

IRENA's governance structure and impact activities

January 12th, 2017



MANDATE

To promote the widespread adoption and sustainable use of **all forms of renewable energy** worldwide

OBJECTIVE

To serve as a **network hub**, an **advisory resource** and an **authoritative, unified, global voice** for renewable energy

SCOPE

All renewable energy sources produced in a **sustainable manner**



BIOENERGY



GEOTHERMAL
ENERGY



HYDROPOWER



OCEAN
ENERGY



SOLAR
ENERGY



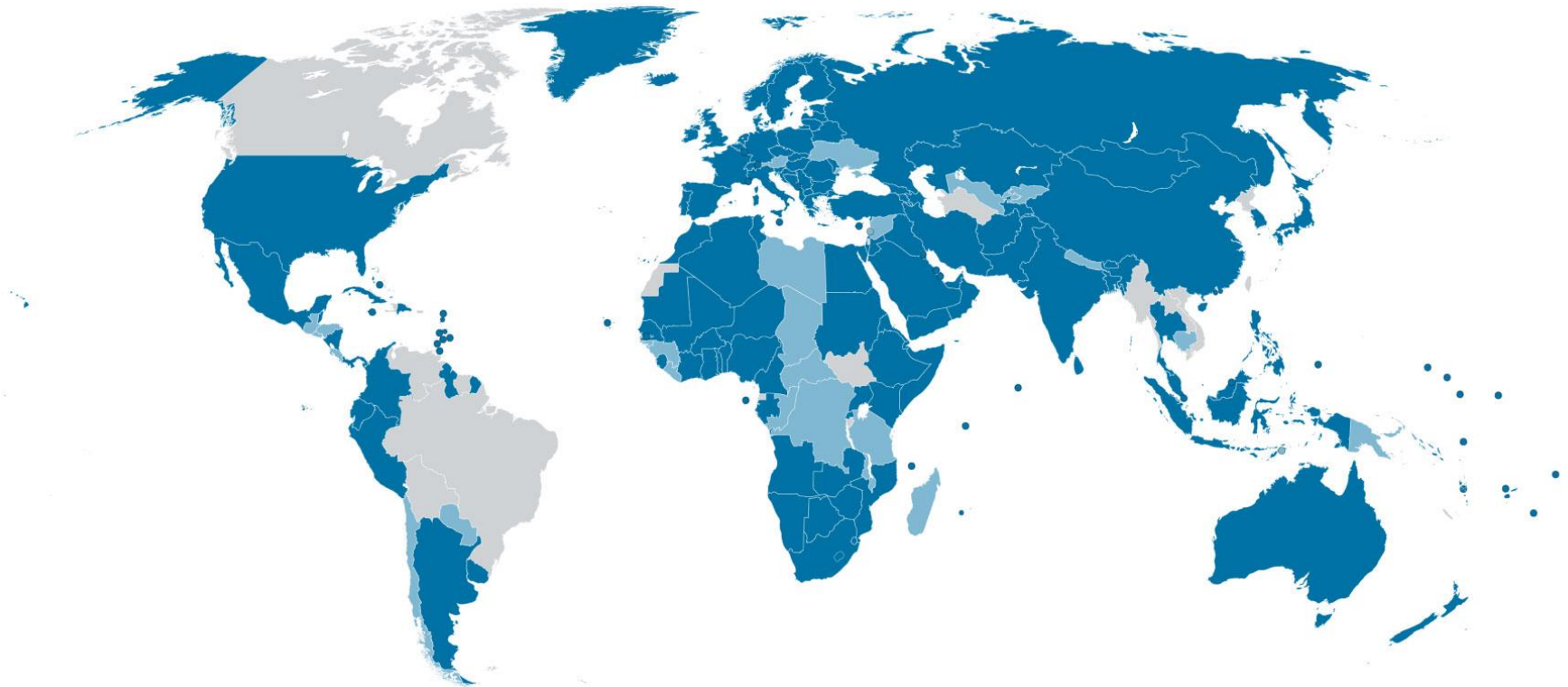
WIND
ENERGY

KEY FACTS

- » Established in 2011
- » First global intergovernmental organisation headquartered in Middle East
- » Headquarters in Masdar City, Abu Dhabi, UAE
- » IRENA Innovation and Technology Centre – Bonn, Germany
- » Permanent Observer to the United Nations – New York



