



REPUBLIC OF MOZAMBIQUE  
MINISTRY OF ENERGY

# African Renewable Energy Dialogue Mozambique

Presentation  
by

Ricardo Pereira  
Directorate of New and Renewable Energies

30<sup>th</sup> of October, 2013

# Background

- Eastern & Southern Africa platform to promote RE;
- EEP provides an opportunity window for deployment of RE;
- Public, Private Sector and Civil Society room for co-financing projects;
- Partnership to accelerate action that will boost projects.

# Geographic Coverage of EEP

- Botswana, Kenya, Mozambique, Namibia, South Africa, Swaziland, Tanzania and Zambia.



# Call for Proposal Cycle

- 1. Deadline for submitting Project Profiles: **application online** [eepafrica.org](http://eepafrica.org)
  - ( 2 months )
- 2. EEP Steering Committee Meeting to approve Project Profiles
  - ( 1 month)
- 3. Notification of award and invitation of full proposals
  - (1 week)
- 4. Deadline for receiving full proposals
  - (1 month)
- 5. Contract signing and start of projects
  - (1 month)
- 6. Projects implementation
  - ( 1 - 2 year)

# Lessons Learned

1. How far have we come?
2. What do we want to achieve?
3. How much time we have for the programme?

# Lessons Learned

4. Are we feeling comfortable with the results?
5. Are there any bottlenecks in the process?
6. Is there any way to move faster and reach the main objective of the partnership?

# Mozambique Opportunities

As result of the Renewable Energy Strategy there are actions under development:

- Renewable Energy Atlas, which consist of small scale hydro, solar, biomass, wind, geothermal and ocean mapping (2013);
- REFIT proclamation, which will consider four options namely: Hydro, wind, biomass and solar (2013);
- Solar Photovoltaic Factory (2013);
- First wind farm up to 30 MW on which RFP will delivered to bidders by May (2013).

