The RE Project Development Challenge

IRENA
International Renewable Energy Agency

- 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, *e.g.* SIDS.
- 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 has taken the initiative to strengthen the project development base, enhance the quality of proposals and increase their bankability, attracting better financing conditions.**

What is the 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

The Project Navigator Platform

IRENA
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www.irena.org/navigator

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IRENA PROJECT NAVIGATOR

Home | Learning section | Start a project | Financial Navigator | My account | Sign out

Welcome to the IRENA Project Navigator!

- To learn more about the renewable energy project development process and to develop bankable project proposals, please enter the Project Navigator
- When looking for funding opportunities, browse the IRENA Financial Database using the Financial Navigator
- If you are a project developer, you can create a workspace online and track your project development progress.

Choose from the Quick Access tiles below!

News

13 May, 2015
"Introduction to the IRENA Project Navigator" Webinar

5-6 May, 2015
2nd Project Navigator Workshop, Ulaanbaatar, Mongolia

22 April, 2015
Project Navigator Launched

Learning section
Learn about project development

Start a project
Create a project workspace

Financial Navigator
Find funding opportunities

Learning Section

Project Development Guidelines

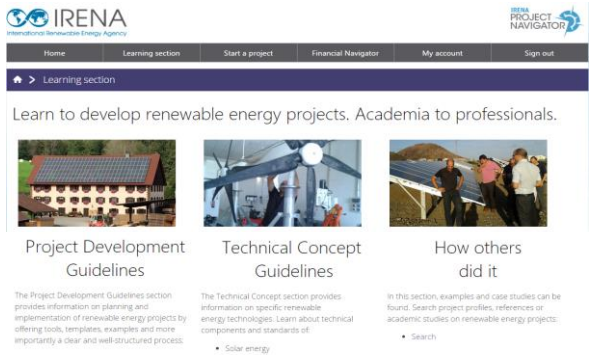
- Clear project development process
- Detailed definitions
- Tools
- Key Actions
- Control questions and deliverables
- Contract templates

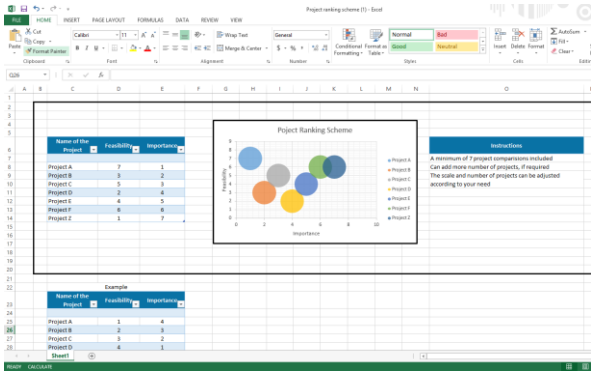
Technical Guidelines

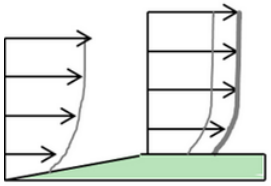
- Land and resource assessment
- Technology selection and sizing
- Logistical aspects
- Lessons learned from previous projects