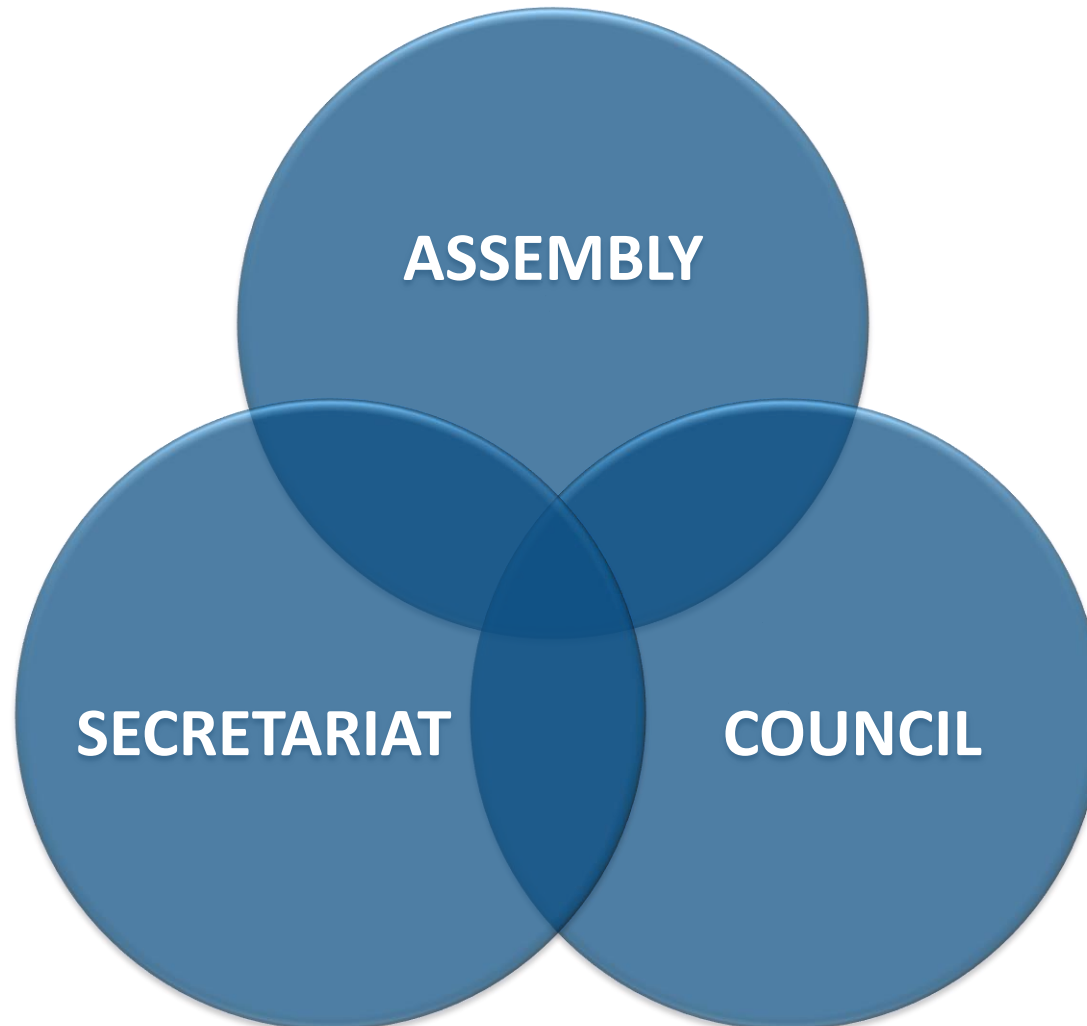
MEMBERSHIP



 **150 Members**

 **27 States in Accession**

PRINCIPAL ORGANS



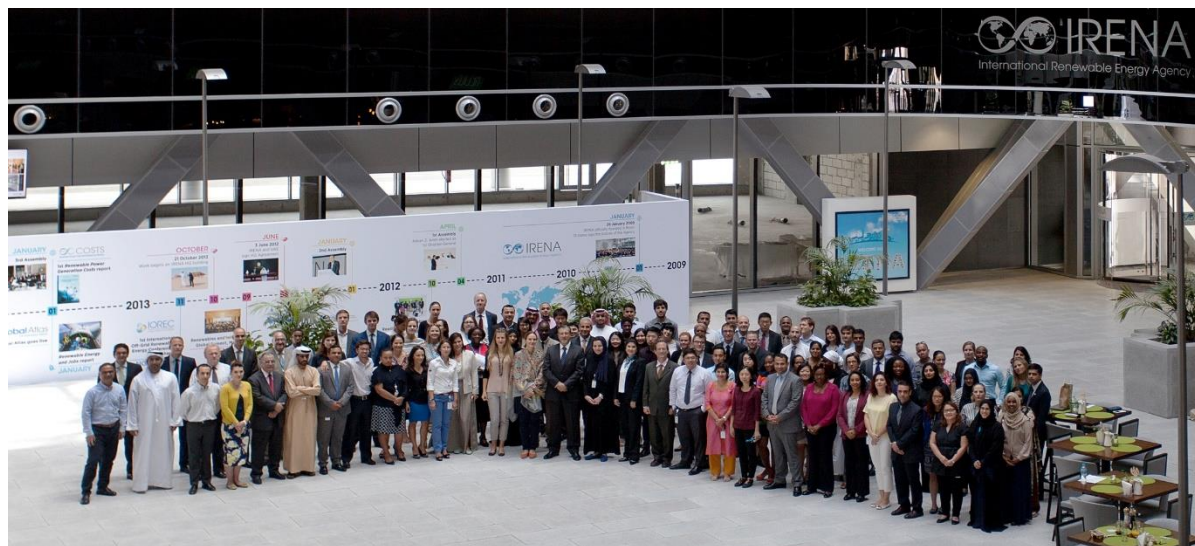
- » Agency's supreme **decision-making body** that convenes once yearly
- » Includes a delegation from **each IRENA Member**
- » Discusses and approves **Work Programme and Budget**
- » Guides **programmatic and strategic direction**
- » Provides global **convening platform** on renewable energy topics



- » Consists of **21 IRENA Members** elected by Assembly
- » Convenes **twice yearly**
- » Facilitates **consultations and cooperation** among Members
- » Considers **programmatic, strategic and institutional matters**, including draft Work Programme and Budget
- » Assists in decision-making with **recommendations** to Assembly



- » Consists of **Director-General** (Adnan Z. Amin) and staff
- » Prepares **Work Programme** within framework of IRENA's mandate
- » Implements programmes and provides **progress reports** to Membership
- » Communicates with **Members and other stakeholders**
- » Facilitates **communication among Members**
- » Establishes **cooperation** and creates **synergies** to deliver on IRENA's mandate



» **COUNTRY SUPPORT AND PARTNERSHIPS**

- Assists countries and regions in accelerating their transition to renewable energy

» **INNOVATION AND TECHNOLOGY**

- Provides cutting-edge data and analysis, highlighting new pathways for the global transition to a sustainable energy future.

» **KNOWLEDGE, POLICY AND FINANCE**

- Maintains a growing knowledge repository and serves as a centre of excellence for renewable energy policy and finance.

» **ADMINISTRATION AND MANAGEMENT**

- Maintains IRENA's information-technology backbone, enabling efficient workflow between the global headquarters, other offices and remote locations.
- Provides essential infrastructure, building management, maintenance and logistical support.

» **STRATEGIC MANAGEMENT AND EXECUTIVE DIRECTION**

- Coordinates and integrates all aspects of IRENA's work to promote renewable energy worldwide.
- Spans communications, governance, legal affairs, membership services and publications.

How big is this?

