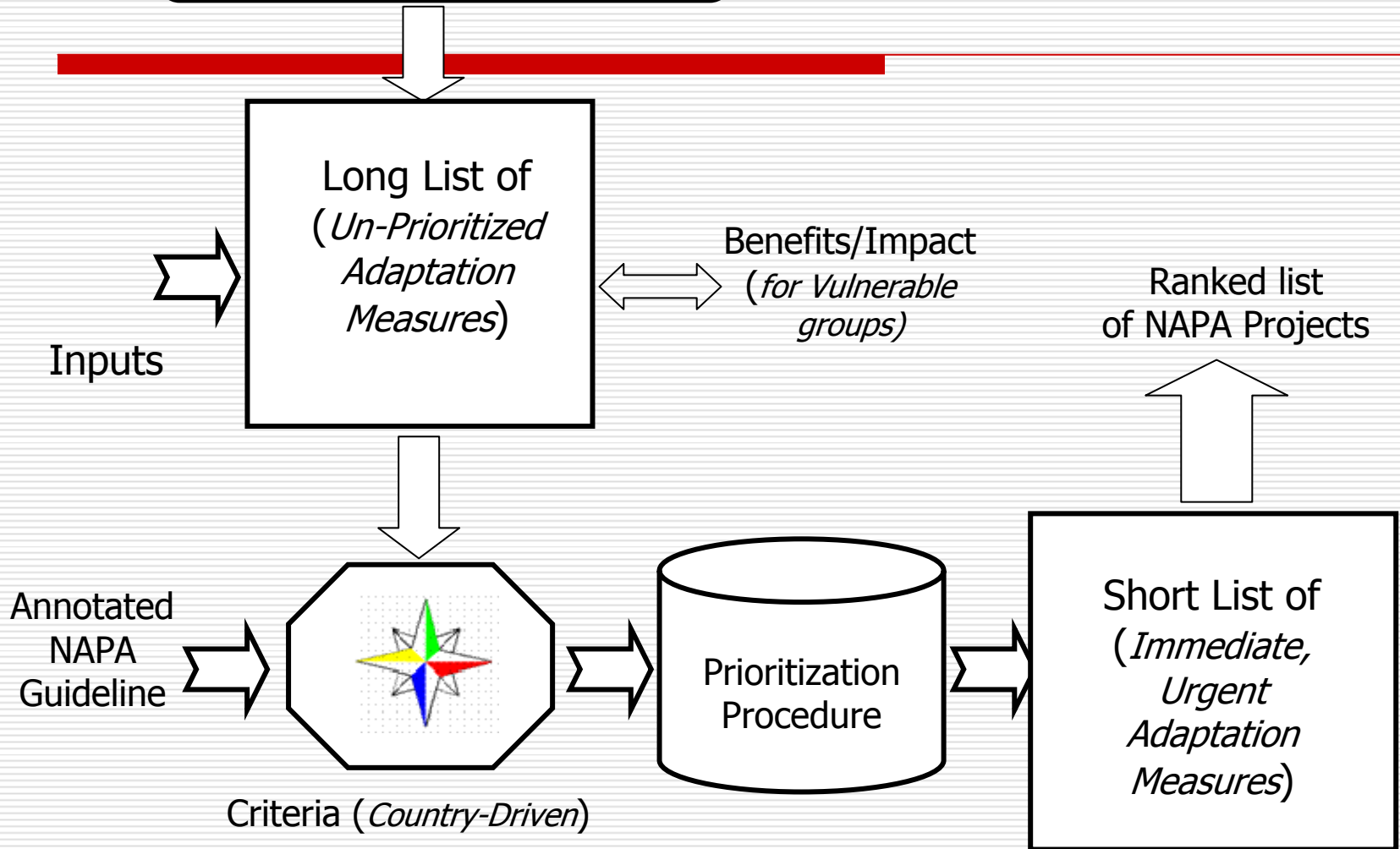


# Yemen National Adaptation Programme of Action to climate change

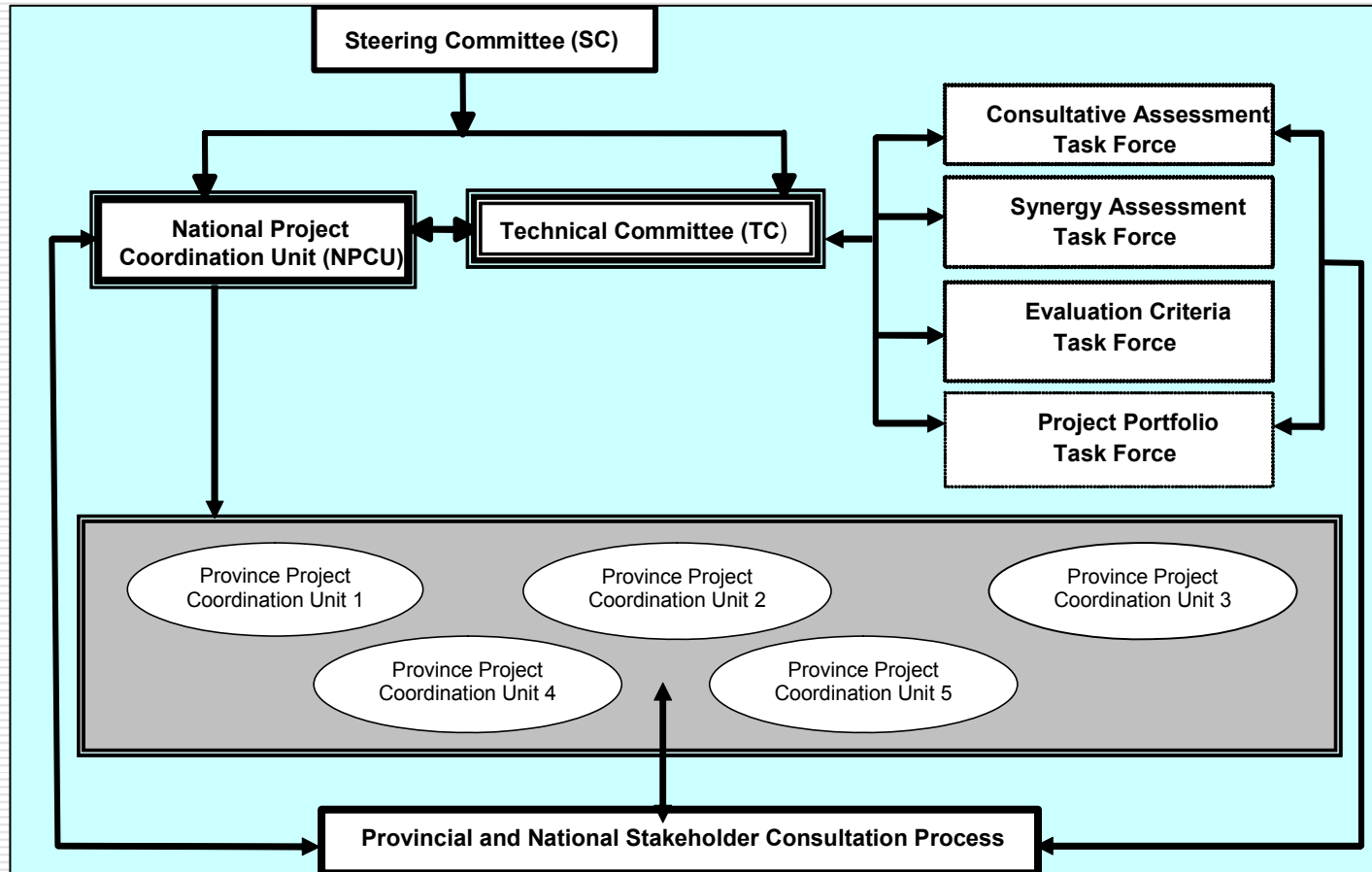
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Presented to:  
LEG/NAPA side event of SBI 30 – 2 June, 2009  
Bonn

