

# **National Mechanism for Certifying CDM Projects**

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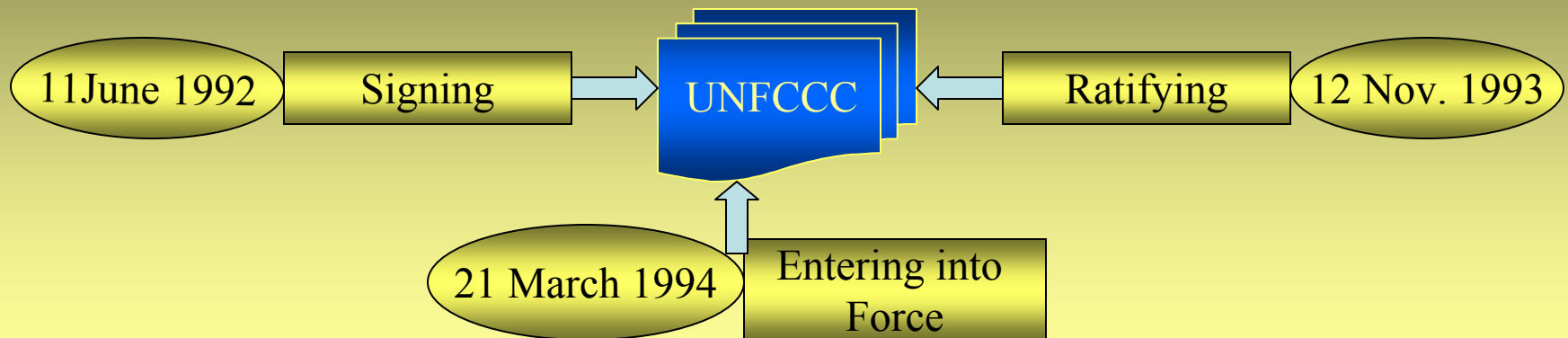
# Map of Jordan



