

# SCALING UP RENEWABLE ENERGY INVESTMENTS

Regional Workshop on Overcoming Critical Bottlenecks to Accelerate Renewable Energy Deployment in ASEAN+6 Countries

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# Virtual Market Place for Sustainable Energy Projects



To scale up renewable energy and energy efficiency investments a virtual market place is created with the objective to support:

- ✓ initiation,
- ✓ development and
- ✓ financingof sustainable energy projects

### By:

- Improving the transparency of the market
- Offering relevant tools and databases for market players
- Supporting and facilitating projects in the development stage

# Positioning of the Marketplace: Main stakeholders and their roles



### PROJECT HOST COUNTRIES

- Promote project portfolios
- Promote enabling investment environments

### **PROJECT OWNERS**

- Ensure visibility for projects
- Identify investors and advisors
- Share data

# IRENA SUSTAINABLE ENERGY MARKETPLACE

### Originate deals

 Project development support

**FINANCIERS** 

- Co-financiers
- Find relevant country data

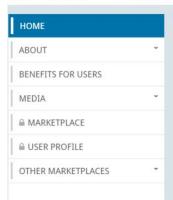
### **SERVICES & TECHNOLOGIES**

- Originate new customers
- Find partners in project development / financing consortia
- Find relevant country data









### Sustainable Energy Marketplace

57

Number of projects in the market place

850 MW

Combined capacity of projects in the market place (power generation projects only)

2.1 bn US\$



#### LATEST PROJECTS

Tunisia	Solar - PV - utilit
Municipality of N	0.25 MW electricity
Kenya	Wind - on-shore
300MW Bubisa W	300 MW electricity
Kenya	Solar - PV - utilit
SunCulture	0.41 MW electricity
Botswana	Hybrid - Diesel/R
Biofuels Botswana	0.18 MW electricity

#### THE SUSTAINABLE ENERGY MARKETPLACE: a new horizon

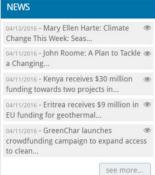
As part of IRENA's objective to sustain and facilitate the spread of renewable energy technologies, IRENA has implemented a virtual market place for renewable energy projects. The Sustainable Energy Marketplace is a free platform, for project owners, governments, financiers, and service and technology providers to help develop and drive investments to new renewable energy projects.

#### Objective

The objective of the virtual market place is to accelerate the scale-up of investments – both public and private – to promote initiation, development and financing of low-carbon renewable energy projects by bringing together project owners, governments, financiers, and service and technology providers. It makes investment opportunities visible and easily identifiable for investors and helps project developers to identify relevant funding sources and expertise.

The virtual market place will bring together project owners, governments, financiers, and service/technology providers to:

- · search for information of interest like projects with certain investment criteria, financing sources, or advisors according to specific needs of a project;
- · find information about and contact relevant entities, projects or financing instruments;
- · create a virtual data room to organize and share confidential information with selected financiers, advisors, etc.;



# MENAREC Kuwait Second Meeting of the UN Environ... ® Nairobi, UNEP Headquarters America's leading Renewable Ener... ® New York, NY, Grand Hyatt see more...