\$285 Bn invested per year

2015

8.1 million people

2,000,000 MW globally

>50% new global capacity is renewable

\$770 Bn invested per year

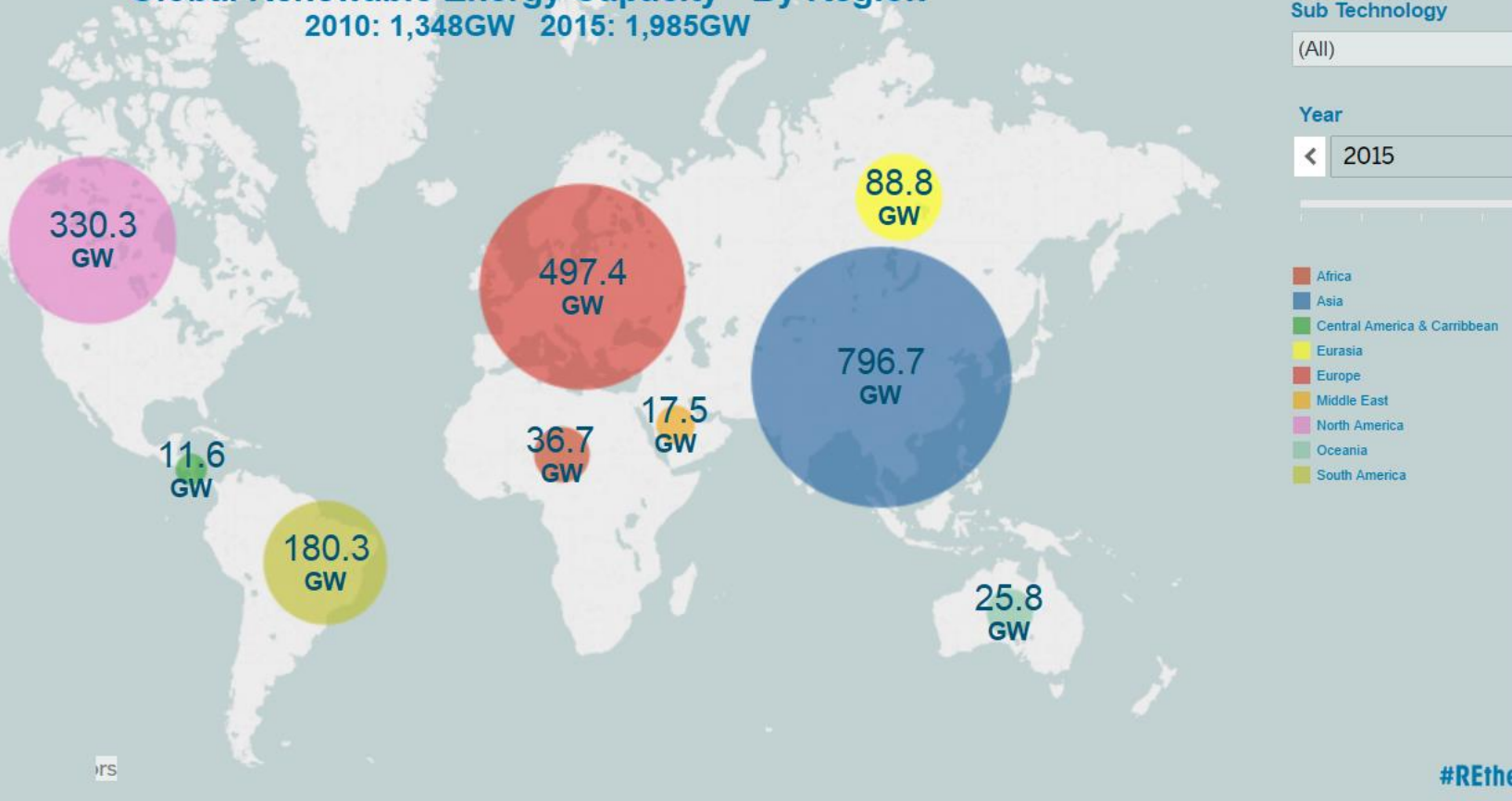
2030

24 million people

1.1% or \$1.3 Tn global GDP increase

Where is the market?

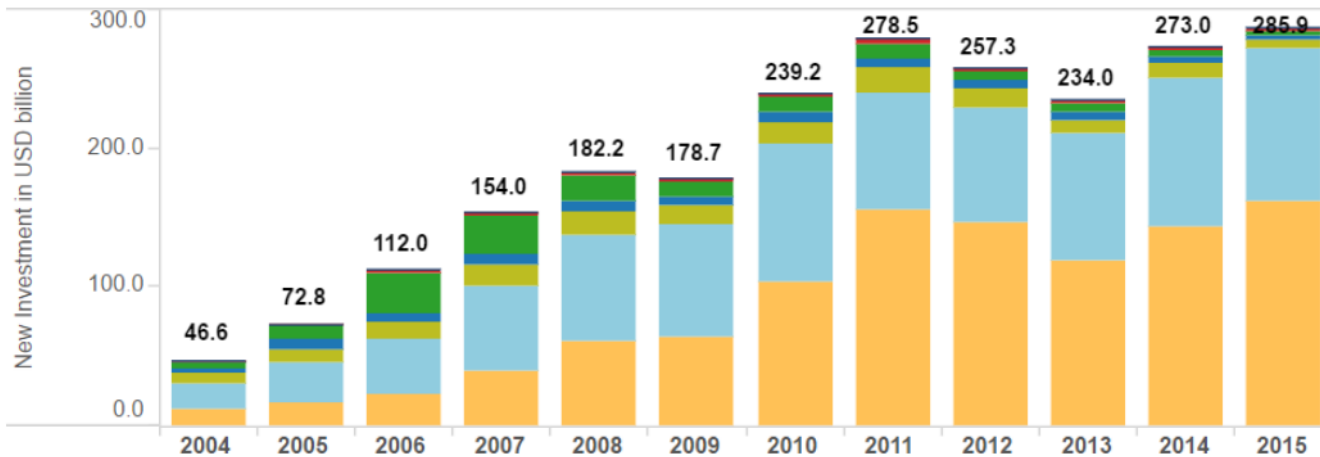
Global Renewable Energy Capacity - By Region
2010: 1,348GW 2015: 1,985GW



Global Trends in Renewable Energy Investment 2016

By Sector

▲6%
 ▲4%
 ▲7%
 ▲8%
 ▼2%
 ▲4%
 ▲6%
 ▼8%
 ▼9%
 ▲7%
 ▲5%



Category

By Sector

Detail

(All)

