



STRATEGIC PROGRAM FOR CLIMATE RESILIENCE (SPCR) – REPUBLIC OF YEMEN

Presentation to the PPCR Sub-Committee
Meeting
April 30, 2012

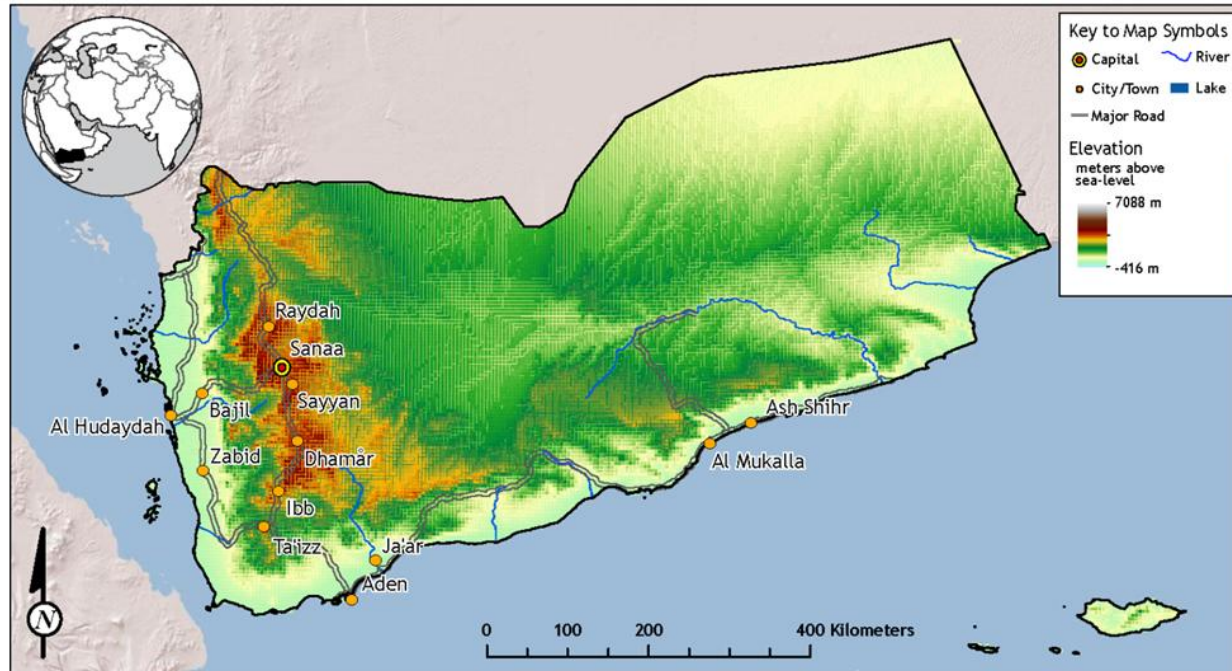
Mahmood Shidiwah, Chairman
Anwar Noaman
Environment Protection Authority
Republic of Yemen

Content



- Background
- Vulnerability to Climate Change
- The SPCR
- Budget and Finance
- Sub-Committee Meeting (Nov. 2)
- PPCR/SC.9/CRP.3
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- Next Steps – Project Preparations

Main land systems



1. **Tihama Coastal Plain**, a hot and humid region along the Red Sea and the Gulf of Aden some 30 to 60 km wide;
2. **Highlands**, a volcanic region with elevations from 1,000 to 3,600 m,
3. **High Plateaus and the Hadramawt - Mahra Uplands**, a dissected region with altitudes up to 1,000 m;
4. **Al-Rub Al-Khali** desert interior, with a hot and dry climate; and
5. **Yemeni islands**, including the Socotra Archipelago in the Arabian Sea and more than 112 islands in the Red Sea.

Key challenges: Vulnerability and climate change/variability

- Increased water scarcity and reduced water quality, leading to increased hardship on livelihoods;
- Increased drought frequency, temperatures, number of flash floods, and changes in precipitation patterns, leading to degradation of agricultural lands, soils and terraces;
- Deterioration of habitats and biodiversity, leading to expansion of desertification;
- Reduced agricultural productivity leading to increased food insecurity and reduced income generating activities;



Key challenges: Vulnerability and climate change/variability – cont.