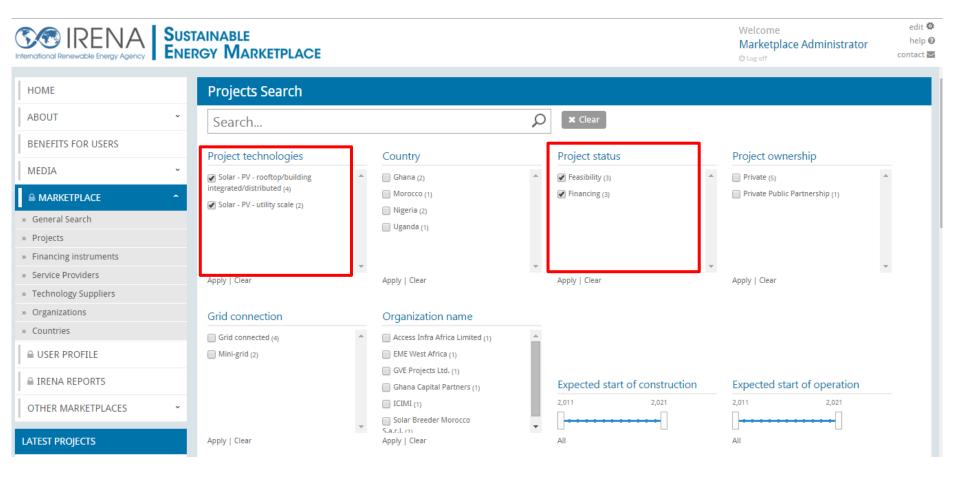
#### PROJECT NAVIGATOR

**EVENT CALENDAR** 

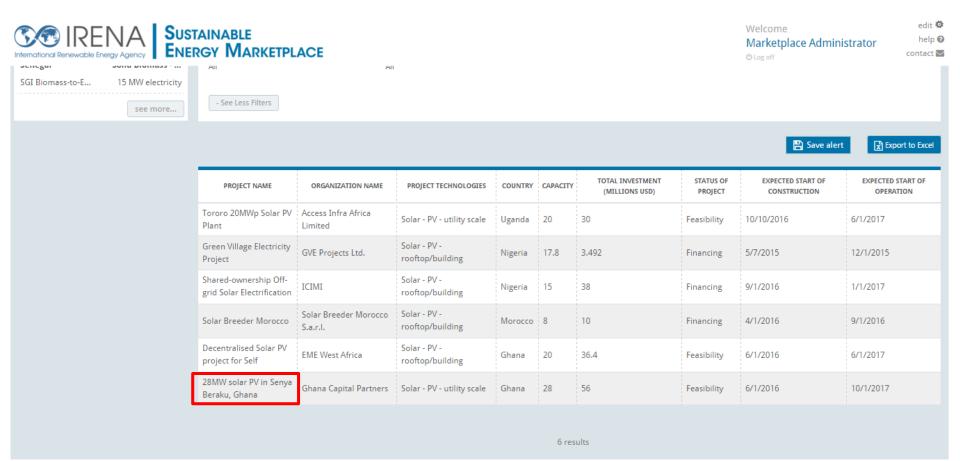
Do you need help in project development? IRENA's Project Navigator offers tools, templates and information to help project developers in developing bankable projects. Try it here:















Welcome Marketplace Administrator

edit 🖾 help @ contact 25

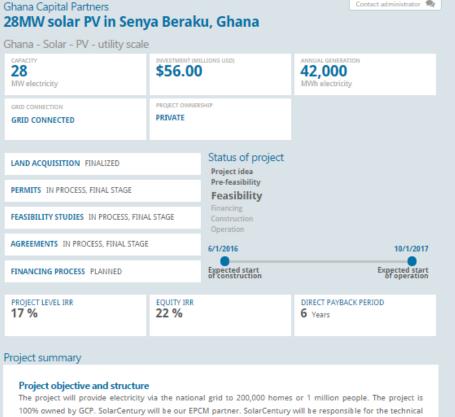


Nigeria	Solid Biomass
Hexagon Renewa	50 Litres per day
Senegal	Biogas - Power
Thecogas	0.25 MW electricity
Ghana	Solar - PV - utilit
28MW solar PV in	28 MW electricity
Senegal	Solid Biomass

15 MW electricity

LATEST PROJECTS

SGI Biomass-to-E...



work, construction and assiting GCP with maintenance. GCP is responsible for equity and senior debt financing

and project management.

Contact administrator



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Contact information

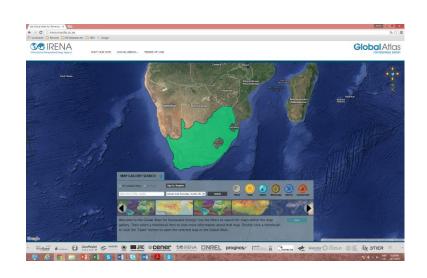
Financing plan	
Financial instrument	Amount (millions USD)
Equity, controlling stake/ M & A	20
Senior Debt	36
Available financing	

### **Tools and databases**











# What is the IRENA Project Navigator?



### The challenge of Renewable Energy Projects

- Perceived risks of RE technologies are hindering the implementation of many RE projects around the world.
- » Insufficient knowledge on project development leading to:
  - » High rate of RE project failure
  - » Perceived lack of bankability by investors and lenders
  - » Higher than normal project development costs,

### Project Navigator objectives

- » Support the increase in RE project bankability by:
  - » Providing transparent project development guidelines,
  - Enhancing the quality of activities during development,
  - » Ensuring more project reaches financing closing,
  - » Facilitating effective implementation by reducing time & cost.

