover the different domains (social, economical, institutional, political and technical) to be fulfilled during the planned field visit.

The Achieved Research Activities in Yemen (5)

- A Plan for Interviews and Questionnaire about Water Sector Institutions.
 - Research questions is well prepared to cover the different institutional players in water sector, to know:
 - Is the goals of each institution are clearly defined? What is the overlapping of activities among these institutions?
 - Assess the strength and weakness in polices and institutional responsibilities toward groundwater.
 - Is there conflict, cooperation, both, or nothing among the different water sector institutions?
 - Is there an intervention from power people (Passive or active).

The Achieved Research Activities in Yemen (6)

- From the information that will be collected during the field visit to Al-Mujellis village (the case study), the plan will be modified to focus more on institutions that are responsible to what happened in Al-Mujellis, in order to know:
 - Who react and take action toward the problems and challenges in the area?
 - Who did remain passive?
 - Who is responsible for the problems that happened in the area?
 - Is it political, institutional, technical, social, or economical domain responsibility?

Thank You