



# Messages from the High Level Policy Dialogue to Promote SE Investment in the Arab Region

High-Level Conference: “Regional Cooperation to Accelerate Sustainable Energy Innovation and Entrepreneurship in Developing Countries”, 3rd October 2018, Vienna, Austria





**Under the Patronage of  
H.E. Prof. Dr. Alexander Van der Bellen  
Federal President of the Republic of Austria**

# **10<sup>th</sup> ARAB-AUSTRIAN ECONOMIC FORUM & EXHIBITION**

**Conference on:**

**Energy Transition – Urban Technology and Sustainable Cities  
New Opportunities for International Cooperation and Partnerships**

## 1. RCREEE Introduction

## 2. Arab Region in Numbers

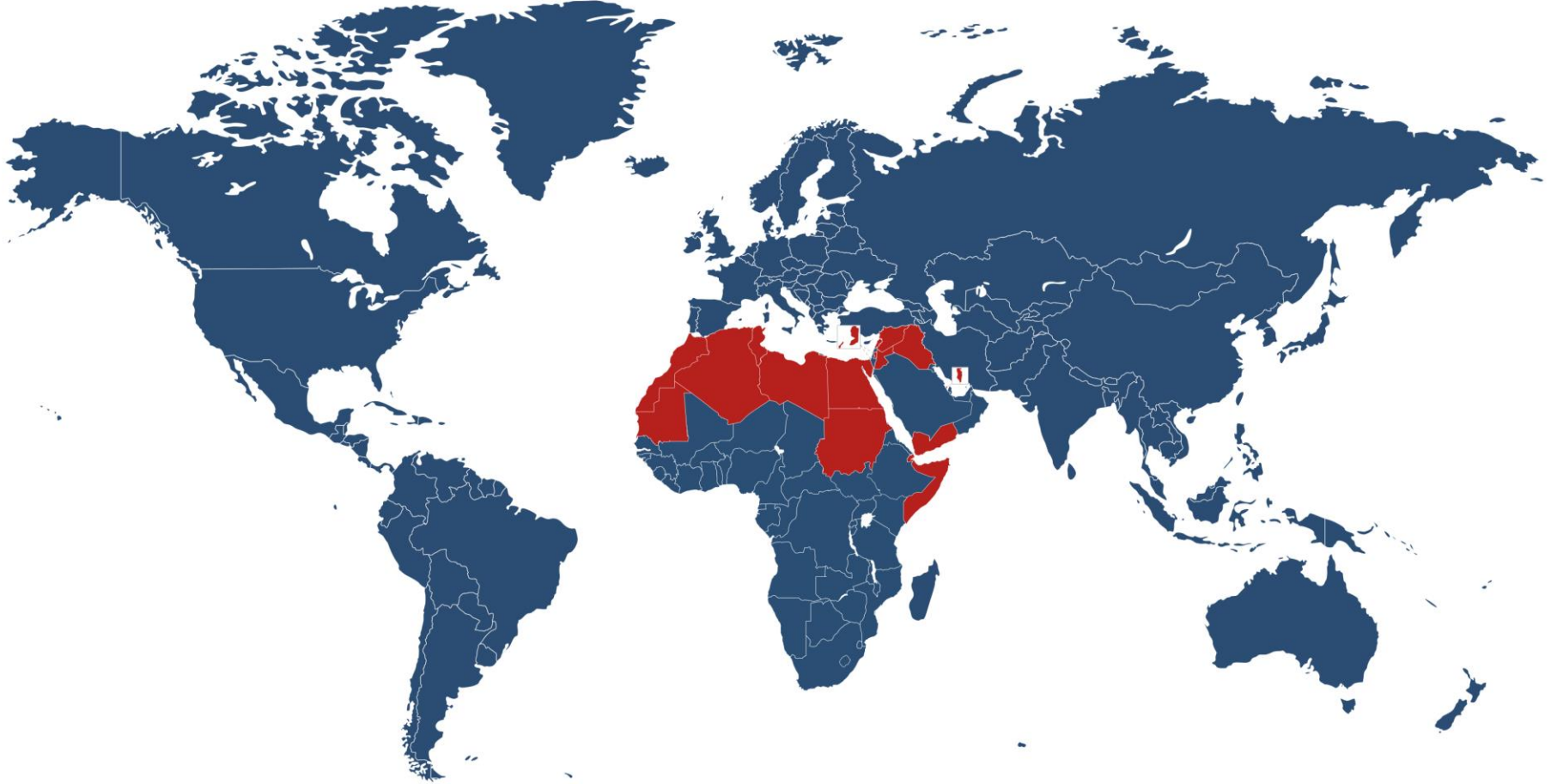
## 3. NDCs and Climate Finance in the Arab Region

