

# **SCALING UP RENEWABLE ENERGY INVESTMENTS**

**SE4All Annual Workshop**  
11 February 2016

**Safiatou Alzouma NOUHOU**  
Regional Programme Officer, Sub-Saharan Africa, IRENA

# Online portal



ACCESS TO  
**CARIBBEAN PORTAL**

ACCESS TO  
**LATIN AMERICA PORTAL**

ACCESS TO  
**AFRICA PORTAL**

# Matchmaking / search engine

HOME

ABOUT

BENEFITS FOR USERS

MEDIA

MARKETPLACE

USER PROFILE

OTHER MARKETPLACES

## LATEST PROJECTS

Nigeria	Solid Biomass - ...
Hexagon Renewa...	50 Litres per day
Senegal	Biogas - Power
Thecogas	0.25 MW electricity

## Sustainable Energy Marketplace

**35**

Number of projects in the market place

**251.26 MW**

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

**0.68 bn US\$**

Total investment need



## NEWS

- 01/18/2016 - IRENA, ADFD announce USD 46 million in loans for...
- 01/18/2016 - Geothermal energy an important part of Ethiopia's energy future
- 01/18/2016 - New Low For Wind Energy Costs: Morocco Tender Averages...
- 01/15/2016 - A New Record for Clean Energy Investment: 'It Is...
- 01/15/2016 - President Obama Will Stop Issuing Leases to Coal Mining...

[see more...](#)

## EVENT CALENDAR

- World Future Energy Summit 2016
- Abu Dhabi National Exhibition Centre
- Second Meeting of the UN Environm...
- Nairobi, UNEP Headquarters

[see more...](#)

## PROJECT NAVIGATOR

## 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

# Matchmaking / search engine

HOME

ABOUT

BENEFITS FOR USERS

MEDIA

**MARKETPLACE**

- » General Search
- » Projects
- » Financing instruments
- » Service Providers
- » Technology Suppliers
- » Organizations
- » Countries

USER PROFILE

IRENA REPORTS

OTHER MARKETPLACES

LATEST PROJECTS

## Projects Search

Search...

### Project technologies

- Solar - PV - rooftop/building integrated/distributed (4)
- Solar - PV - utility scale (2)

Apply | Clear

### Country

- Ghana (2)
- Morocco (1)
- Nigeria (2)
- Uganda (1)

Apply | Clear

### Project status

- Feasibility (3)
- Financing (3)

Apply | Clear

### Project ownership

- Private (5)
- Private Public Partnership (1)

Apply | Clear

### Grid connection

- Grid connected (4)
- Mini-grid (2)

Apply | Clear

### Organization name

- Access Infra Africa Limited (1)
- EME West Africa (1)
- GVE Projects Ltd. (1)
- Ghana Capital Partners (1)
- ICIMI (1)
- Solar Breeder Morocco S.a.r.l. (1)

Apply | Clear

### Expected start of construction

2,011 2,021

All

### Expected start of operation

2,011 2,021

All

# Matchmaking / search engine

SGI Biomass-to-E... 15 MW electricity  
see more...

- See Less Filters

Save alert Export to Excel

PROJECT NAME	ORGANIZATION NAME	PROJECT TECHNOLOGIES	COUNTRY	CAPACITY	TOTAL INVESTMENT (MILLIONS USD)	STATUS OF PROJECT	EXPECTED START OF CONSTRUCTION	EXPECTED START OF OPERATION
Tororo 20MWp Solar PV Plant	Access Infra Africa Limited	Solar - PV - utility scale	Uganda	20	30	Feasibility	10/10/2016	6/1/2017
Green Village Electricity Project	GVE Projects Ltd.	Solar - PV - rooftop/building	Nigeria	17.8	3,492	Financing	5/7/2015	12/1/2015
Shared-ownership Off-grid Solar Electrification	ICIMI	Solar - PV - rooftop/building	Nigeria	15	38	Financing	9/1/2016	1/1/2017
Solar Breeder Morocco	Solar Breeder Morocco S.a.r.l.	Solar - PV - rooftop/building	Morocco	8	10	Financing	4/1/2016	9/1/2016
Decentralised Solar PV project for Self	EME West Africa	Solar - PV - rooftop/building	Ghana	20	36.4	Feasibility	6/1/2016	6/1/2017
28MW solar PV in Senya Beraku, Ghana	Ghana Capital Partners	Solar - PV - utility scale	Ghana	28	56	Feasibility	6/1/2016	10/1/2017

6 results

# Matchmaking / search engine

- HOME
- ABOUT
- BENEFITS FOR USERS
- MEDIA
- MARKETPLACE**
  - » General Search
  - » Projects
  - » Financing instruments
  - » Service Providers
  - » Technology Suppliers
  - » Organizations
  - » Countries
- USER PROFILE
- IRENA REPORTS
- OTHER MARKETPLACES
- LATEST PROJECTS**

Nigeria	Solid Biomass - ...
Hexagon Renewa...	50 Litres per day
Senegal	Biogas - Power
Thecogas	0.25 MW electricity
<b>Ghana</b>	<b>Solar - PV - utilit...</b>
28MW solar PV in...	28 MW electricity
Senegal	Solid Biomass - ...
SGI Biomass-to-E...	15 MW electricity

Ghana Capital Partners Contact administrator  
**28MW solar PV in Senya Beraku, Ghana**