- **Increased sea level**, leading to deterioration of wetlands, coastal mangrove migration, erosion, infrastructure damage, and seawater groundwater intrusion;
- **Increased climatic variability**, leading to the possibility of spread and growth of vector borne and water borne diseases;
- **Impacts on coastal zones**, leading to a loss of economic activity;
- **Absence of long-term climatic data**, rendering planning and prediction problematic.



The National Adaptation Program of Action...

... identified

- WATER
- AGRICULTURE
- COASTAL AREAS
- BIODIVERSITY

...among the main vulnerable sectors in the country.



Consultations

- ✓ **Thematic working group (TWG members)** – 5 thematic groups,
- ✓ **National level expert consultations** -experts, professionals, civil society organizations and other advocacy groups (women)
- ✓ **Regular meetings of IMCCC and Technical Committee**
- ✓ **Government level consultations:** 6 Government – meetings, government, non-government, civil society, interest groups –women and vulnerable groups
- ✓ **Community level consultations:** 10 communities – app. 630 persons (farmers, fishermen, CSOs, women groups, private sector)



SPCR Working Process

Institutional

-IMCCC

- PPCR Steering Committee

CCU- PCU + Project Team

Functional

PPCR Thematic Working Groups:

- Water

- Agriculture

- Biodiversity

Coastal Areas

- Health

Process

Desk Review, Scoping and Stocktaking

Assessment of Climate Risks/Vulnerability

Institutional Analysis

Adaptive Capacity Assessment

Definition of Priority Needs/Investments

Resilience Assessment

Design Implementation Modalities

Proposed SPCR Investments



I: Climate Information System and PPCR Program Coordination



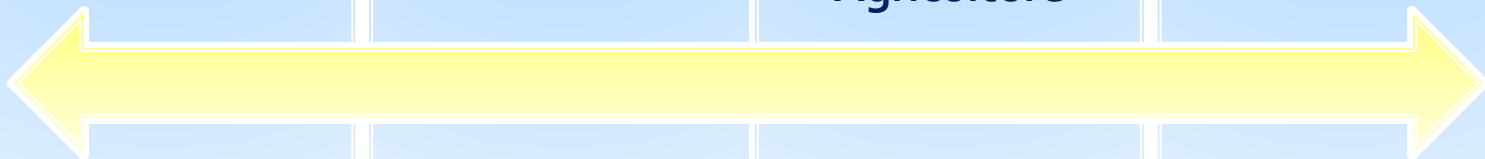
II: Improving the Climate Resilience of the Water Sector



III: Improving Rural Livelihood through Adaptation in Rain-fed Agriculture



IV: Climate-Resilient Integrated Coastal Zone Management





Investment I: Climate Information System and PPCR Program Coordination

Objectives: i) to deliver hydro-meteorological and climate services to end users effectively; and ii) to maintain Program Coordination of the PPCR.

- Production of reliable data and information.
- Early warning systems functional in three areas identified as vulnerable to disasters.
- Information and data are used for planning and implementation of future programs and projects.
- Increased capacity of practitioners leading to informed decision making
- Routine general and targeted delivery of weather forecasts to end users.
- Establishment of a mechanism for data sharing.
- Coordination of PPCR implementation, particularly in regards to knowledge management and information sharing.
- Integration and capacity-building support for gender sensitive approaches and awareness activities in overall PPCR implementation.

Investment II: Improving the Climate Resilience of the Water Sector



Objective: to improve climate resiliency of the water sector and thereby promote sustainable long-term growth and protect vulnerable populations.