## 4. High Level Policy Dialogue

## 5. Messages

# RCREEE Introduction

## The Role of Regional Coordination ....



Work in the **Pan-Arab Region...**  
know how to navigate your way

# RCREEE – Who we are



**Intergovernmental Organization with 17 Member States**



**The technical arm of the League of Arab States**



**A leader in clean energy policy dialogues, strategies, technologies and capacity development**



**The first regional renewable energy and energy efficiency centers across the world**



**Secretariat in Cairo, Egypt with regional antennas and a pool of short-term experts**

# RCREEE's Mission & Success Factors

*"We, the Regional Center for Renewable Energy and Energy Efficiency, are the strategic partner for the **Arab countries** driving energy transition for the prosperity of all our people."*



## **(Re)Active**

We are connected,  
accessible and  
responsive.



## **Variety**

Our organizational  
structure is flexible,  
multinational and  
attractive for our  
stakeholders.



## **Trust**

Our partners trust us  
to contribute to their  
competitive  
advantage.



## **Growth**

We grow with our  
assignments.



## **Sustainability**

Our business is  
sustainable.

# Arab Region in Numbers

## Energy Challenges and Climate Risks...

# Facts and Figures

- 55% of oil reserve and 24% of gas reserve
- KWh per capita equals around 16000 in Qatar and 150 in Yemen
- Average Annual Energy Demand Growth Rate is 3.7 %
- Lifestyles and consumption patterns are also highly carbon intensive,
- Per capita emissions in many MENA countries are 60% higher than the average among developing countries.
- Poverty rates remain high in many resource-poor MENA countries, such as Yemen and Djibouti.

