



RENEWABLE ENERGY SOLUTIONS
FOR THE MEDITERRANEAN

“A step change in the deployment of Renewable Energy and Energy Efficiency solutions in the Mediterranean”

High Level Dialogue

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Secretary General

Cairo, September 28th, 2015, RES4MED Day Egypt

When we started *in 2012* this vision of RE deployment in Mediterranean was mainstream

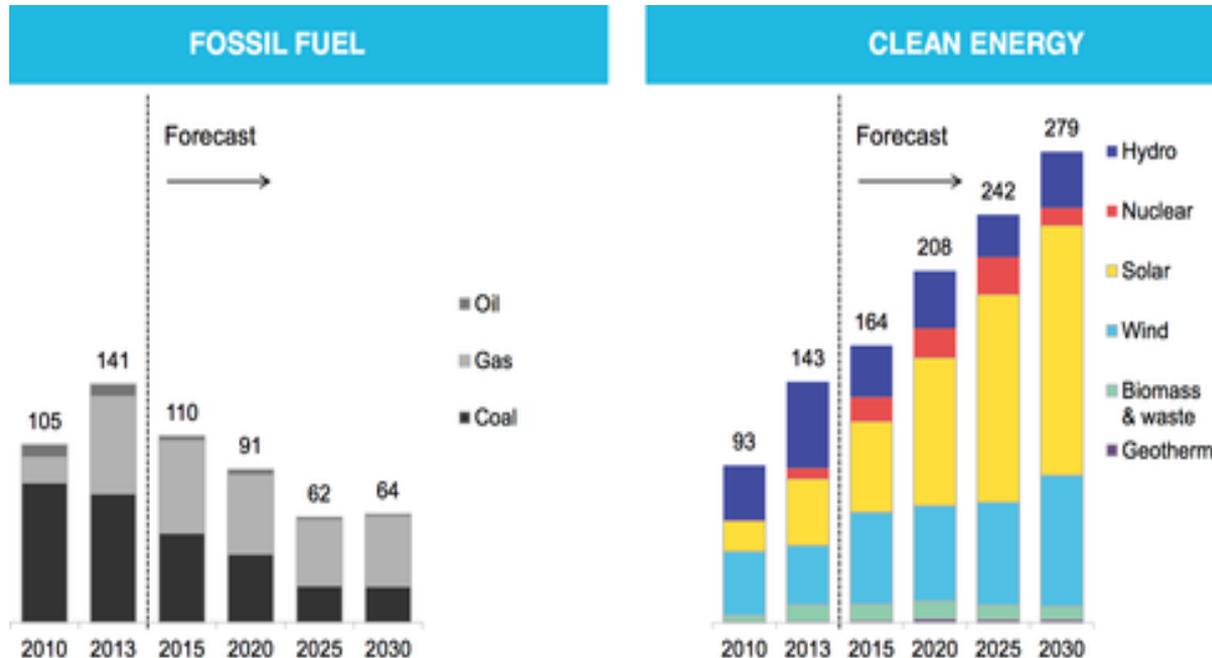


Opportunities and benefits for a massive renewable deployment in Southern Med countries only with a **consistent import of energy to Europe for their bankability.**

Today RE electricity increasingly **cost competitive** or even cheaper, promote **socio-economic local growth**, can be **planned and built in a short period of time**, contribute to **energy security.**

Fossil fuels just lost the race against renewables

Power generation additions (GW)

