



Renewable Energy Project Facilitation

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MANDATE

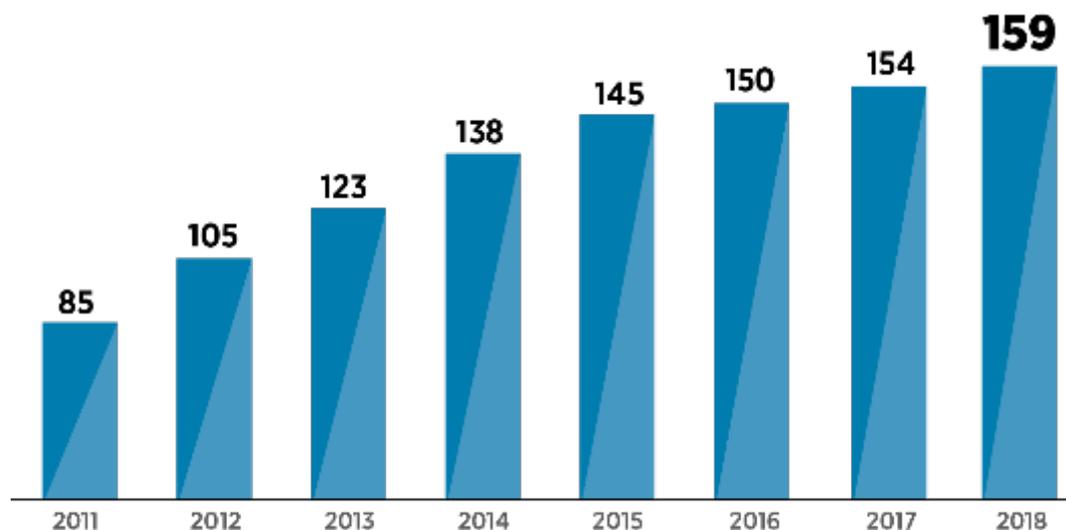
To promote the widespread adoption and sustainable use of **all forms of renewable energy** worldwide.

OBJECTIVE

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

SCOPE

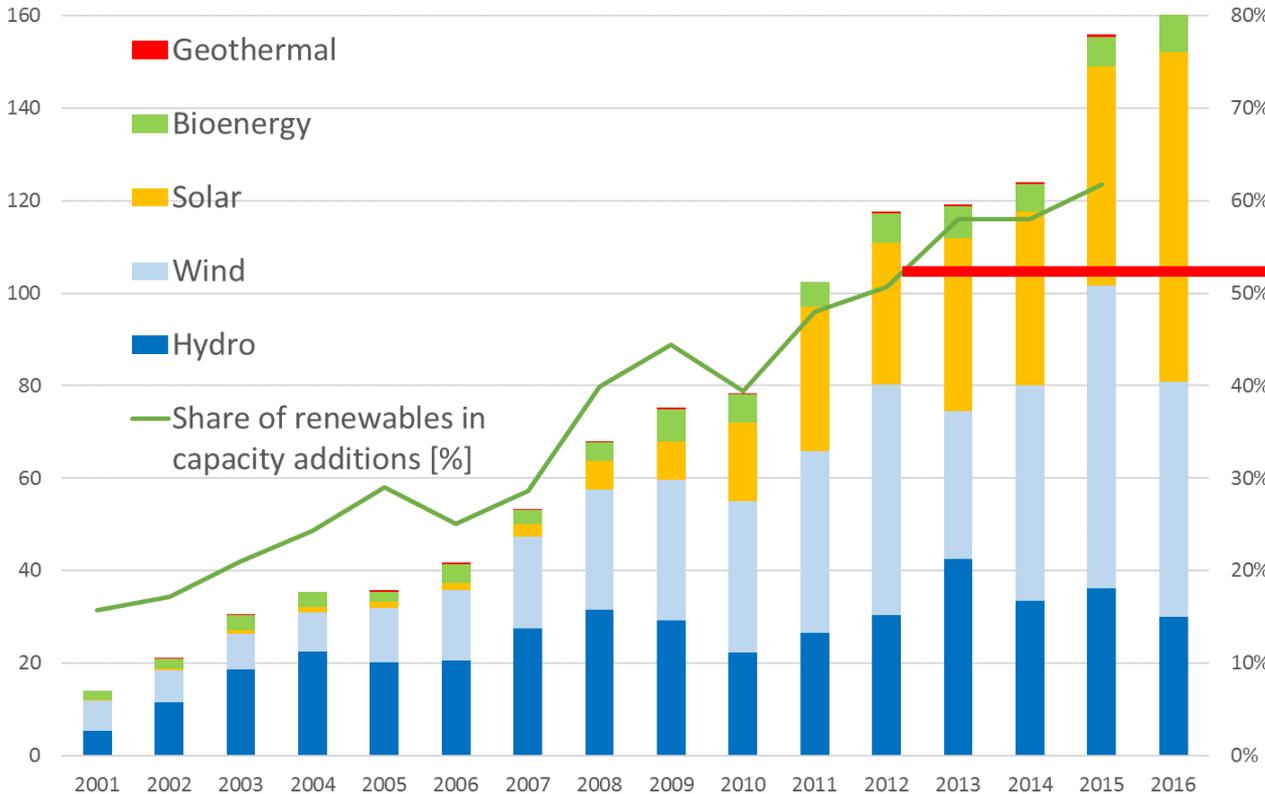
All renewable energy sources produced in a **sustainable manner**.