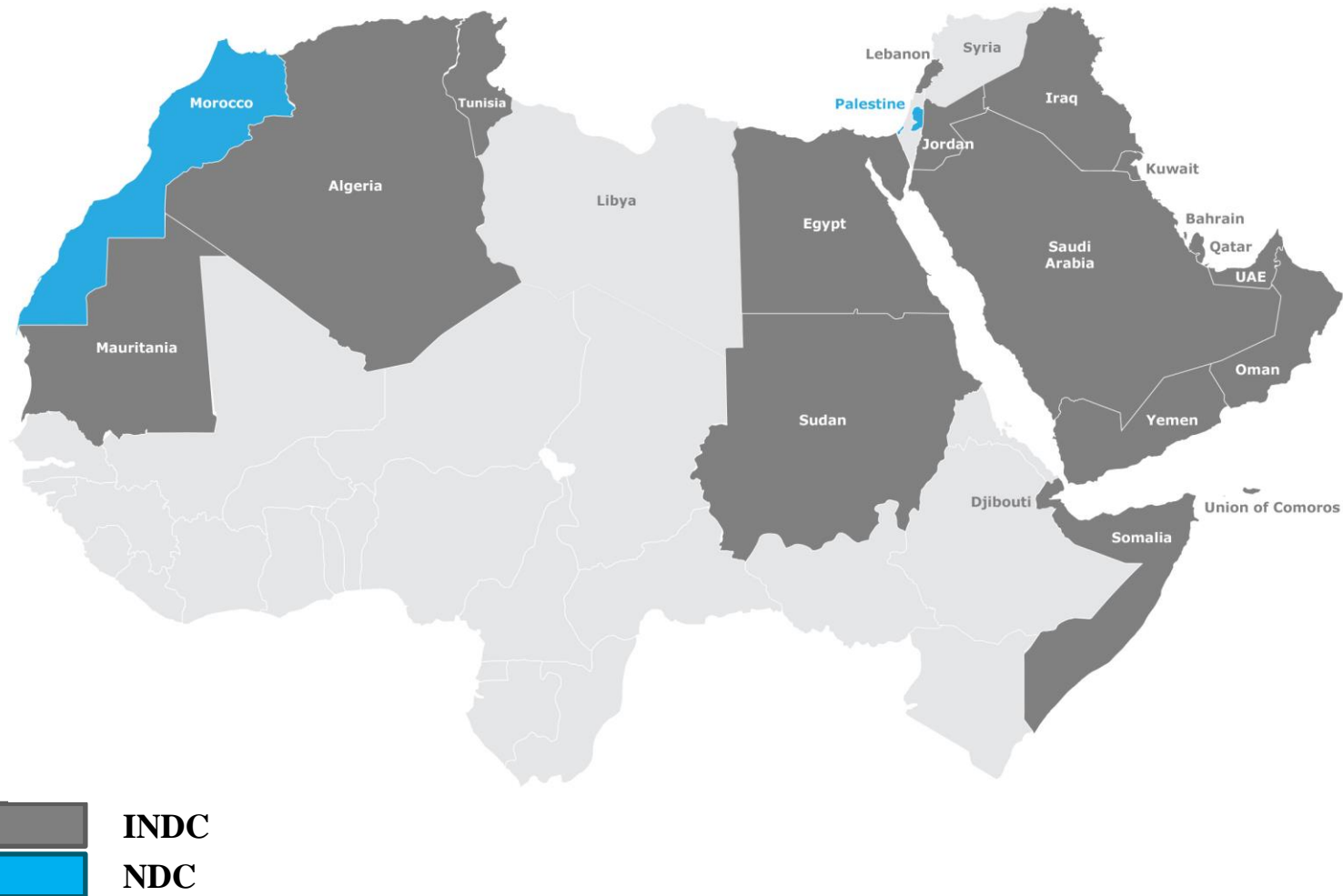
# Climate Risks in Arab Countries

- **14** of the world's 20 most water-stressed countries.
- **6%** Region's annual internal water resources (world av. 38%)
- **4 %** Annual deforestation rates
- **15%** by the year 2025, the water supply in the Arab region will be only 15% of levels in 1960
- **3%** Annual population growth
- **90%** lies in arid, semi-arid and dry sub-humid zones
- **23** Hectares of land lost per minute to desertification

# NDCs and Climate Finance in the Arab Region

**Needs and Gaps...**

# INDCs/NDCs in the Arab Region



# Expected Avoided Emission

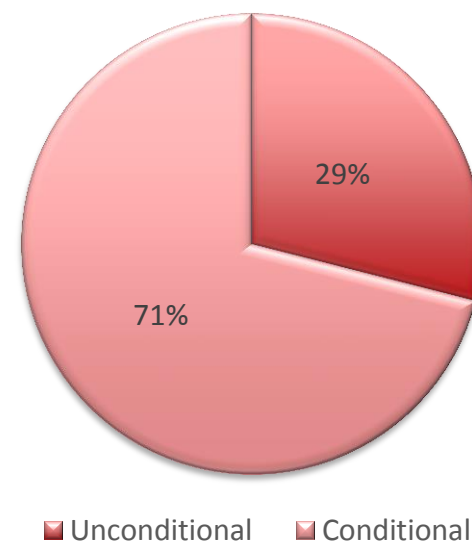
Unconditional and conditional mitigation targets (Reduction % of the expected emissions)

Country	Unconditional	Conditional
<b>Algeria</b>	7%	15%
<b>Djibouti</b>	40%	20%
<b>Iraq</b>	1%	14%
<b>Jordan</b>	1.50%	12.50%
<b>Lebanon</b>	15%	15%
<b>Mauritania</b>	2.70%	19.60%
<b>Morocco</b>	17%	25%
<b>Oman</b>	0%	2%
<b>Palestine</b>	0%	Independence: 24.4%
		Status quo: 12.8%
<b>Tunisia</b>	8.80%	29%
<b>Union of Comoros</b>	0%	84%
<b>Yemen</b>	1%	13%