Methodology

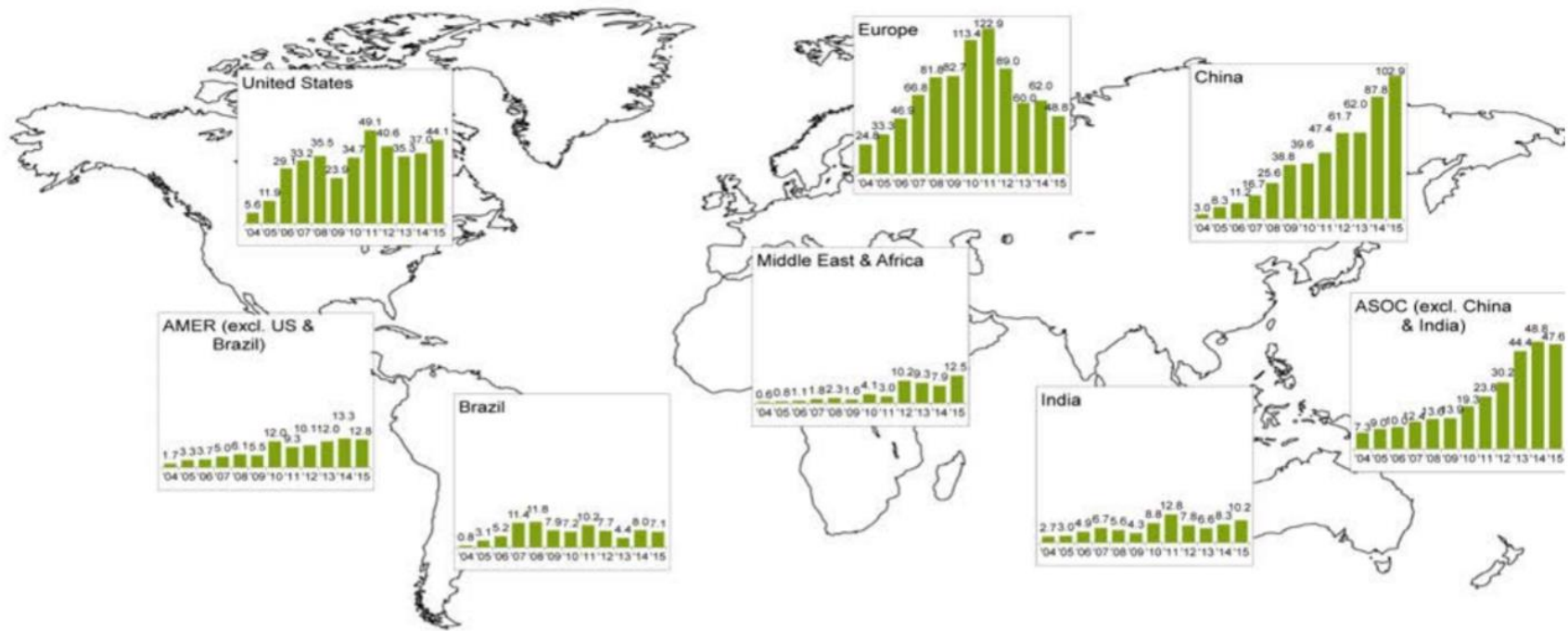
- Marine Energy
- Geothermal Energy
- Liquid Biofuels
- Small Hydropower
- Biomass & Waste-to-Energy
- Wind Energy
- Solar Energy

Source: Frankfurt School-UNEP Centre/Bloomberg New Energy Finance (2016), *Global Trends in Renewable Energy Investment*.

Note: Investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Where is the market?

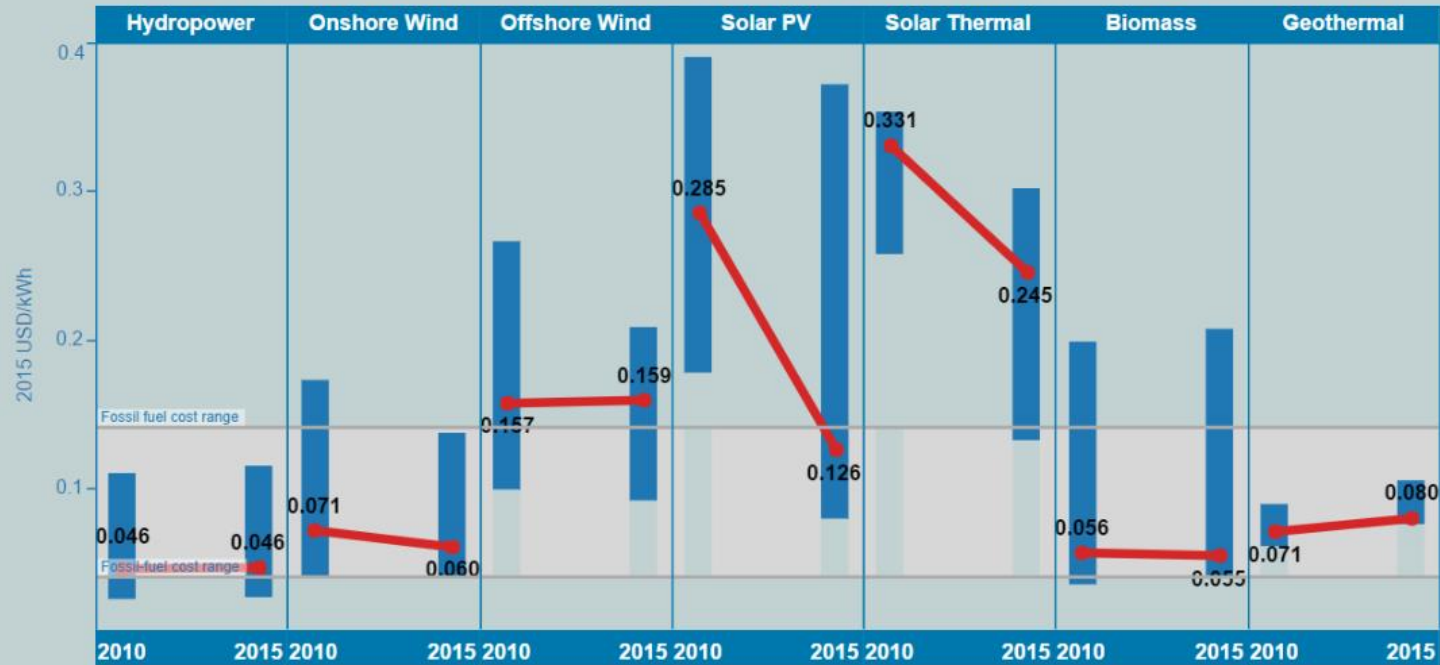
FIGURE 12. GLOBAL NEW INVESTMENT IN RENEWABLE ENERGY BY REGION, 2004-2015, \$BN



New investment volume adjusts for re-invested equity. Total values include estimates for undisclosed deals.