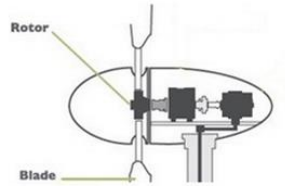
How others did it

- Find examples
- Case studies
- Templates





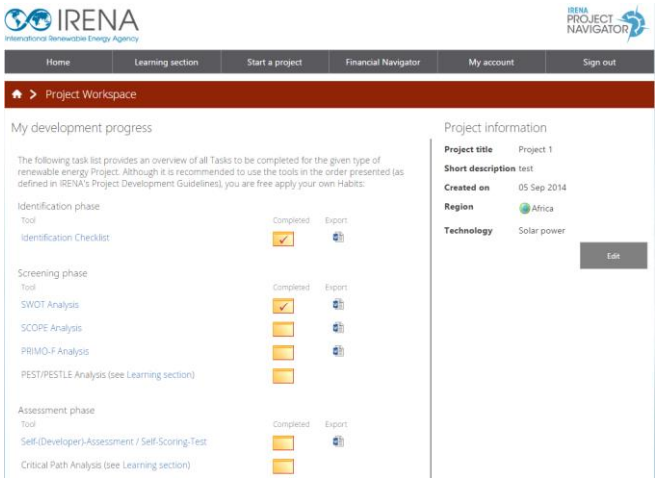




Start a Project

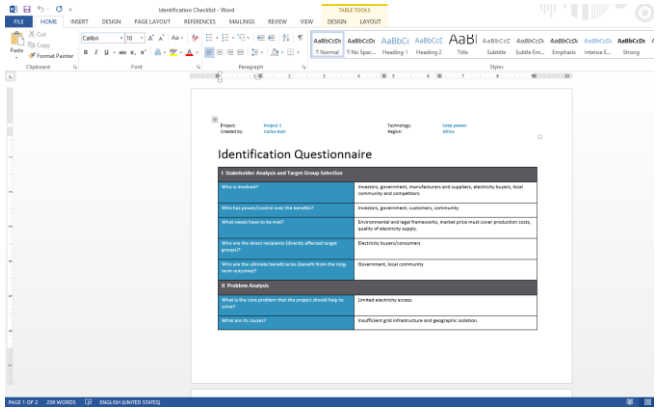
Create your own workspace

- Password protected workspace
- Interactive tools
- Store up to three projects



Follow a clear project development process

- Clear objectives
- Interactive tools
- Control questions to ensure that nothing important has been overlooked



Track your progress

- Store your data
- Keep track of your project
- Export and download reports

Financial Navigator

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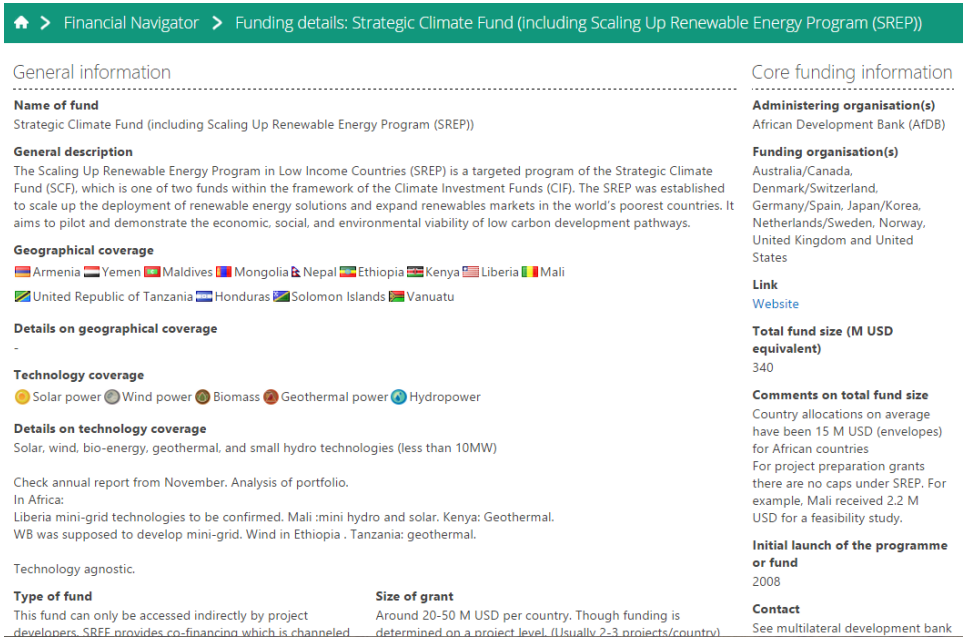
Find a fund that suits your project

The Financial Navigator is a detailed database of funds that actively provide finance to renewable energy technology projects.

It increases the transparency of the funding process and helps project developers identify potential funding opportunities

The available information includes:

- Geographical Coverage
- Technological Coverage
- Type of fund
- Size
- Funding requirements
- Administrating organization
- Contact details


Financial Navigator > Funding details: Strategic Climate Fund (including Scaling Up Renewable Energy Program (SREP))

General information

Name of fund
Strategic Climate Fund (including Scaling Up Renewable Energy Program (SREP))

General description
The Scaling Up Renewable Energy Program in Low Income Countries (SREP) is a targeted program of the Strategic Climate Fund (SCF), which is one of two funds within the framework of the Climate Investment Funds (CIF). The SREP was established to scale up the deployment of renewable energy solutions and expand renewables markets in the world's poorest countries. It aims to pilot and demonstrate the economic, social, and environmental viability of low carbon development pathways.