**as of 31 December of respective year*

On-going power sector transformation

Capacity additions (GW)



Since 2012 >50% of total capacity additions

2016

2006 GW RE power generation capacity in place

Annual RE capacity addition 161 GW (+8%/yr) of which:

- 71 GW solar
- 51 GW wind
- 30 GW hydropower
- 9 GW biomass

Source: IRENA statistics

- Around **25%** renewable power generation share worldwide
- Growing by **0.7 percentage** per year

RE project development challenge



- Most countries know they have RE potentials. However, they lack the projects to achieve the desired deployment.



- Conditions inherent to certain countries/regions translate into high costs and financial risks.

- Stakeholders involved in a project often lack the know-how to complete a bankable project proposal.

- This leads to higher project development costs and risks.



- Fund securement process and financing options themselves aren't transparent.

➔ **IRENA aims to strengthen the project development base, enhance the quality of proposals and increase their bankability, attracting better financing conditions.**

Tools & Platforms

RESOURCE
YOUR SOURCE FOR RENEWABLE ENERGY INFORMATION

Success stories
Country profiles

Global Atlas
FOR RENEWABLE ENERGY

Site characterisation

Deployment

Project pipelines
Corridors,
SIDS Lighthouse,
Readiness Assessment

Pre-feasibility

Assistance to financial closure and debt facility

Bankable project development guidelines

Investor-readiness

Feasibility

IRENA ADFD
Supporting Energy Transition

SUSTAINABLE ENERGY MARKETPLACE

IRENA PROJECT NAVIGATOR

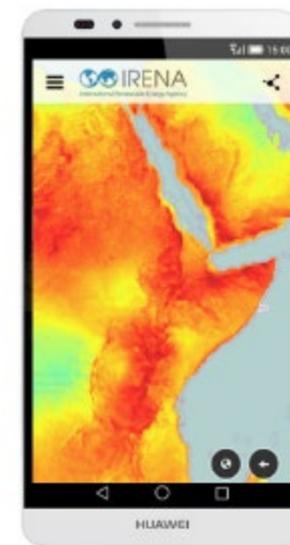
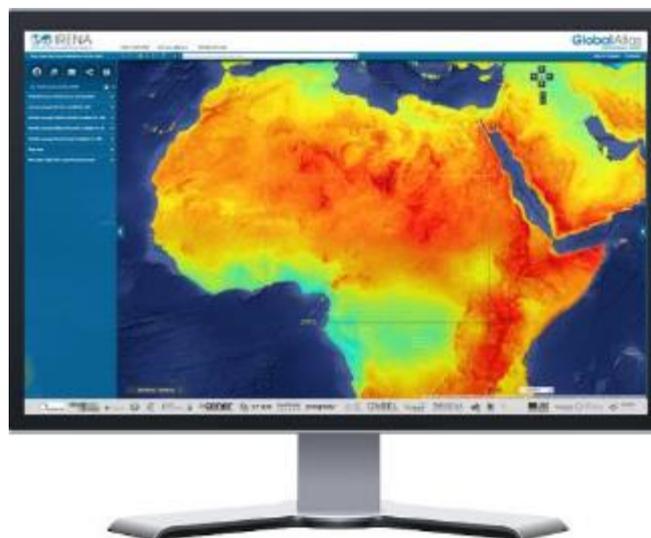


Evaluate, technical assistance
SUSTAINABLE ENERGY MARKETPLACE

Global Atlas

- » Largest initiative to **assess renewable energy potential** on a global scale
- » Creates high-resolution **resource maps**
- » Includes **solar, wind, geothermal, bioenergy and ocean** energy resources (expanding to encompass **all renewable energy resources**)

Global Atlas
FOR RENEWABLE ENERGY



IRENA Project Navigator

The challenge of RET projects

- » Failing to prove project bankability to funding institutions
- » Insufficient knowledge on project proposal development
 - » Higher project development costs
 - » Higher risk of project failure

Objectives

- » Increase the bankability of projects by:
 - » Strengthening the project development base
 - » Enhancing the quality of project proposals
 - » Reducing costs and mitigating risks through proper planning and efficient use of funds
 - » Facilitating effective implementation

Scope

- » All RETs
- » Different finance types: grants, loans, equity
- » Project sizes: from individual use to utility scale projects
- » Global: all geographical regions



Sustainable Energy Marketplace: a virtual Market Place for RE Projects

Objectives

- Increase visibility of RE and EE projects.
- Increase visibility of financing opportunities.
- Promote project initiation and development.
- Support building a pipeline of investor ready projects.
- Boost investments in renewable energy.
- Mobilise public and private finance.



SUSTAINABLE ENERGY
MARKETPLACE



Methodology

- Provide an integration platform for stakeholders in the market.
- Enhanced user interface and experience.
- Regional hubs for focused partnerships.
- Seamless linkage to IRENA tools and services.
- Advanced search functions.



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