# Implementation Costs

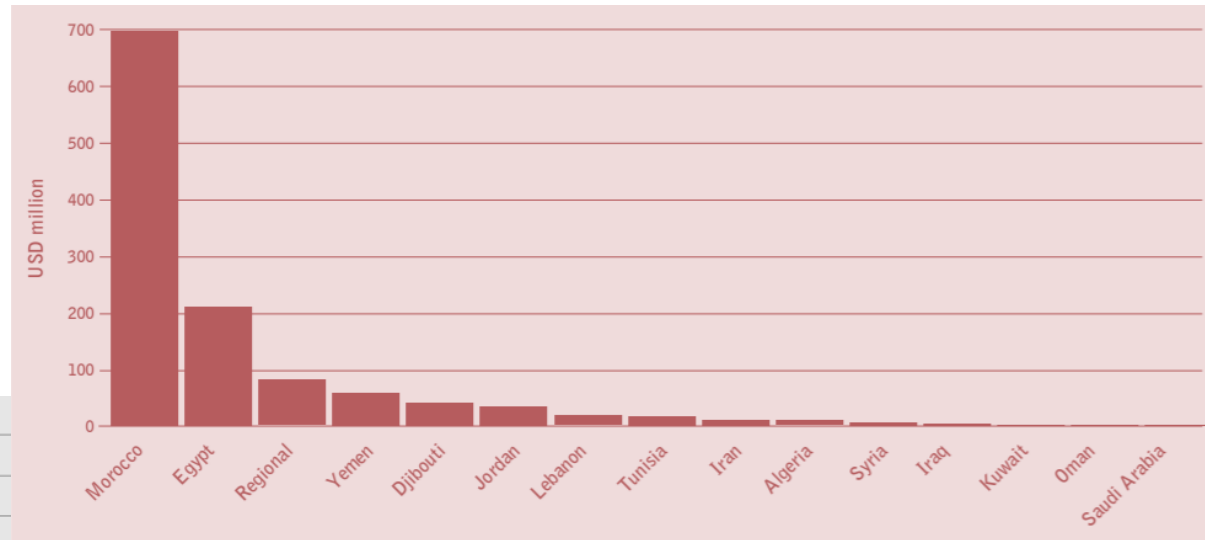
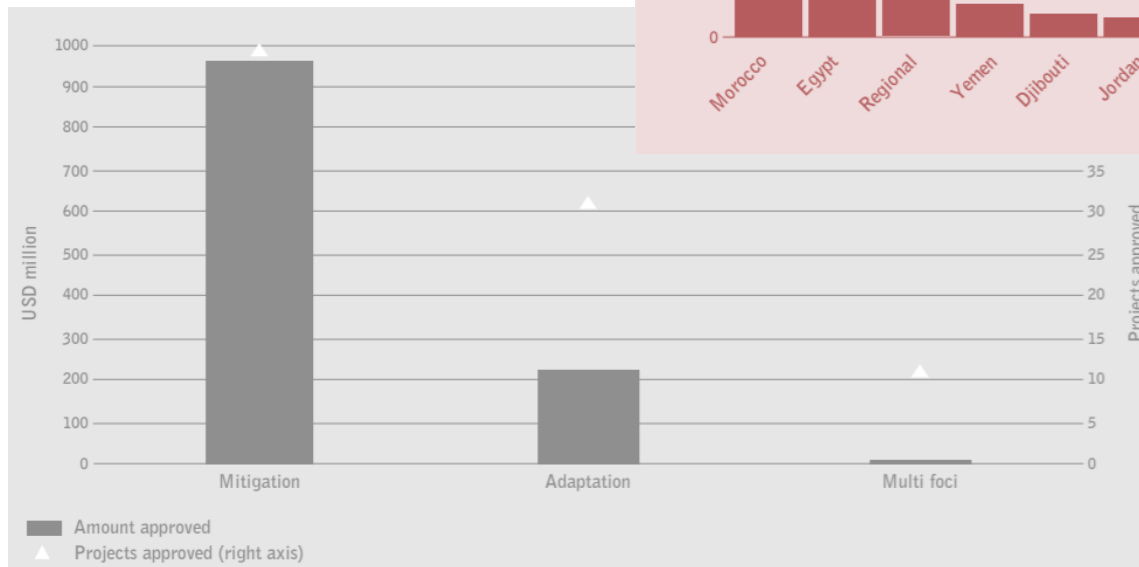
- Not all the 20 countries indicated the expected costs in their INDCs/NDCs
- The total amount for the **8 countries** who mentioned their mitigation costs is more than **USD 149 billion**, 71% of which is conditional on international support