### Project Navigator scope

- Technical Concept Guidelines for Solar (Large & Small), Onshore Wind, Small Hydro, Geothermal, Minigrids, Biomass
- » Support for various financial instruments for equity & debt
- » Project sizes: homeowners to utility scale projects
- Global reach: Southeast asia, Sub-Saharan Africa, Latin America & , SIDS



# **Learning Section**



### Project Development Guidelines

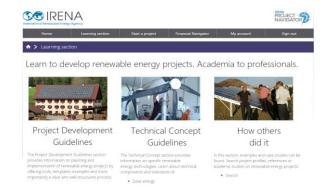
- » Transparent project development process
- » Detailed definitions
- » Tools for Project Developers
- » Summary of Key Actions
- » Control questions
- » Key deliverables
- » Contractual agreements guidelines

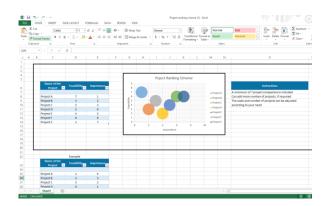
### **Technical Guidelines**

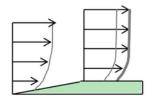
- » Guidelines for bankable project development
- » 9-steps project development process
- » Technology-specific knowledge & information
- » Toolkit including financial models & contract templates

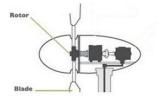
### How others did it

- » Database of RE project development examples
- » Detailed country-specific case studies
- Templates for contracts and agreements









# **Start a Project**



### Create your own workspace

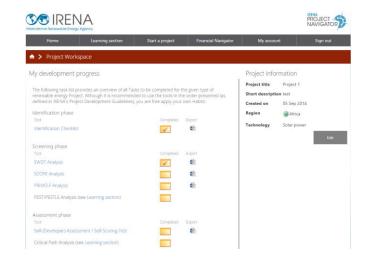
- » Private online workspace
- » Interactive tools
- » Store up to three projects

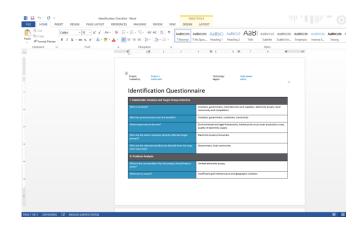
### Follow a clear project development process

- » Clear objectives for each phases
- » Interactive walkthrough tools
- » Summary of actions & deliverables and control questions

### Track your progress

- » Store your data
- » Keep track of your project
- » Export and download reports
- » Engage with experts





### **Engaging partners in project facilitation**





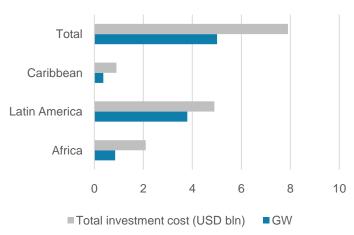
**Objective:** Project origination, development and match-making

### **Current User Volume**

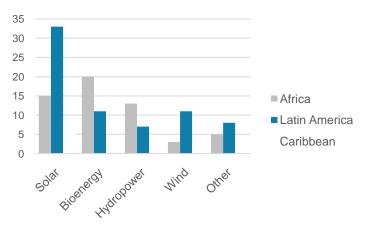


- 200 registered users
- 144 projects
- 63 financing instruments
- USD 8 bln investment need
- 58 solar projects
- 33 bioenergy projects
- 21 hydropower projects
- 15 wind projects
- 17 other renewable energy projects

# Total investment cost (USD bln) and Capacity (GW)



# Project types by region (number of projects)



# Thank you!





ACCESS TO CARIBBEAN PORTAL

LATIN AMERICA PORTAL

AFRICA PORTAL