Ghana - Solar - PV - utility scale

CAPACITY <b>28</b> MW electricity	INVESTMENT (MILLIONS USD) <b>\$56.00</b>	ANNUAL GENERATION <b>42,000</b> MWh electricity
GRID CONNECTION <b>GRID CONNECTED</b>	PROJECT OWNERSHIP <b>PRIVATE</b>	

**LAND ACQUISITION** FINALIZED

**PERMITS** IN PROCESS, FINAL STAGE

**FEASIBILITY STUDIES** IN PROCESS, FINAL STAGE

**AGREEMENTS** IN PROCESS, FINAL STAGE

**FINANCING PROCESS** PLANNED

**Status of project**

Project idea  
Pre-feasibility  
**Feasibility**  
Financing  
Construction  
Operation

6/1/2016 10/1/2017

Expected start of construction Expected start of operation

PROJECT LEVEL IRR <b>17 %</b>	EQUITY IRR <b>22 %</b>	DIRECT PAYBACK PERIOD <b>6</b> Years
----------------------------------	---------------------------	-----------------------------------------

**Project summary**

**Project objective and structure**

The project will provide electricity via the national grid to 200,000 homes or 1 million people. The project is 100% owned by GCP. SolarCentury will be our EPCM partner. SolarCentury will be responsible for the technical work, construction and assisting GCP with maintenance. GCP is responsible for equity and senior debt financing and project management.



**Contact information**

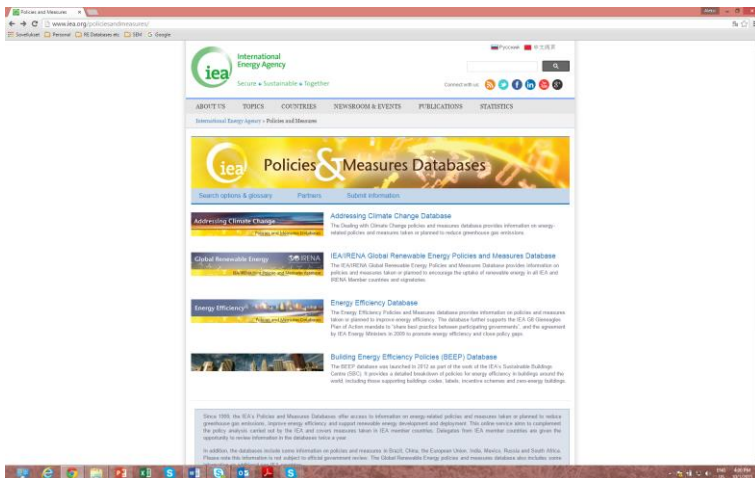
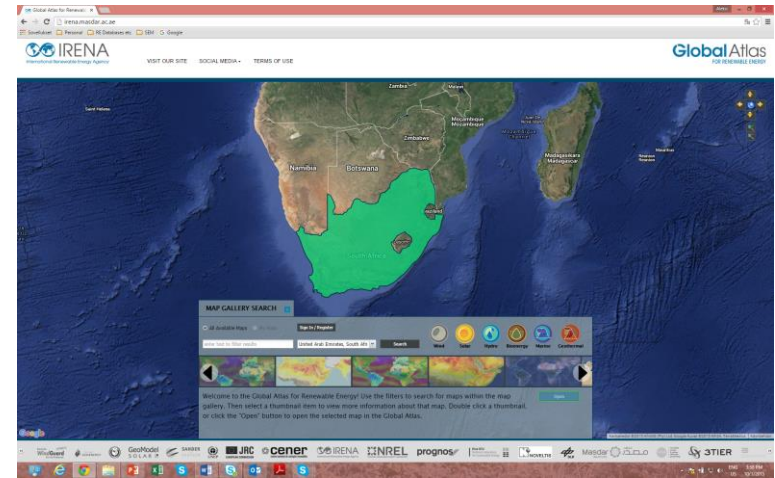
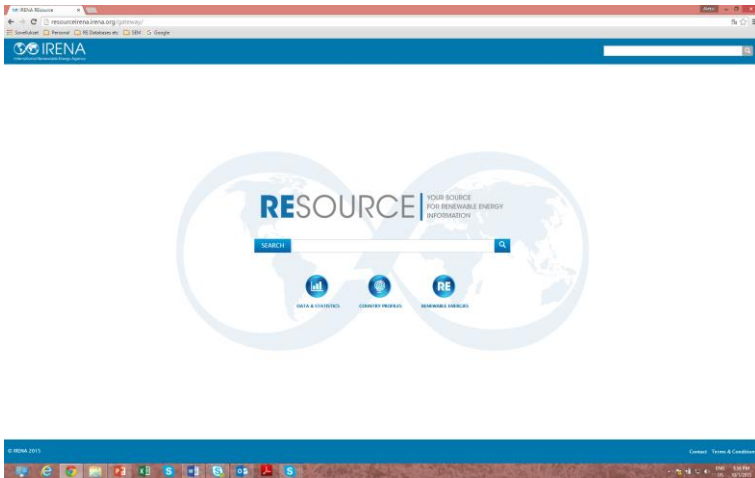
**Sidney Yankson**  
+233507787000  
sidney@ghanacp.com  
1 Independence Avenue  
Accra

**Financing plan**

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

**Available financing**

# Tools and databases



# Engaging partners in project facilitation



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



# Thank you!



ACCESS TO  
**CARIBBEAN PORTAL**

ACCESS TO  
**LATIN AMERICA PORTAL**

ACCESS TO  
**AFRICA PORTAL**