



## MANDATE

Promote the widespread adoption of **all forms of renewable energy** worldwide

## OBJECTIVE

Serve as **network hub, advisory resource** and **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



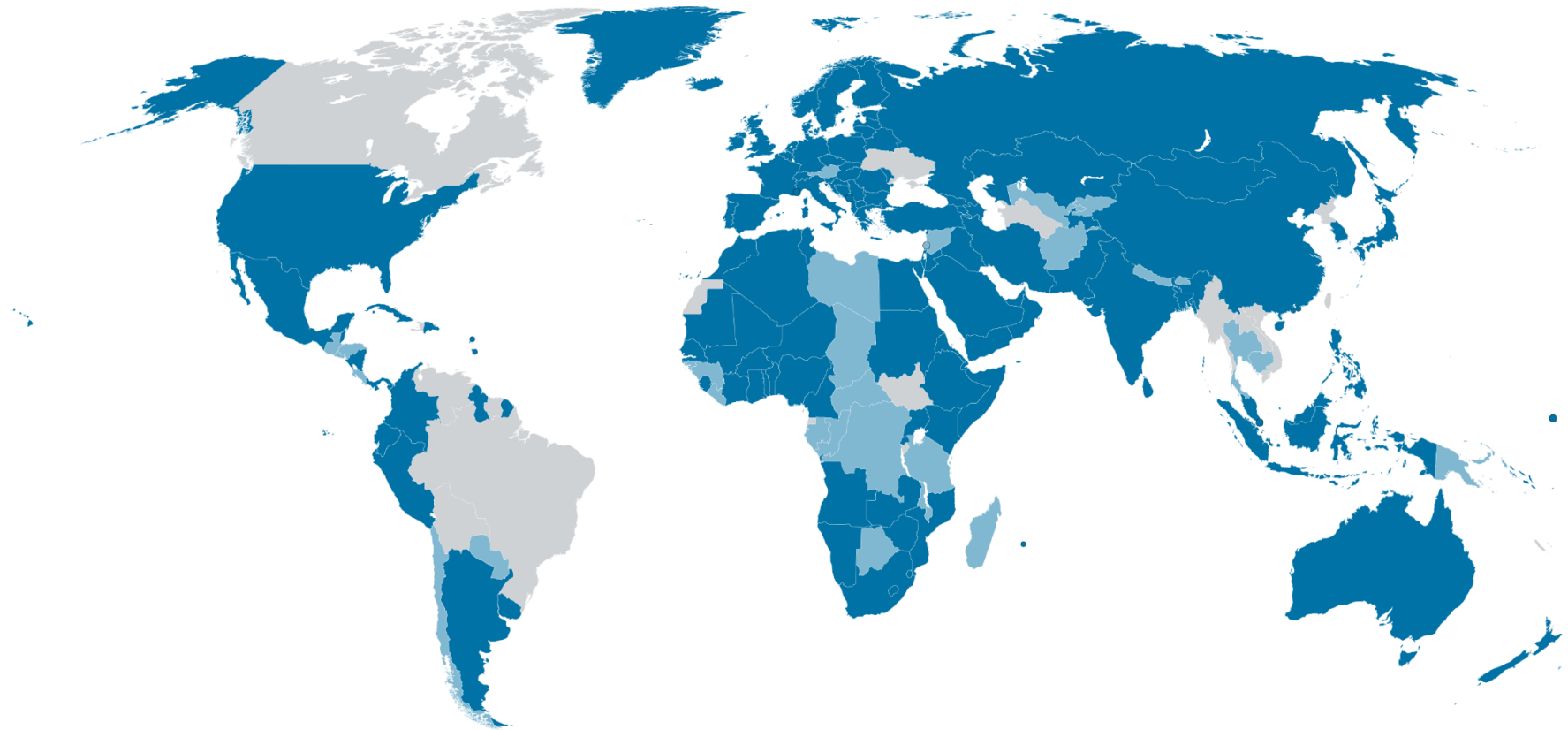
WIND  
ENERGY

# KEY FACTS

- » Established in 2011
- » Headquarters in Masdar City, Abu Dhabi, UAE
- » IRENA Innovation and Technology Centre – Bonn, Germany
- » Permanent Observer to the United Nations – New York
- » Director-General, Adnan Z. Amin and 160 staff



# MEMBERSHIP



 **145 Members**

 **31 States in Accession**

## REthinking Energy

### IRENA'S FLAGSHIP REPORT

Second edition (2015) examines the key role of renewables to meet climate goals



### GLOBAL ROADMAP

Economically feasible options to double renewables in the global energy mix by 2030



### ANALYSIS & TRENDS

Database of thousands of projects indicating cost trends



### DATA & INFORMATION PORTAL

Accurate, up-to-date industry insights and numbers



### RESOURCE ASSESSMENT MAPPING

Locating and highlighting renewable energy potential

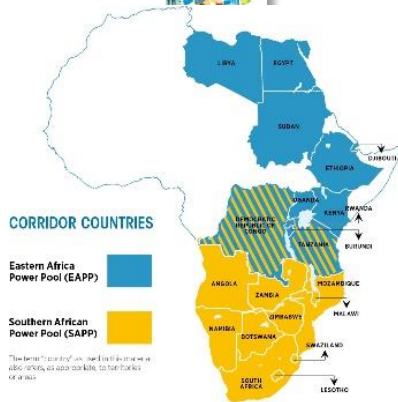


## RENEWABLES READINESS ASSESSMENTS

Collaborative consultation process informs and shapes national renewable energy plans

## AFRICA CLEAN ENERGY CORRIDOR

Promotes cross-border interconnections and trade to create economies of scale and support the scale-up of renewable power