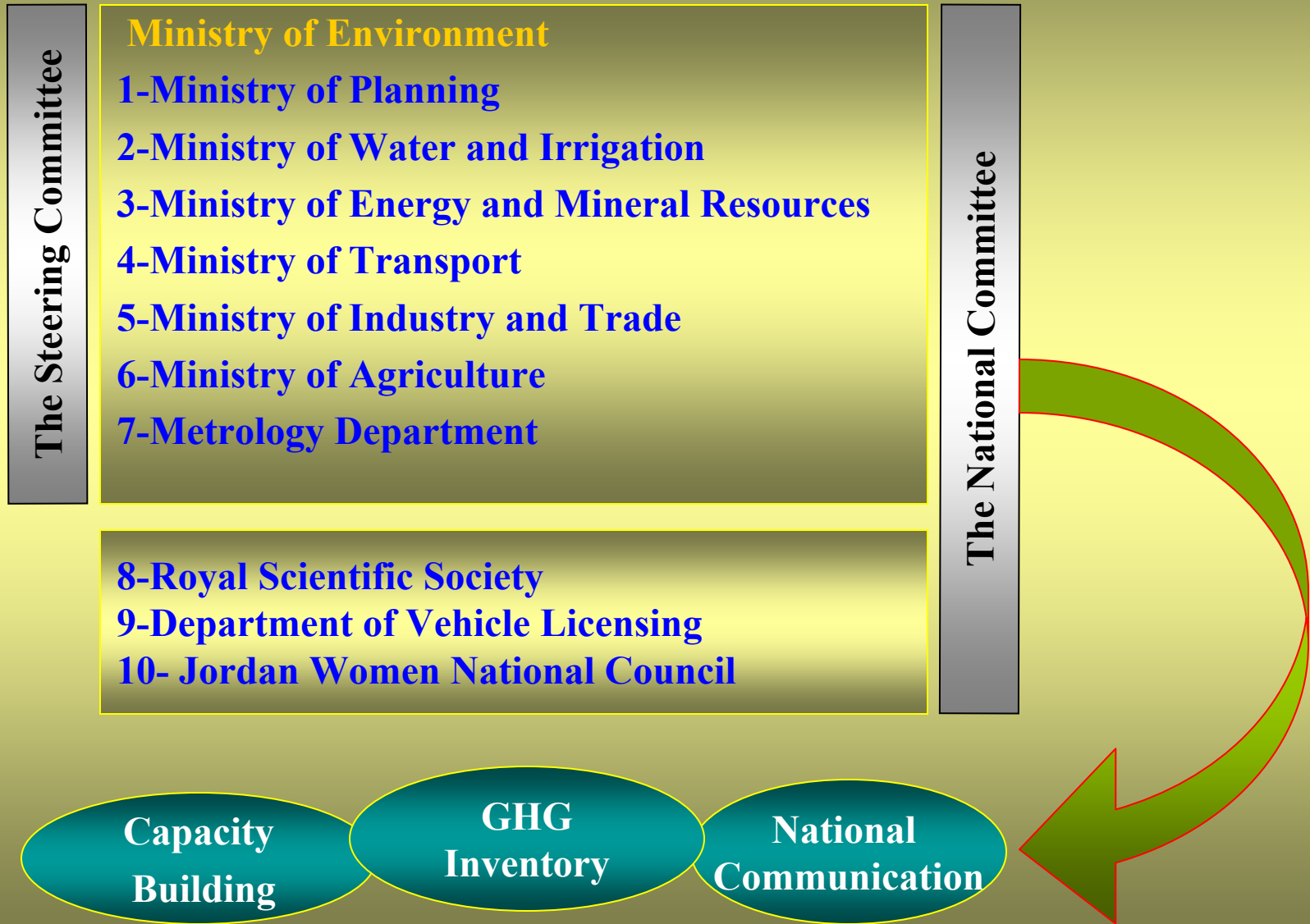
## Country Profile

<b>Location</b>	<b>Middle east</b>
<b>Area</b>	<b>About 90,000 km<sup>2</sup></b>
<b>Climate</b>	<ul style="list-style-type: none"><li>- <b>Jordan Valley : av. tepm. 16 ° C - 35 ° C</b></li><li>- <b>High lands : av. tepm. 10 ° C - 30 ° C</b></li></ul>
<b>Population</b>	<b>5.3 Million</b> <ul style="list-style-type: none"><li>- <b>Badia (Desert): av. tepm. 5 ° C - 37 ° C</b></li></ul>
<b>Population growth</b>	<b>2.1 %</b>
<b>Life expectancy</b>	<b>70.9 years</b>
<b>Adult literacy</b>	<b>90.9 %</b>