## MITIGATION COSTS



# Climate Finance in MENA Region

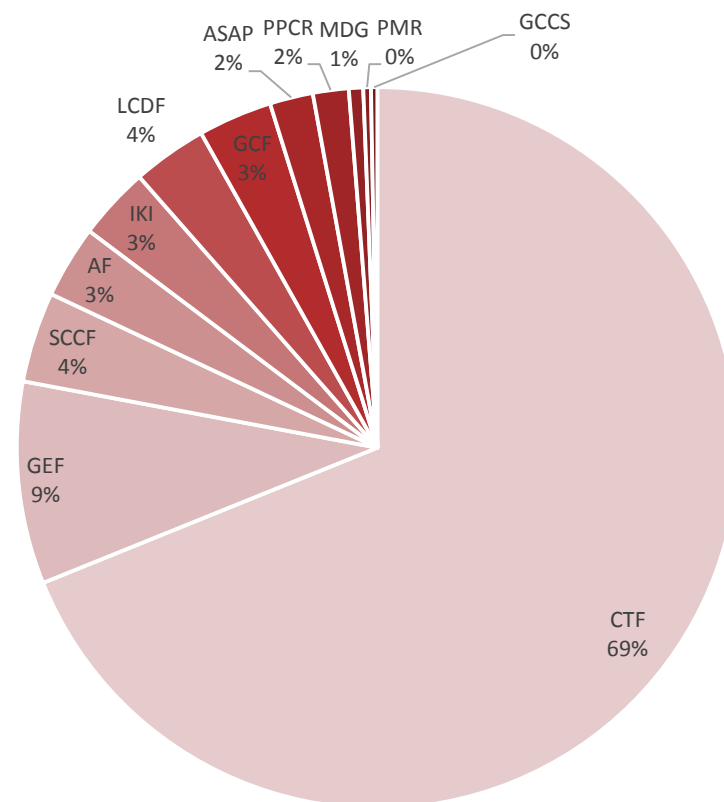
Amount approved for MENA recipient countries (2003-2016)



Approved funding across themes (2003-2016)

# Funds Providers

Fund	Amount Approved (USD millions)	Projects approved
Clean Technology Fund (CTF)	816.05	9
Global Environment Facility (GEF4)	55.57	15
Special Climate Change Fund (SCCF)	48.01	9
Global Environment Facility (GEF5)	31.85	14
Adaptation Fund (AF)	38.62	5
Germany's International Climate Initiative	37.65	8
Least Developed Countries Fund (LDCF)	39.64	9
Green Climate Fund (GCF)	39.30	1
Adaptation for Smallholder Agriculture Programme (ASAP)	23.00	4
Pilot Program for Climate Resilience (PPCR)	19.00	1
MDG Achievement Fund	7.60	2
Strategic Priority on Adaptation (SPA) (from GEF4)	6.02	3
Partnership for Market Readiness	4.05	4
Global Climate Change Alliance (GCCA)	3.36	1
Global Environment Facility (GEF6)	13.99	11



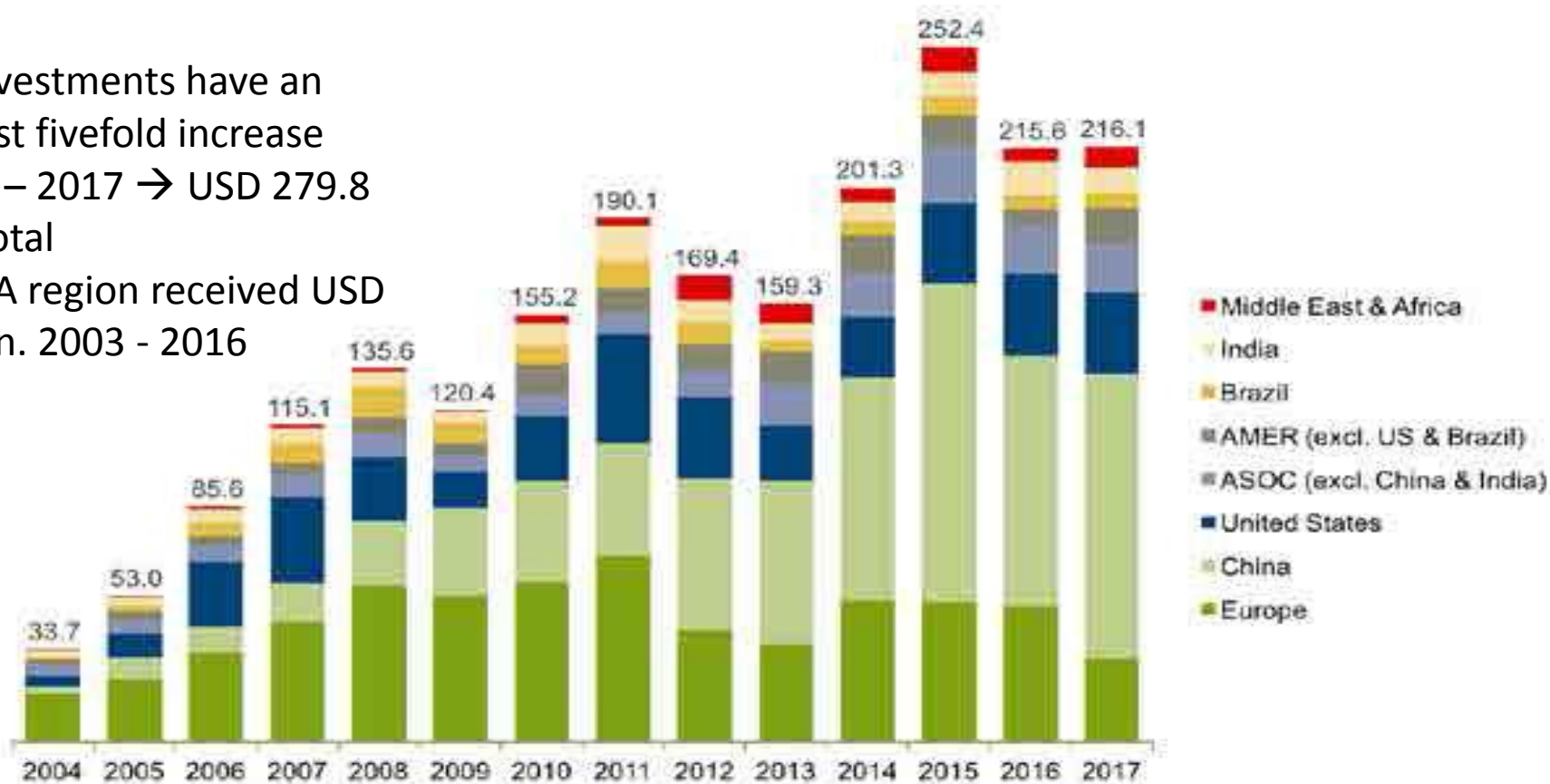
Source: Climate Finance Regional Briefing : MENA