- Improve the capacity of central and local institutions in managing the water sector
- Improved water structure to manage floods and recharge ground water, improve water supplies to local communities, and reduce runoff and protect soil and crops
- Increase the capacity of Water Users Associations (WUAs) so they can conduct effective local monitoring and law enforcement
- Communities take primary responsibility for integrated management of their own water resources

Investment III: Improving Rural Livelihood through Adaptation in Rain-fed Agriculture



Objective: to improve the resilience of local populations to climate risks

- Innovative soil and water conservation practices improve agricultural productivity
- Improve the livelihoods of local populations and reduce the impact of climate risks
- The security of the most vulnerable groups is increased

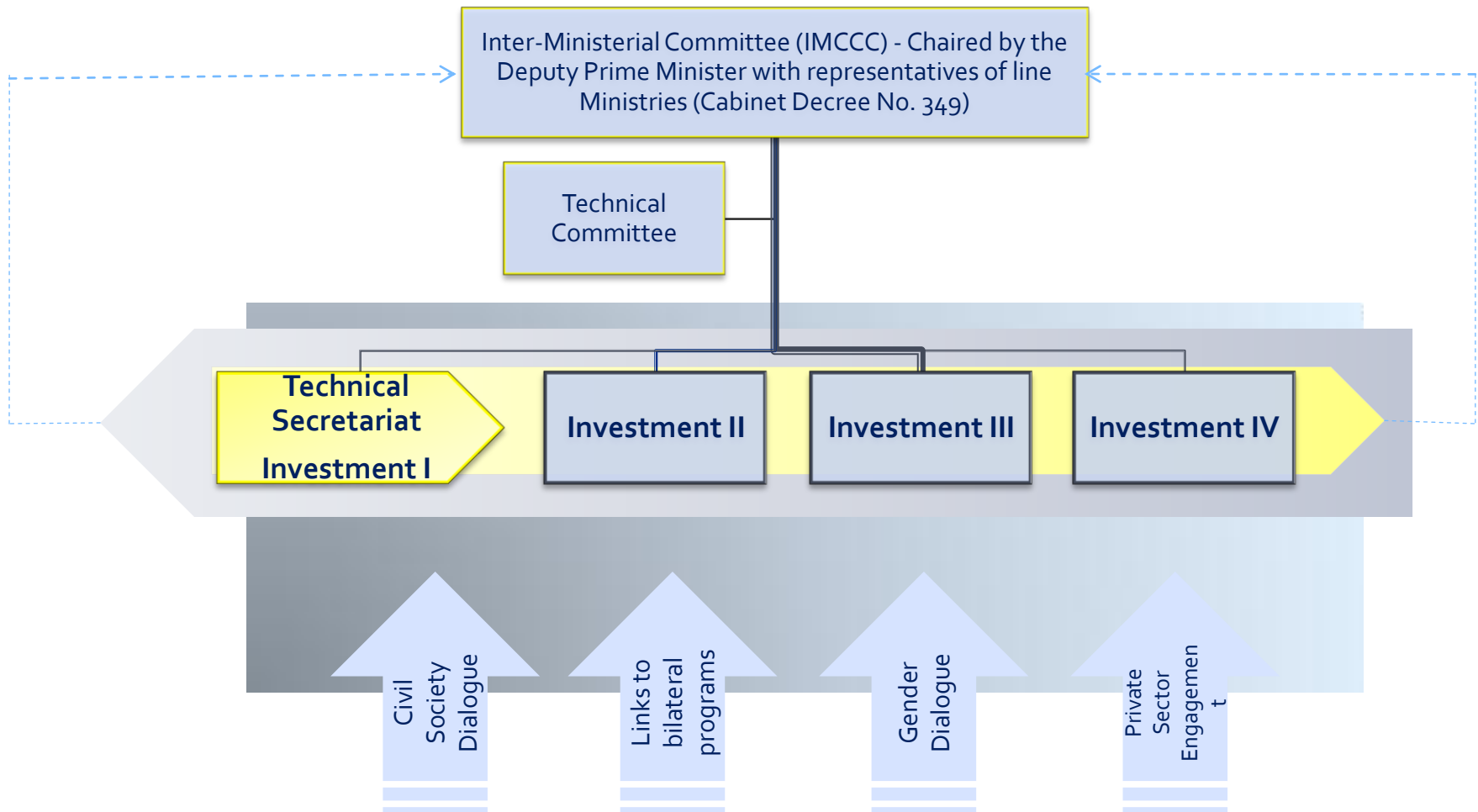


Investment IV: Climate-Resilient Integrated Coastal Zone Management

Objective: enhance capacity and awareness of institutions and stakeholders on climate-resilient ICZM, at national and local levels in selected coastal governorates; and b) demonstrate benefits of implementing climate-resilient ICZM in three target sites.