## Development of Jordan Concern in Climate Change



# Climate Change National Institutional Frame Work



# CDM Project

Internal level

External level

National licensing  
Requirements

{ Licensing Committee }

Project design &  
formulation

Technical Supporting  
Committee

DNA

National approval as  
CDM project



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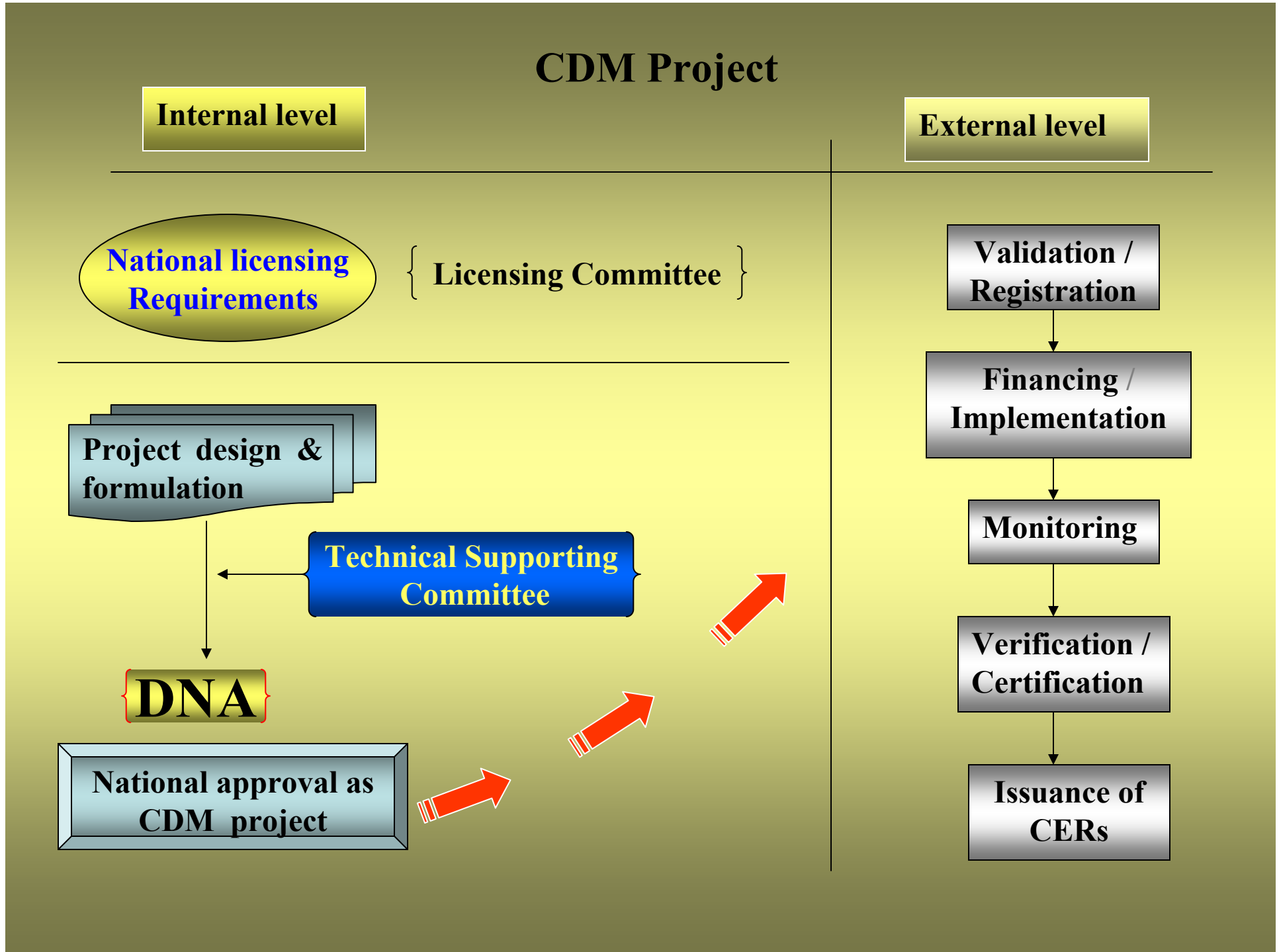
Validation /  
Registration

Financing /  
Implementation

Monitoring

Verification /  
Certification

Issuance of  
CERs



# Designated National Authority (DNA)

DNA

DNA Technical Committee

- Permanent C.C. Unit
- Academics
- NGOs
- Private Sector
- Other Stakeholders

Screen  
Examine

- Formatting
- Sustainability
- Methodology
- GHG Reduction
- CDM Compliance

Report

High Level (DNA) Committee

**S.G. Ministry of Environment**

- 1- S.G. Ministry of Energy and Mineral Resources
- 2- S.G. Ministry of Water and Irrigation
- 3- S.G. Ministry of Transportation
- 4- S.G. Ministry of Planning
- 5- S.G. Ministry of Agriculture
- 6- S.G. Ministry of Industry and Trade
- 7- S.G. Ministry of Municipal Affairs
- 8- Director General of Public Security
- 9- President of the Royal Scientific Society

Discussion

Approval



## What has been done ?

- **CDM project 1: Fuel switch in Aqaba Thermal Power Station.**

### **Description:**

**Conversion of HFO to NG in the five units of CEGCO in Aqaba city.**

### **Outputs:**

- **42% reduction in CO<sub>2</sub> emissions ( 1.47million metric ton /annum)**
- **20% reduction in NO<sub>x</sub>**
- **Eliminate the SO<sub>2</sub> emissions**
- **Eliminate the particulate emissions.**

- **CDM Project 2 : Amman – Zarka Light Rail System**

### **Description:**

**Construction and operation of an electrified passenger light rail system between the largest two cities in Jordan. (25.9 km)**

**Outputs:**

- **19% reduction in CO<sub>2</sub> emissions ( 58,754 ton /annum)**
- **2.2% reduction in NO<sub>x</sub> (519 ton /annum)**

**CDM project 3: Utilizing of Rusaifa Landfill Gas.**

**Description:**

**Generation of electricity by collecting the landfill gas of 50% methane content in an internal combustion engines.**

Thank You