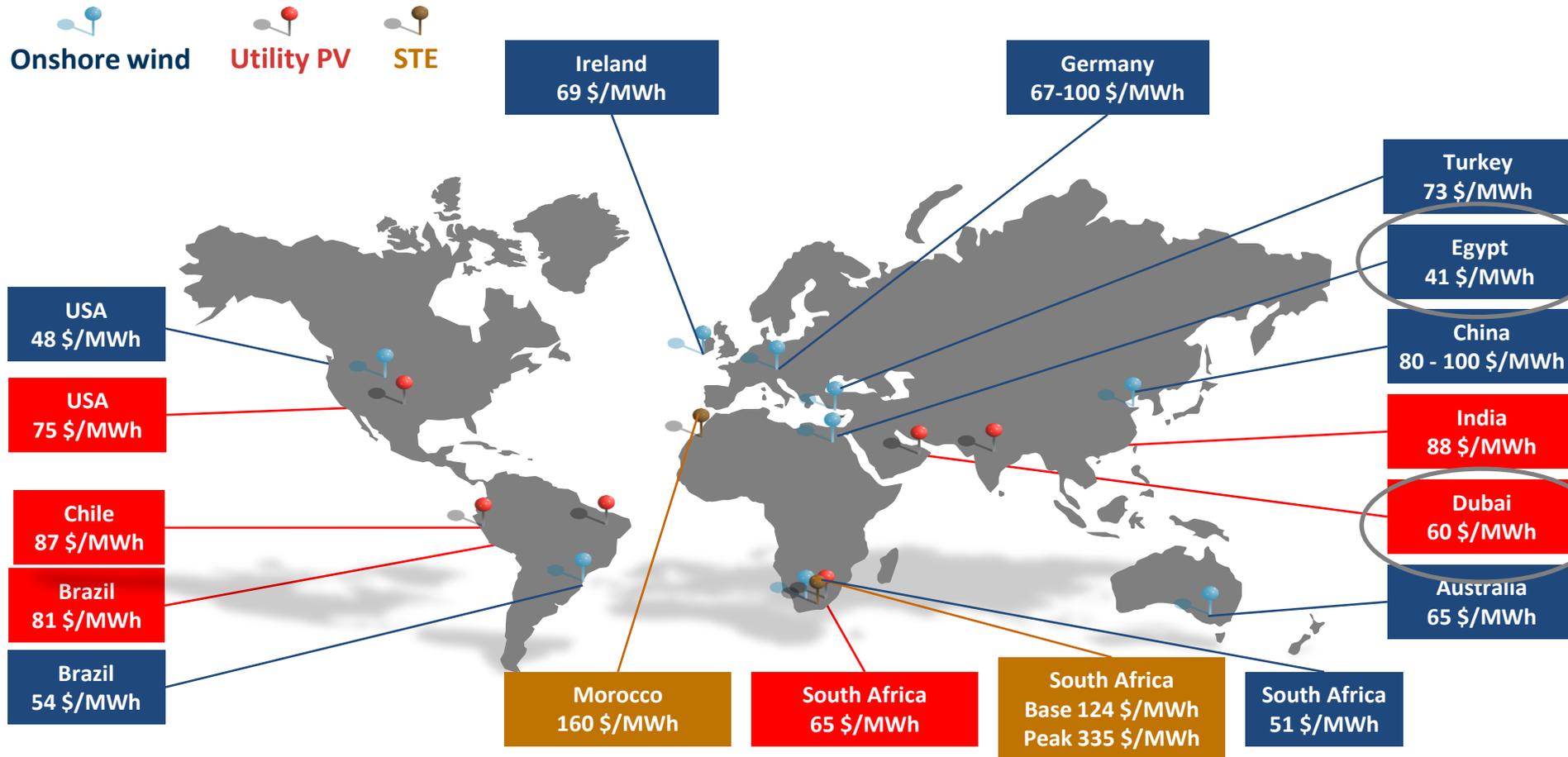


- The world is now **adding more capacity for renewable power each year** than coal, natural gas, and oil combined. And there's no going back.
- The shift occurred in **2013**, when the world added **143 GW of renewable electricity capacity**, compared with **141 GW** in new plants that burn fossil fuels.
- The shift will continue to accelerate, and **by 2030 more than four times as much RE capacity** will be added.

The question is no longer "if" the world will transition to cleaner energy, but just "how long" it will take

Progress in RE generation costs

Recent long-term remuneration contract prices (e.g. auctions & FITs)



- Combination of technology cost reduction, better resources, appropriate regulatory framework attracting financing
- Long-term PPAs and price competition effective drivers for reducing costs

The Mediterranean energy context has changed

The **two shores of the Mediterranean Sea** respond to **different challenges**

Stable Power System

Overcapacity

RES integration

North

Economic downturn and energy efficiency measures **slowed power demand increase**

Required a new market design due to:

- Sluggish demand growth
- Limited investment needed in new additional capacity
- Decommissioning inflexible surplus capacity

Dynamic power systems

GDP growth

Increasing energy demand
(5-9%)

South

SEMCs in a phase of transition; **rapid rising electricity demand requires fast solutions**

Key Elements

- Strong energy demand growth
- Population boom
- **Large general investment needed**
- **Jobs and industrialization**

RES4MED

A leading platform for public-private dialogue in the Mediterranean energy context

Renewable Energy Solutions for the Mediterranean - RES4MED - is a **network of utilities, industries, agencies, technical service providers and academia** engaged in **promoting clean tech solutions** in the Southern & Eastern Mediterranean Countries (SEMCs).