## SMALL ISLAND DEVELOPING STATES

Enables SIDS to accelerate their renewable energy development, harness their wealth of domestic resources and demonstrate leadership in climate change mitigation



# PROJECT FACILITATION



## SUSTAINABLE ENERGY MARKETPLACE

Supports initiation, development and financing of renewable energy projects



## PROJECT NAVIGATOR

Tools and templates to develop bankable renewable energy project proposals



## FUNDING FOR PROJECTS

Supports innovative, replicable renewable energy projects in developing countries through concessional loans from the Abu Dhabi Fund for Development (ADFD)

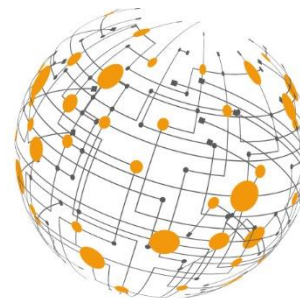


- » Loan financing via **IRENA-ADFD Project Facility** includes, to date:
  - » 10-15 MW geothermal (St. Vincent & the Grenadines)
  - » Mount Sabalan 5 MW geothermal (Iran)
- » Freely available **gravity anomaly maps** from the European Space Agency (ESA), hosted on IRENA's *Global Atlas*, help gauge geothermal potential worldwide.
- » Forthcoming **country-support products** include:
  - » Needs assessment methodology
  - » Geothermal status in the Andean countries
  - » Policy and regulation case studies

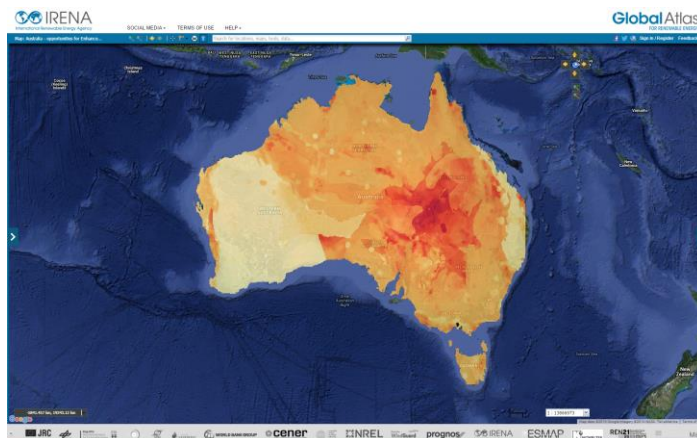
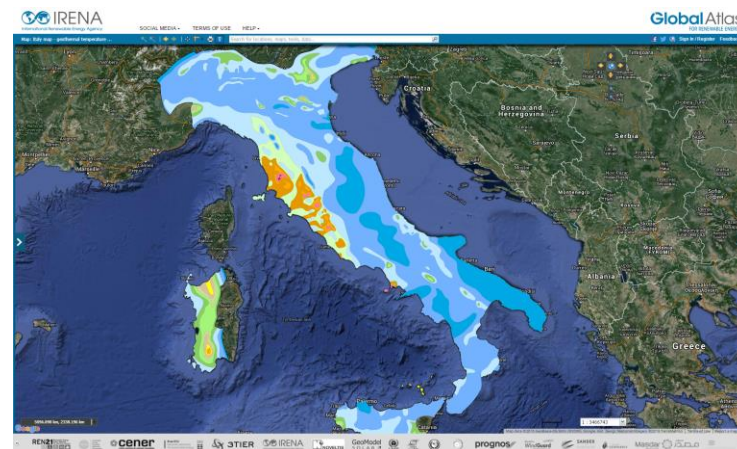
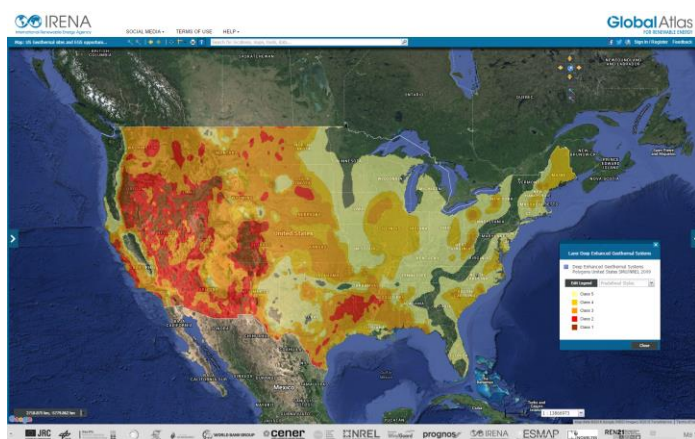


- » Regional **geothermal capacity-building** initiatives:
  - » Financial, regulatory and technological workshops for the **Andes** (Bolivia, Chile, Colombia, Ecuador and Peru)
  - » Technical assistance and capacity building for the **Pacific** (under preparation)
  
- » Geothermal-specific **Project Navigator** application:
  - » Knowledge, tools, case studies and best practices for successful project completion (under preparation)

- » Brings together key stakeholders to increase geothermal in the world's energy mix
- » Support **power generation** and **direct heat** projects
- » Joined by **40 countries** and **26 implementation partners**, including 3 industry partners and 6 academic or research institutions
- » US government and US Geothermal Energy Association both involved
- » Areas of activity:
  - Customised technical assistance and advisory support
  - Capacity building
  - Outreach and awareness-raising
  - Platform for dialogue and cooperation



## AREAS WITH HIGH CRUSTAL TEMPERATURES AT DEPTH PROBABLE FOR E.G.S. DEPLOYMENT



Temperature distribution at depths of 3 – 10 km



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