Source: UNEP, Bloomberg New Energy Finance

Renewable Power Generation Costs
Trends in Global RE Levelised Cost of Electricity 2010-2015 (ranges and weighted averages)



#REthenandnow

Our environment



SUSTAINABLE DEVELOPMENT GOALS



7 AFFORDABLE AND CLEAN ENERGY

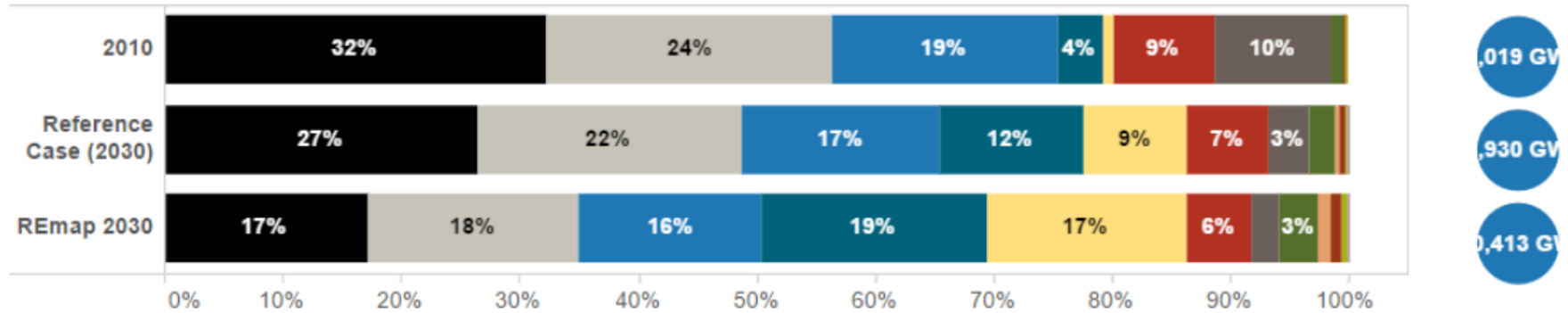


Ensure access to affordable, reliable, sustainable and modern energy for all

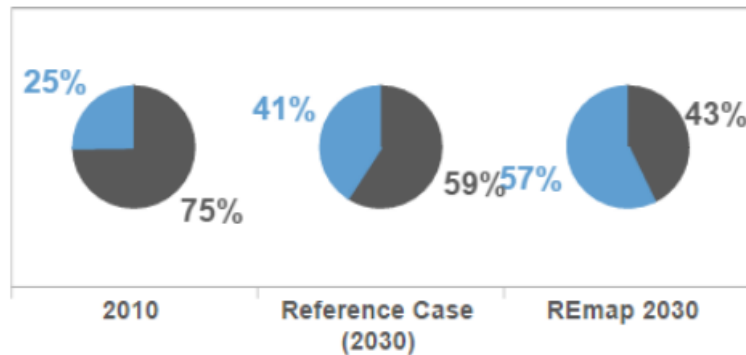


Global goals

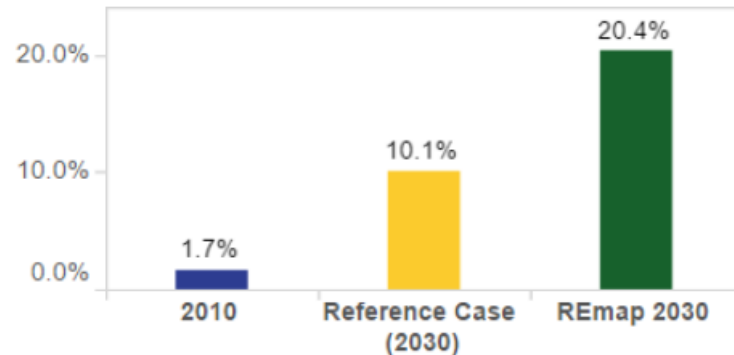
Electricity Capacity (Global)



Share of Renewable Energy Electricity Capacity (Global)



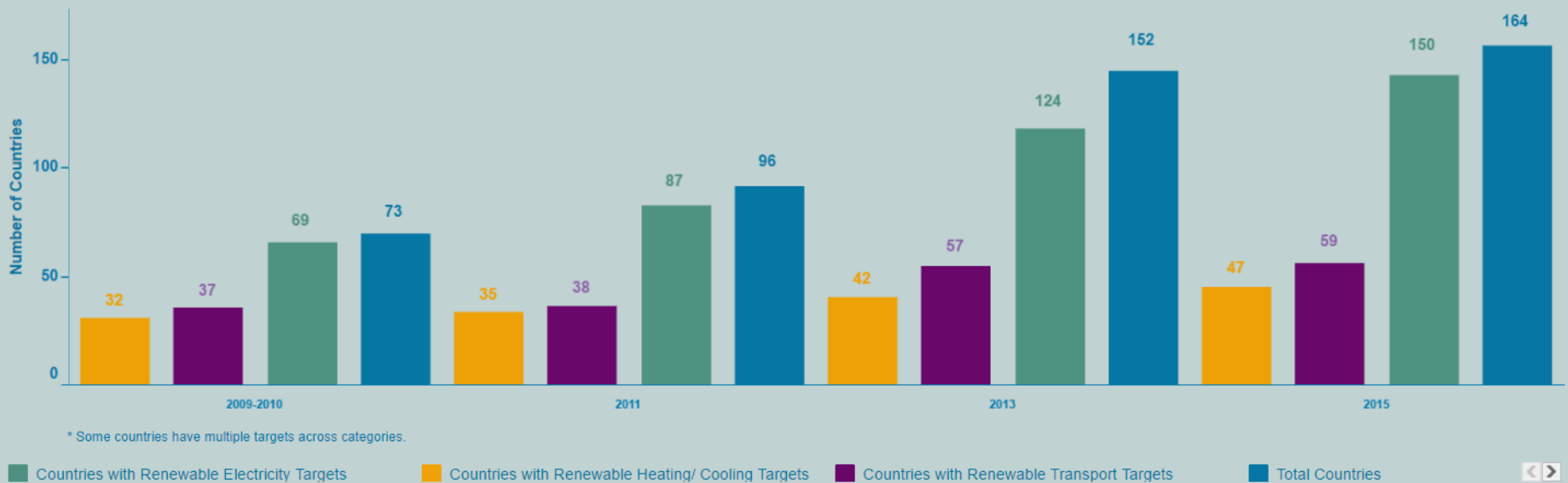
Solar PV & Wind Energy Share Share in Generation (Global)