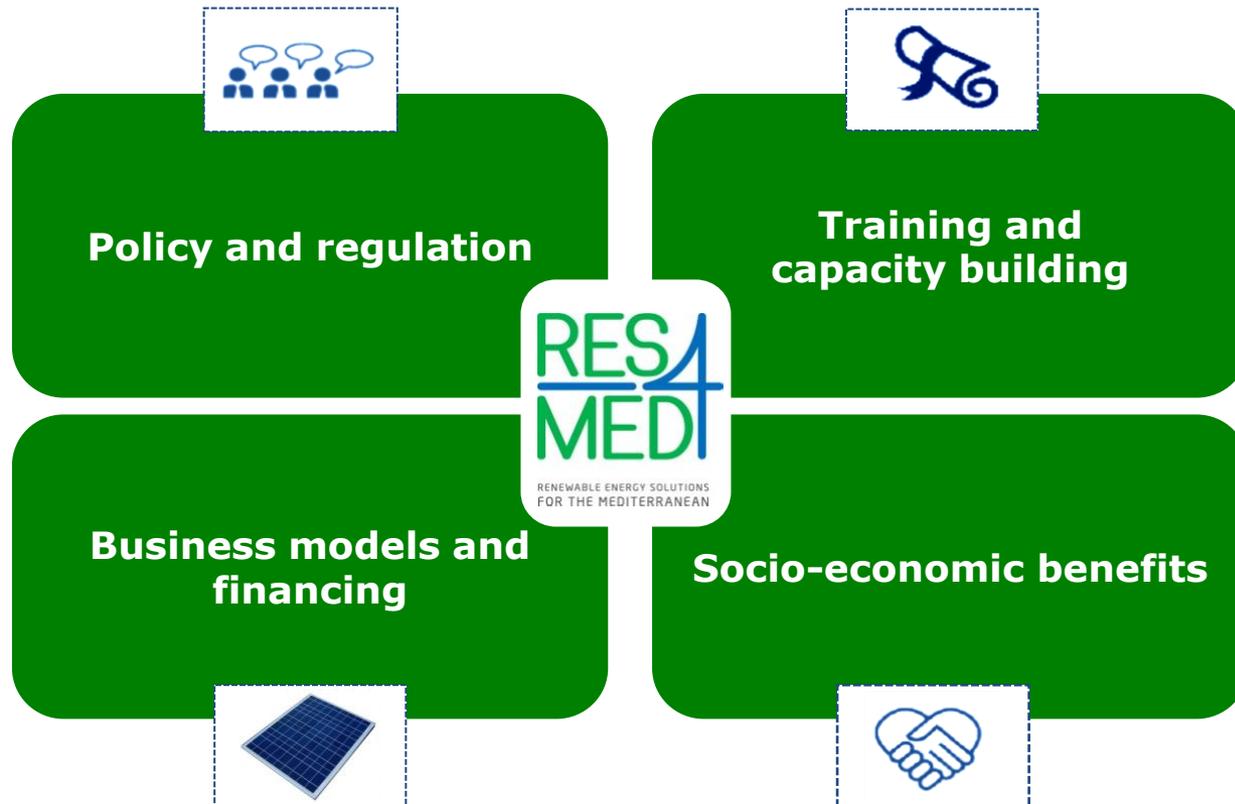
Their **mission** is to support the deployment of **renewable energy, both large scale and distributed energy, energy efficiency solutions and their integration** in the local and regional markets to satisfy local energy needs.

Since 2012, **RES4MED** has been active as an **additional reference platform** for Mediterranean stakeholders to foster the **cooperation between public and private sector**, and to provide decision makers with the integrated viewpoint of the latter.