Sejal Patel, Charlene Watson, ODI and Liane Schalatek, HBS, UNDP

# RE Investment Finance

Despite the fact that the Southern Mediterranean countries are most affected by the severe effects of climate change, they are yet some of the least beneficiary countries of the international and regional funds dedicated to climate change.

- RE investments have an almost fivefold increase 2004 – 2017 → USD 279.8 bn. total
- MENA region received USD 1.2 bn. 2003 - 2016



ASSET FINANCE OF RENEWABLE ENERGY BY REGION, 2004-2017, \$BN

Source: Frankfurt School-UNEP Centre/BNEF 2018

# High Level Policy Dialogue

## Modus Operandi and Way Forward....





Regional Center for Renewable Energy and Energy Efficiency  
المركز الإقليمي للطاقة المتجددة وكفاءة الطاقة

Join our session on  
"Investment Enabling Environment"

The first round of "The High Level Policy Dialogue to Promote RE&EE in the Mediterranean Region"

10<sup>th</sup> ARAB-AUSTRIAN ECONOMIC FORUM & EXHIBITION



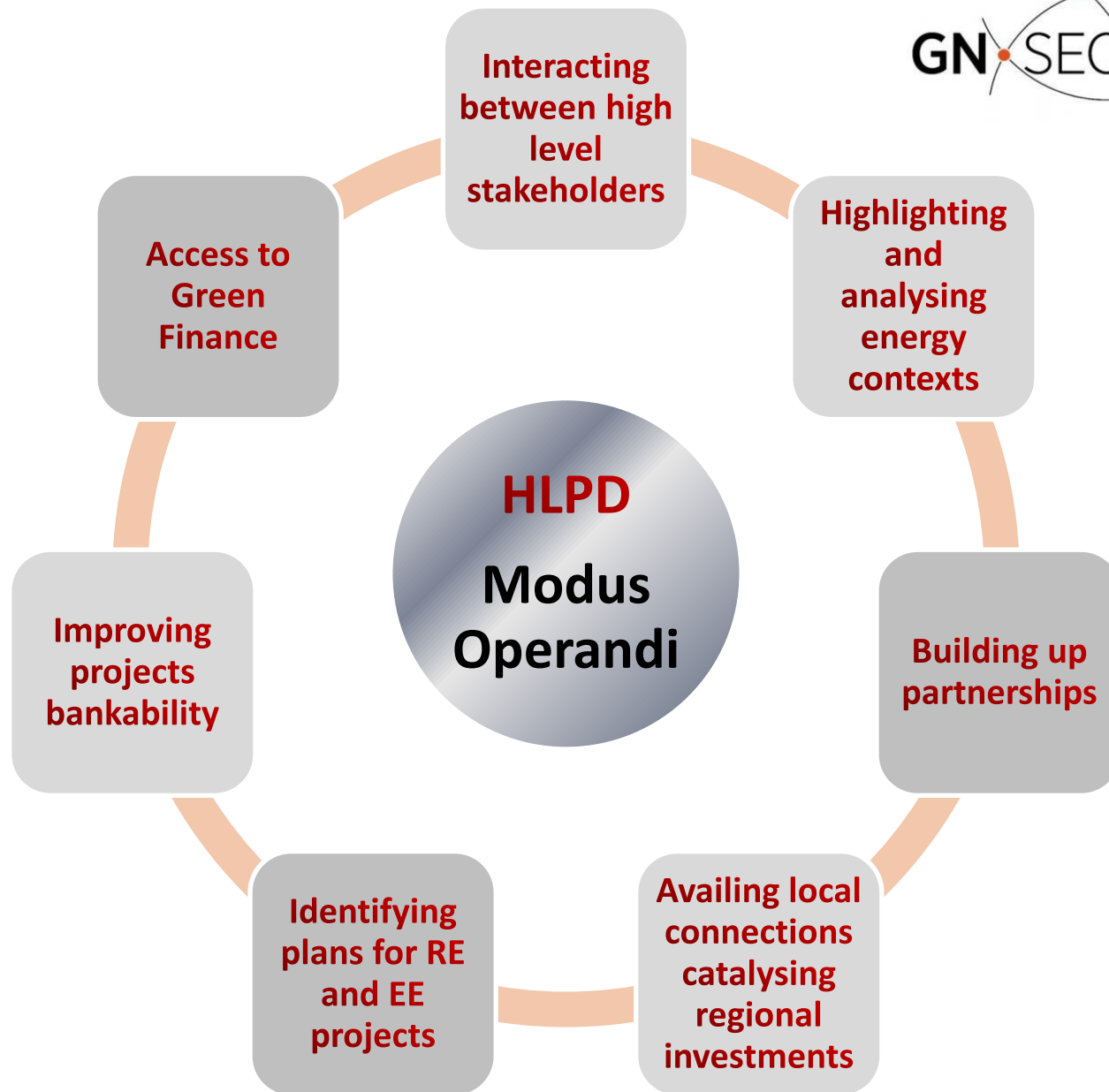
October 1st, 2018, 11:15 – 12:45



Vienna, Austria



vienna  