■ Non Renewables ■ Renewables

■ 2010
■ Reference Case (2030)
■ REmap 2030

Countries with National Renewable Energy Targets
as of 2010: 73 2015: 164



#REthenandnow

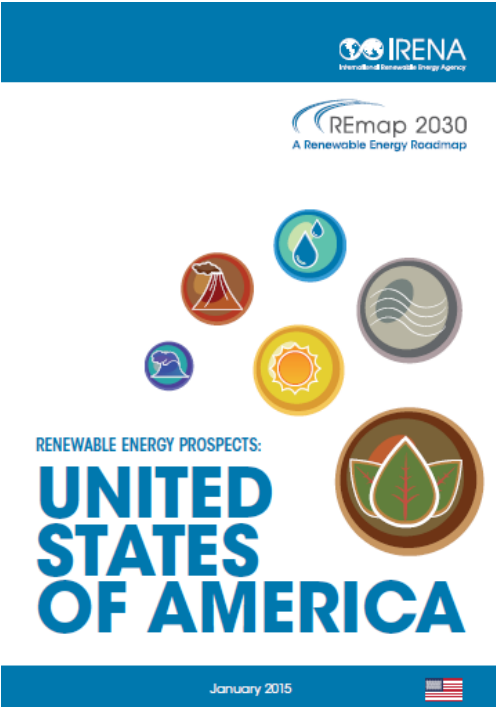
Key aspects:

- **Energy planning – scenarios, costs**
- **Socio economic**
- **Policy**
- **Financial**
- **Technology**
- **Human**

Alignment



Energy planning




IRENA
International Renewable Energy Agency

REmap 2030
A Renewable Energy Roadmap

RENEWABLE ENERGY PROSPECTS:
UNITED STATES OF AMERICA

January 2015



REmap
A Renewable Energy Roadmap

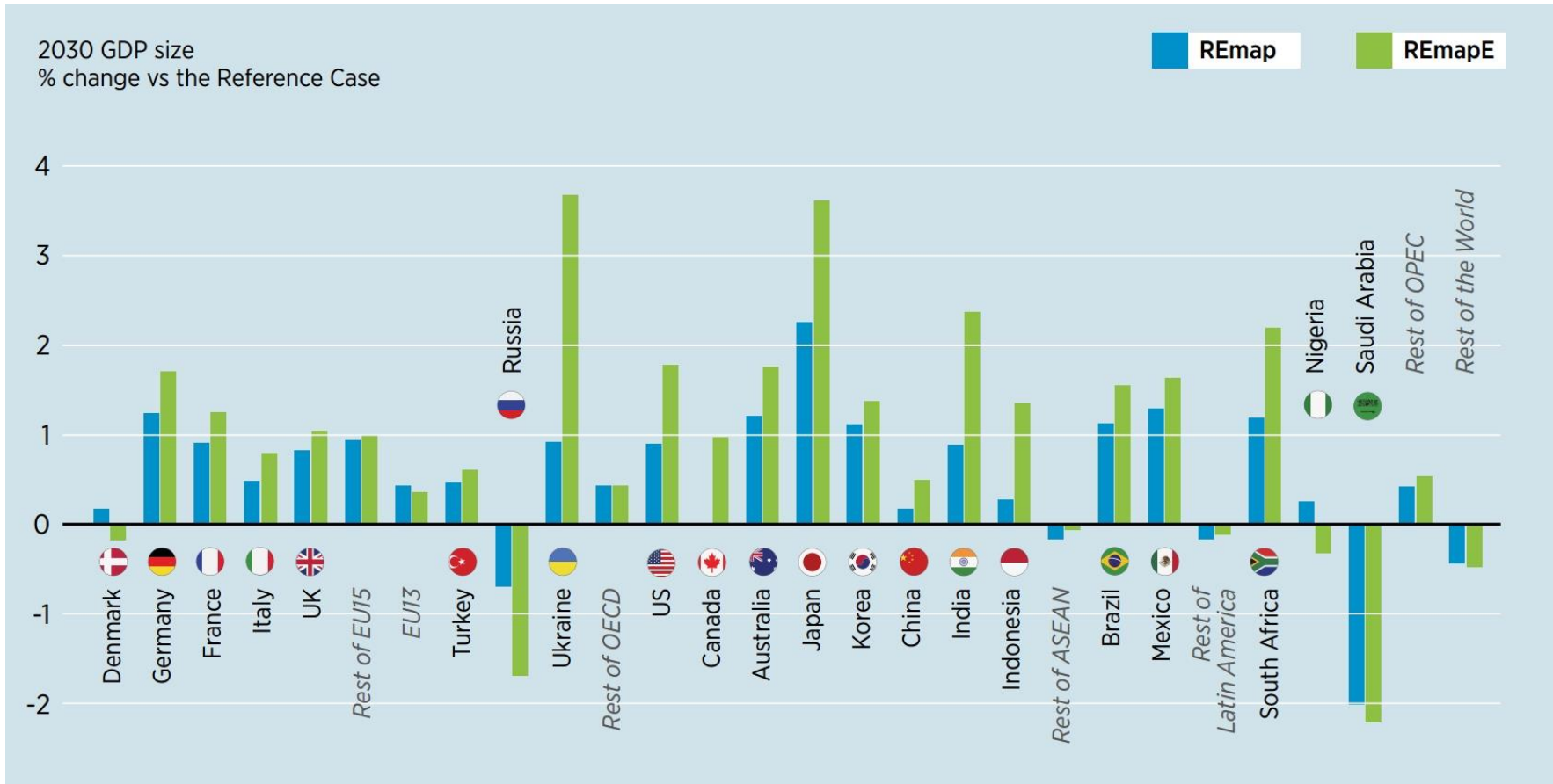
IRENA
International Renewable Energy Agency