RES4MED contributes to build Mediterranean sustainable energy partnerships with a **“bottom up” approach** able to propose solutions customized to local contexts

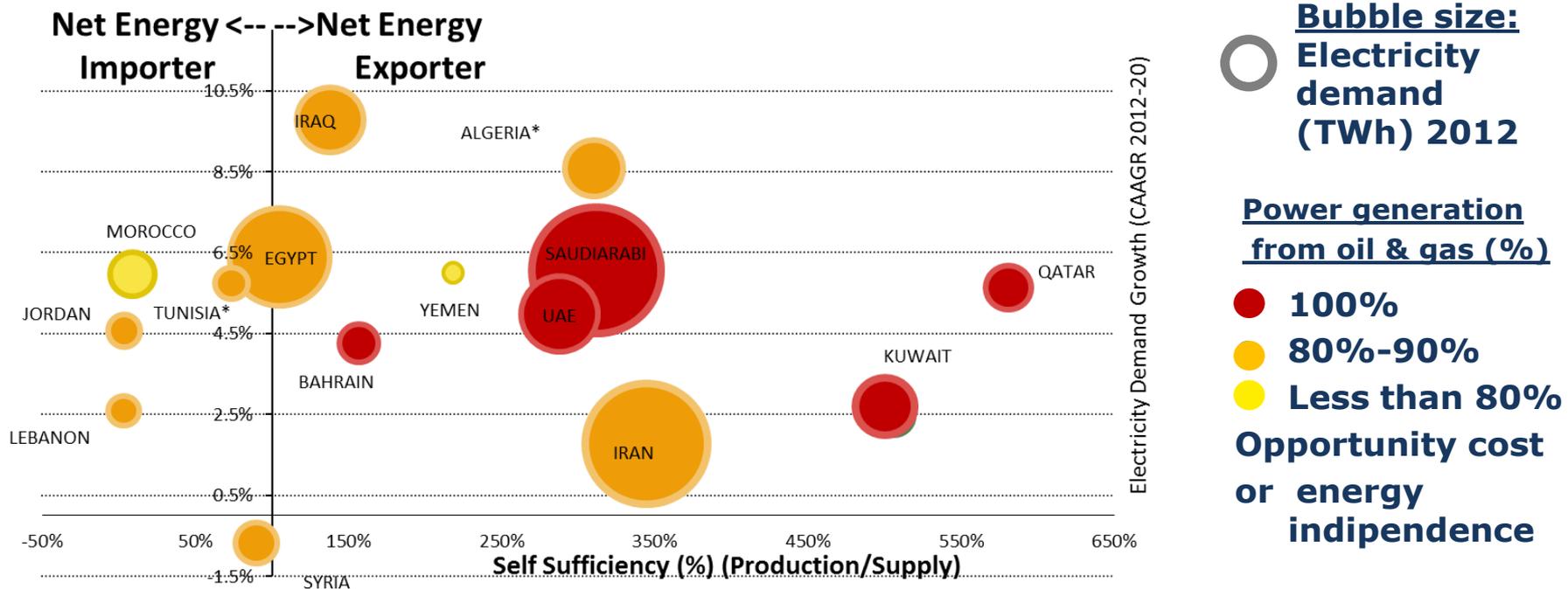
RES4MED activities

RES4MED shares its expertise in the following focus areas



MENA profiles yield different drivers

- Drivers depend on **expected demand growth, self sufficiency in meeting total energy demand, reliance on fossil fuels**
- **Energy security** very strong driver for RE in importing countries



Egypt is in transition from being a net energy exporter to net energy importer, and demand is large and set to grow

Why an international conference like today

- Egypt is undergoing a phase of political and social transition and its rapidly increasing electricity demand requires ***new power capacity built in time.***
- The priority is to ***attract investments, fostering Public-Private Partnerships*** to involve institutions, agencies, energy companies, investors, financial institutions and manufacturers.
- ***New skills, capacity development and education*** will play a pivotal role to foster suitable implementation of renewable energy projects.

*We hosted a **similar conference in Rome** on the 20th April, focus on the Egyptian dynamic RE market*

We want to learn what is new and what will happen in the near future!



Have a great day!

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