## Yemen NAPA Goals



# Organizational chart for NAPA process



# Priority adaptation sectors

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## **key sectors identified:**

Water

Agriculture

Coastal zones

Cross sectoral

12 high priority projects

**Cost:** USD 29.92 million

## **Selection process:**

Evaluation criteria locally  
determined through the  
stakeholder consultation

Multicriteria analysis to  
lead to a discrete set of  
prioritized adaptation  
projects

# National evaluation criteria

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- ☐ Contribution to Sustainable Development;
  - ☐ Livelihood security of Local Communities;
  - ☐ Poverty reduction to enhance adaptive capacity;
  - ☐ Synergy with other multilateral environmental agreements; and
  - ☐ Cost-effectiveness
-

# Ranked priority adaptation projects (1)

	<b>Project title</b>	<b>Sector</b>	<b>Time frame</b>	<b>Budget (USD)</b>
<b>1</b>	Develop and implement integrated coastal zone management	Marine & coastal areas	4 years	3.2 million
<b>2</b>	Water conservation through reuse of treated waste water and grey water from mosques, and irrigation saving techniques	Water and agriculture	3 years	3.2 million
<b>3</b>	Awareness raising on adaptation to climate changes	Public awareness	2 years	0.65 million
<b>4</b>	Establishment and maintaining of climate change database	Cross-cutting	2 years	0.35 million
<b>5</b>	Planting and re-planting of mangroves and palms for adaptation to sea level rise	Marine & coastal areas	5 years	2.45 million
<b>6</b>	Develop and implement programs to improve Yemen's preparedness to cope with extreme weather events	Cross-cutting	4 years	5 million

# Ranked priority adaptation projects (2)

	Project title	Sector	Time frame	Budget (USD)
<b>7</b>	Rainwater harvesting through various techniques including traditional methods	Water and agriculture	3 years	2.81 million
<b>8</b>	Rehabilitation and maintenance of mountainous terraces	Agriculture and land resources	5 years	4.78 million
<b>9</b>	Promotion of research on drought, heat and salinity tolerant varieties	Agriculture and land resources	4 years	3.15 million
<b>10</b>	Sustainable land management to combat desertification and land degradation	Agriculture and land resources	3 years	2.33 million
<b>11</b>	Sustainable management of fisheries resources	Marine & coastal areas	5 years	1.18 million
<b>12</b>	Incorporation of climate change and adaptation into school education	Education & awareness	2 years	0.82 million

# Country wide consultation process

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# Barriers to NAPA implementation

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- ❑ Weak institutional structures and environmental legislations
  - ❑ Lack of explicit policies to facilitate the implementation of NAPA recommendations
  - ❑ Lack of appropriate data and lack of technical capacity to analyze and manipulate these data
  - ❑ Uncertainties in regional, local climate change scenarios and socio-economic scenarios
  - ❑ Low awareness for policy and decision makers regarding climate change
  - ❑ Inadequate institutional, technical and financial capacity to develop, modify or interpret existing models and methodologies
  - ❑ Scarce research work on the practical application of policy measures for adapting to climate change
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# Moving to implementation: Submission of 1<sup>st</sup> PIF

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- ❑ **Title:** Integrated coastal zone management in Yemen
- ❑ **GEF Agency:** World Bank
- ❑ **Submission:** 9 April 2009
- ❑ **Implementation start:** September 2010
- ❑ **Project closing:** September 2014

## **Main objective:**

- To **address the impacts** of climate change on coastal zones and local communities through set of urgent measures
  - **Strengthening policy** and institutional framework
  - Provision of **value added information** and database
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# Financing 1<sup>st</sup> project implementation

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LDCF: USD 3.2 million

Co-financing\* USD 11.3 million

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Total cost USD 14.5 million

\* Co-financing includes: government contribution, soft loan from GEF agencies, hard loan from private sector

→ Directly complement the USD 21 million fisheries resource management and conservation project which aims to improve resource management and fish quality along the entire coastline of Yemen

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***Thank you for your attention***

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