business  
agency



# Key Stakeholders

## High Level Officials representing governments

Egypt

Palestine

Netherlands

Austria

Iraq

## International Banks and Financing Institutions

AFDB

FMO

ISDB

OFID

Austrian  
Kontrollbank

Rafidain  
Bank

## Investors and Private Sector Representatives

Siemens

Schnieder

Enel Energy

Ghorfa

## Regional Supporting Communities & Organizations

RCREEE

UFM

OME

MEDENER

REN 21

## UN Organizations

SE4All

UNIDO

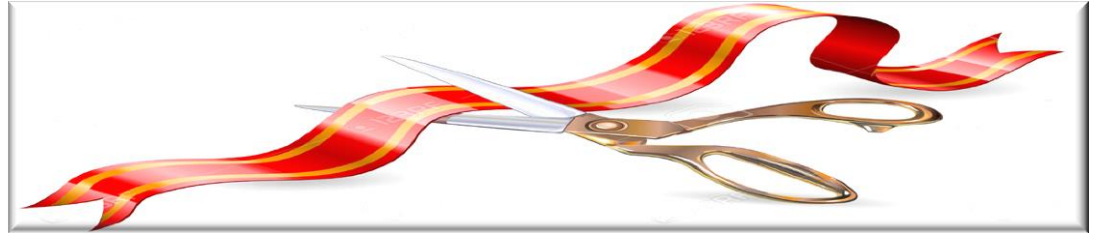
UNDP

UNEP

UN Electric

# HLPD Stages

**Inauguration:  
Concept and Key  
players**



**Gathering Forces:  
Roles and  
Responsibilities**



**Aligning Forces:  
Challenges and  
Opportunities**



**Seizing the Future:  
Outcomes and the  
Way Forward**



# HLPD .....Future



# High Level Policy Dialogue, **Key Messages**



**From Finding Solutions.....  
.....to Financing Solutions**

***The HLPD is bringing together key stakeholders to work on filling the missing gaps and upscaling the deployment of RE & EE investments in the Mediterranean region.***