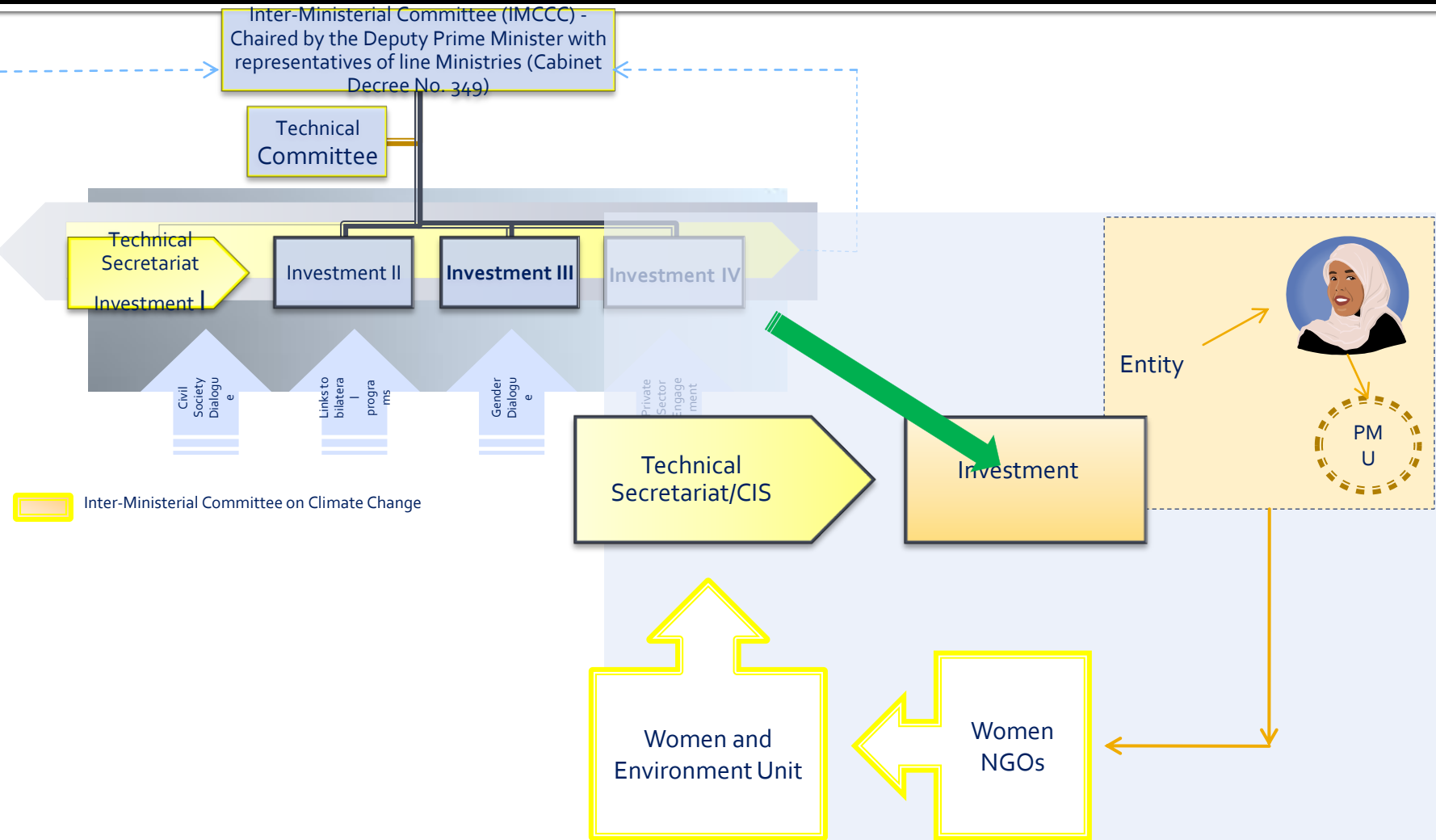
- Strengthened institutional capacity to integrate climate-resilient ICZM into decision making at targeted governorates
- Increased awareness to ICZM and climate change.
- Increased capacity of local practitioners to generate localized, downscaled climate change models, and established institutional linkages, including with the future National Climate Information System, leading to informed decision making and development planning for the coast.
- Demonstration of climate adaptation measures at the three target sites