Geographical coverage
Armenia Yemen Maldives Mongolia Nepal Ethiopia Kenya Liberia Mali
United Republic of Tanzania Honduras Solomon Islands Vanuatu

Details on geographical coverage
-

Technology coverage
Solar power Wind power Biomass Geothermal power Hydropower

Details on technology coverage
Solar, wind, bio-energy, geothermal, and small hydro technologies (less than 10MW)

Check annual report from November. Analysis of portfolio.
In Africa:
Liberia mini-grid technologies to be confirmed. Mali :mini hydro and solar. Kenya: Geothermal.
WB was supposed to develop mini-grid. Wind in Ethiopia . Tanzania: geothermal.

Technology agnostic.

Type of fund
This fund can only be accessed indirectly by project developers. SREP provides co-financing which is channeled

Size of grant
Around 20-50 M USD per country. Though funding is determined on a project level. (Usually 2-3 projects/country)

Core funding information

Administering organisation(s)
African Development Bank (AfDB)

Funding organisation(s)
Australia/Canada, Denmark/Switzerland, Germany/Spain, Japan/Korea, Netherlands/Sweden, Norway, United Kingdom and United States

Link
Website

Total fund size (M USD equivalent)
340

Comments on total fund size
Country allocations on average have been 15 M USD (envelopes) for African countries
For project preparation grants there are no caps under SREP. For example, Mali received 2.2 M USD for a feasibility study.

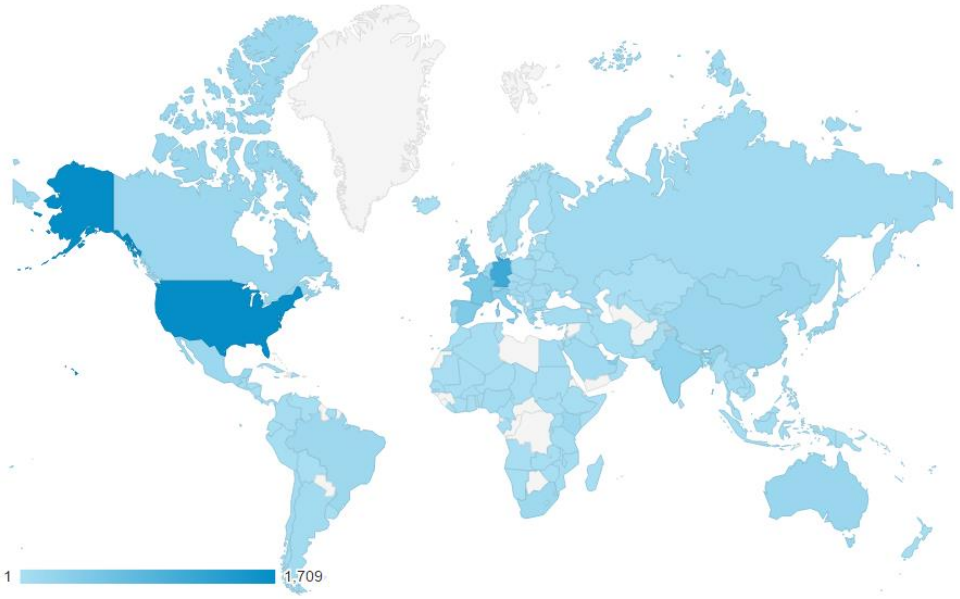
Initial launch of the programme or fund
2008

Contact
See multilateral development bank

Navigator - Present and future

Present

- Launched 22 April 2015
  - 1350+ registered users
  - Across 172 countries
- Technical Concept Guidelines
  - Wind
  - Utility-scale PV



Next Steps

- Technical Concept Guidelines
  - Rooftop PV
  - Off-/Mini-grid applications
  - Small Hydro
  - Bioenergy
  - Geothermal
- Workshops / Regional adaptations
- Pilot studies with member countries
- Continuous improvement of the tool

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Visit us: www.irena.org/navigator

Contact: navigator@irena.org