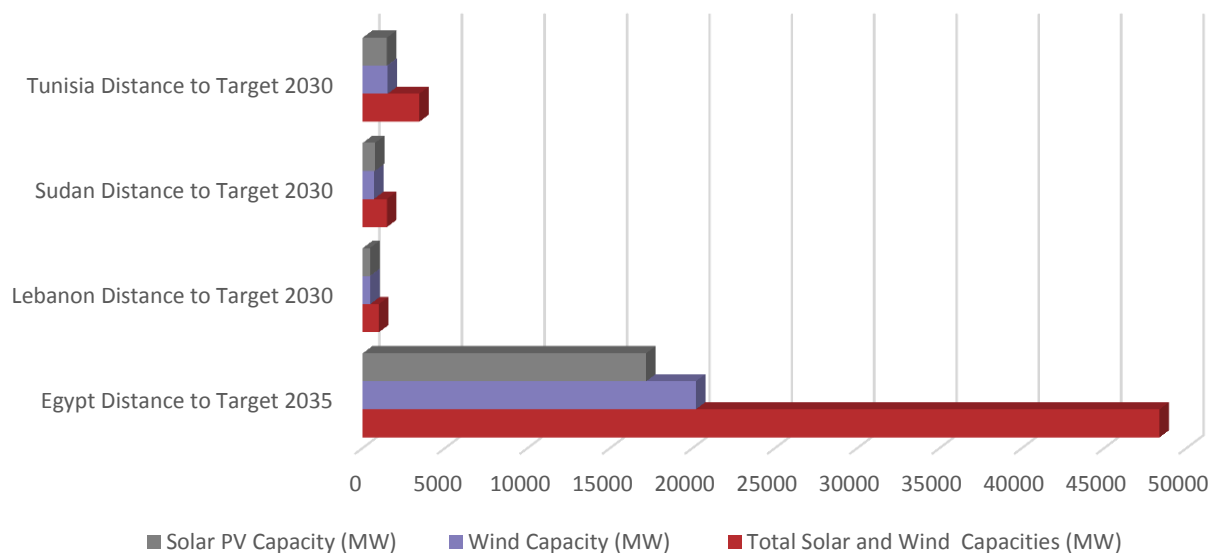


GREEN  
CLIMATE  
FUND



***The HLPD discusses the investment and financial needs and tools in the fields of RE & EE which foster climate change mitigation.***

Solar and wind capacities needed to reach targets



***The HLPD aims to reach an initial list of bankable and realistic projects, ideally based on countries' NDCs/INDCs.***

Sector	Sub Sector	Minor Sector	Algeria	Bahrain	Djibouti	Egypt	Iraq	Jordan	KSA	Kuwait	Lebanon	Morocco	Oman	Qatar	Somalia	Sudan	Tunisia	UAE	Union of Comoros	Yemen
Base year																				
Targeted Year																				
SAU Scenario																				
Base year CO2 emissions																				
Base year Share of Global CO2 emissions																				
Mitigation	CO2 Reduction Target																			
	Expected Cost																			
	Share of Energy Sector within Mitigation																			
Adaptation	CO2 Reduction Target																			
	Expected Cost																			
	Target																			
RE	Expected Reduction of CO2																			
	Expected Cost																			
	Sectors	Solar																		
		Wind																		
		Hydro																		
		Biomass																		
		Waste																		
		Geothermal																		
EE	Target																			
	Expected Reduction of CO2																			
	Expected Cost																			
	Sectors	Household (Building)																		
		Residential																		
		Transportation																		
		Public																		
		Industry																		



***The HLPD coordinates among relevant IFIs to approach all possible financing schemes in order to secure needed finance hand in hand with projects realization.***



***The HLPD outcomes will be channelled by Mitigation Enabling Energy Transition in the Mediterranean region (meetMED) project activities to support regional cooperation and build technical capacity for energy transition in Southern and Eastern Mediterranean (SEM) countries.***



***RCREEE is committed to act as the "catalyser " for developing and putting in action the outcomes of the HLPD and introducing them at ministerial level along with HLPD key stakeholders***



**We rely on you**  
**WE HAVE JUST STARTED**

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**Let us seize this opportunity together**  
**Thank you for your attention**