ROADMAP FOR
A RENEWABLE
ENERGY FUTURE



IRENA COSTS
Renewable Energy Costs, Technologies and Markets

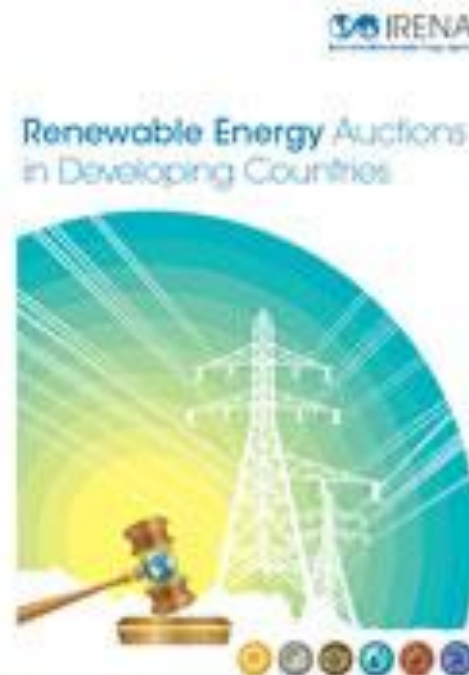
Socio-economic impacts



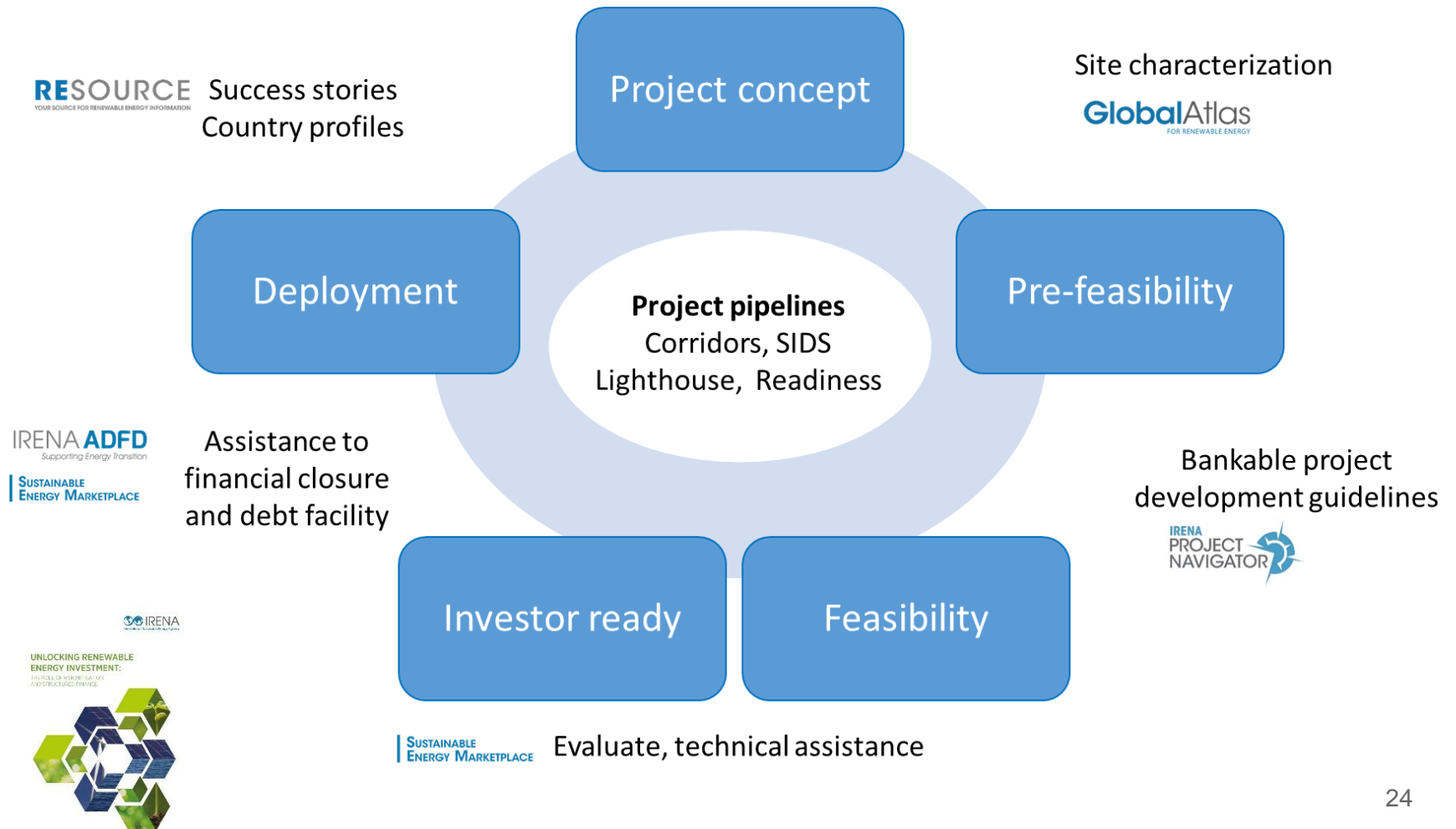


RENEWABLE ENERGY MARKET ANALYSIS

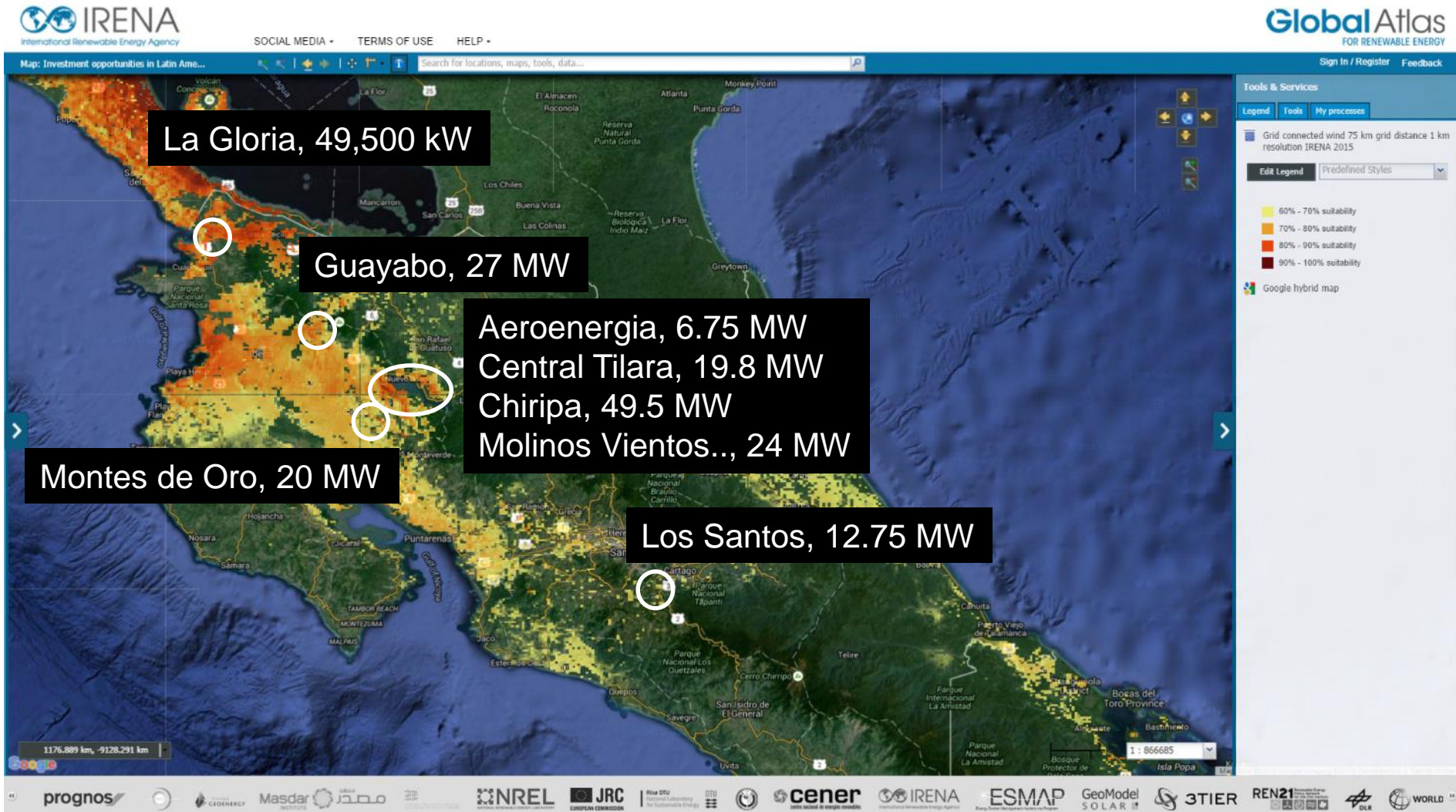
THE GCC REGION



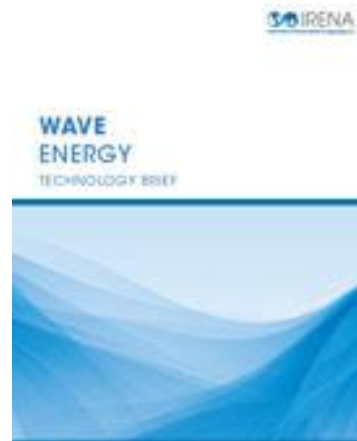