SPCR Management Structure



Inter-Ministerial Committee on Climate Change

Gender Smart Management Framework



Independent Technical Review Findings

- The plan is **well coordinated** with the state of development and capacity in Yemen, is technically sound and adequately addresses priority issues
- **Consultation has been extensive**, both with the public sector of Yemen, with other donors, and the stakeholders of Yemen
- SPCR complies with PPCR objectives and criteria
- Focus areas are logical and represent opportunities for much progress
- The overall plan is well thought out, **logical**, and clearly **builds from priorities identified in the NAPA**
- SPCR is a **technical strong framework**

Budget and Finance

Financial resources required for the SPCR (US\$ million)				
Project/Program Concept Title	Requested PPCR Amount (\$)	Grant or Credit	Preparation grant request (\$)	Total PPCR request
<i>Investment I:</i> Climate Information System and PPCR Program Coordination	19.0 M	Grant	500,000	19.0
<i>Investment II:</i> Improving the Climate Resilience of the Water Sector	25.0 M	2.0 Grant, 23.0 Credit	500,000	25.0
<i>Investment III:</i> Improving Rural Livelihood through Adaptation in Rain-fed Agriculture	46.0 M	9.0 Grant, 37.0 Credit	400,000	46.0
<i>Investment IV:</i> Climate-Resilient Integrated Coastal Zone Management	20.0 M	Grant	500,000	20.0
TOTAL	110.0 M	50.0 Grant, 60.0 Credit	1.9	110.0

Sub-Committee Meeting Nov.2

YEMEN

Strategic Program for Climate Resilience

Prepared under the Pilot Program for Climate Resilience



- Presented the SPCR on November 2 at the PPCR Sub-Committee Meeting
- Decision PPCR/SC.9/CRP.3 was taken

PPCR/SC.9/CRP.3

- The PPCR Sub-Committee, having reviewed the Strategic Program for Climate Resilience for Yemen, expresses its sincere appreciation for the significant efforts and human and financial contributions of the government in preparing the plan. The Sub-Committee **welcomes the high technical quality of the plan and the strong independent technical review.**
- The Government of Yemen and the World Bank Group are invited to revise the plan taking into account **comments and questions** that have been raised by Sub-Committee members during the meeting and any written comments that are **submitted through the CIF Administrative Unit by November 15, 2011.**
- The Sub-Committee requests the Government of Yemen, once the World Bank has **lifted its temporary suspension**, to consult with the Sub-Committee prior to submitting such revised SPCR for endorsement, through a decision by mail, as a basis for the further development of the projects and **approval of PPCR funding.**

Update



NO comments were received through the CIF Administrative Unit **by November 15, 2011.**



On January 20, 2012, **the temporary suspension was lifted.**



Additional consultations were carried out (November 2011 – April 2012,

Additional consultations from November ...



... reconfirmed the priority setting of Yemen's Strategic Program for Climate Resilience.

National

- 2 workshops
- 3 IMCCC Meetings
- Thematic Working Group Meetings

Governorate

- Community Group Meetings
- Women's Groups
- Local Government Meetings

Local

- Site visits and interaction with communities and civil society
- Strong focus on women



Next steps – upon endorsement of the SPCR



Continued consultations



Detailed design of knowledge management systems



Detailed design of M&E frameworks



Completion of ongoing Phase I studies



Detailed preparation of Phase II investments

Statement by the Government of Yemen



Statement by the Government of Yemen



Thank you