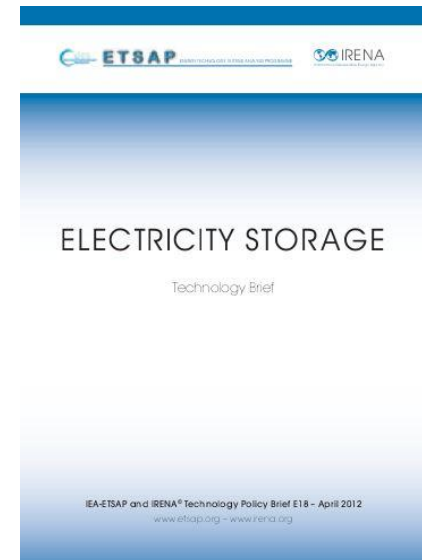
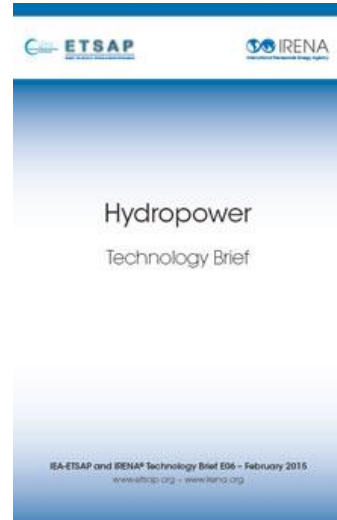
IRENA Project support



Result-oriented output

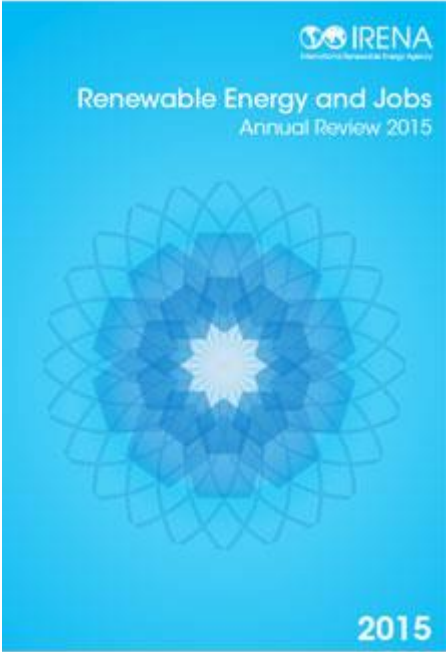
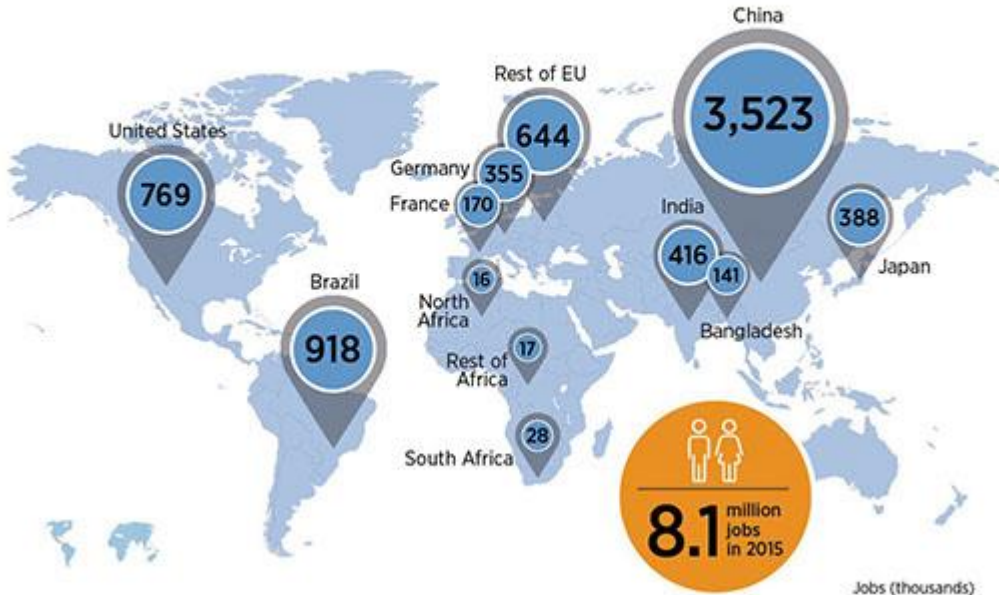


Technology trends



Human capacity

RENEWABLE ENERGY EMPLOYMENT IN SELECTED COUNTRIES AND REGIONS



Thank you for your attention!

www.irena.org/resource