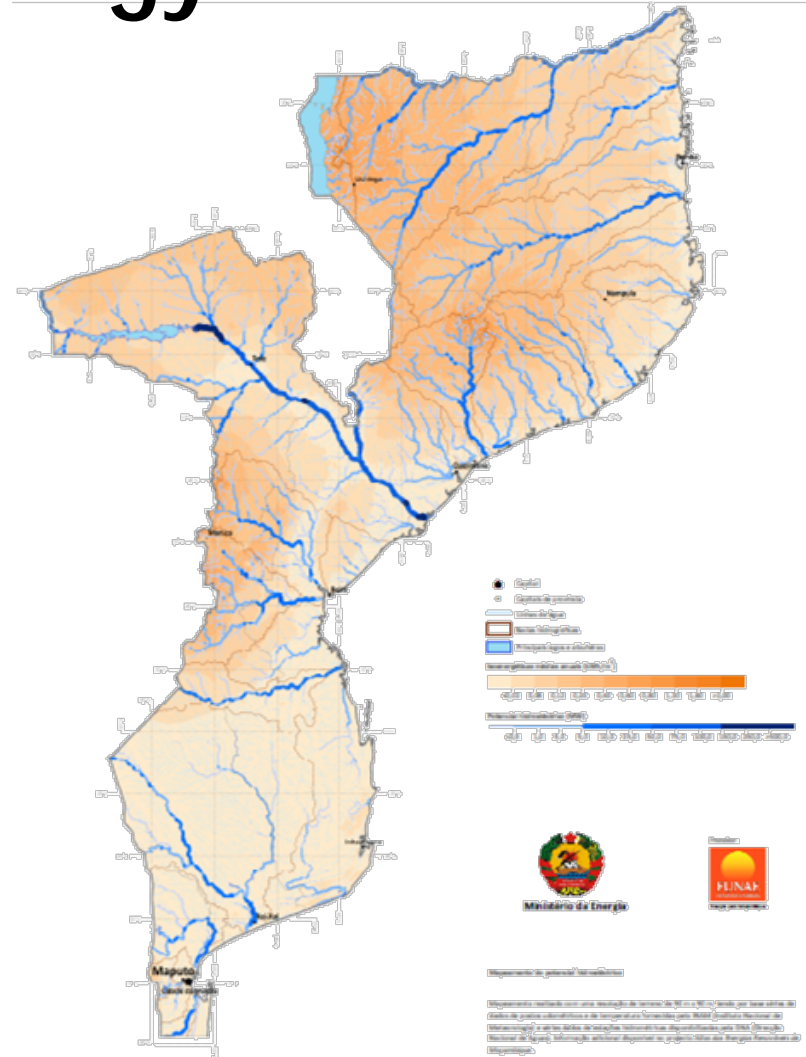
# Renewable Energy Atlas

The hydropower potential is about 18000 MW;

Only about 20% has been exploited;

More than 800 sites can be exploited for small, medium and large scale hydropower plants;

There are some experience on small hydro mainly in Manica, Niassa and Tete.





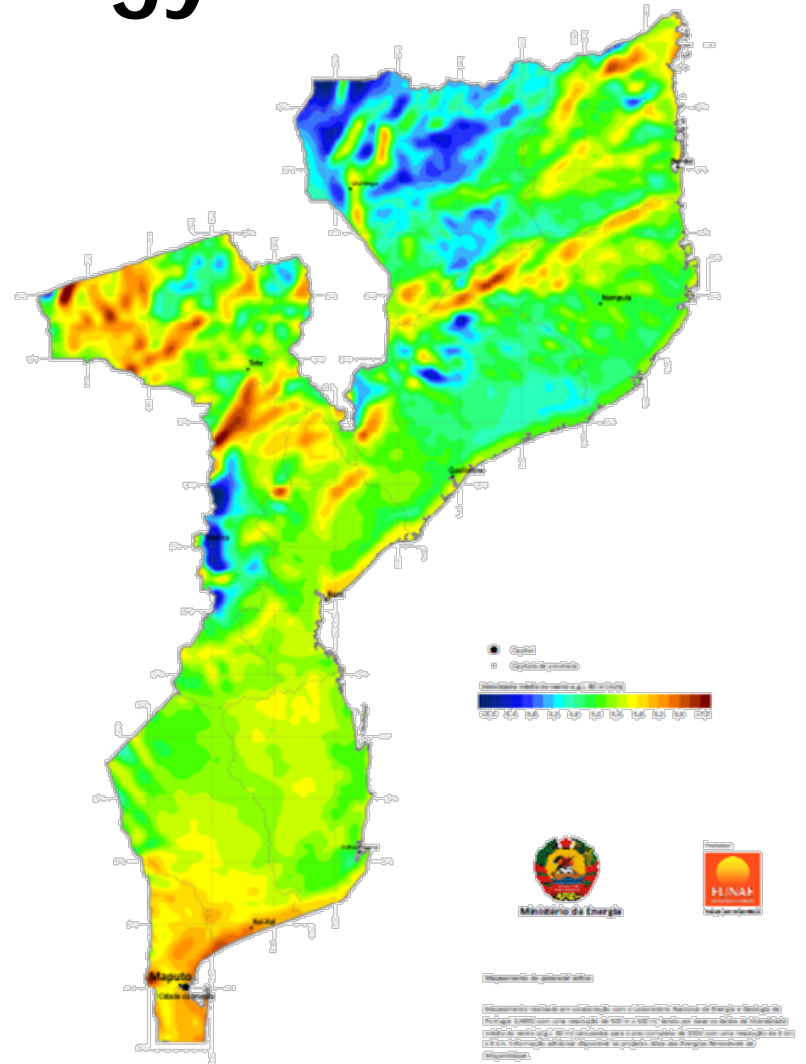
# Renewable Energy Atlas

The wind resources is characterized to be significant.

About 10 sites have wind speed above 6 m/s;

More than 100 MW confirmed with above 3000 hour equivalents of production;

The strong wind blow during June to August and the direction is Northwest.

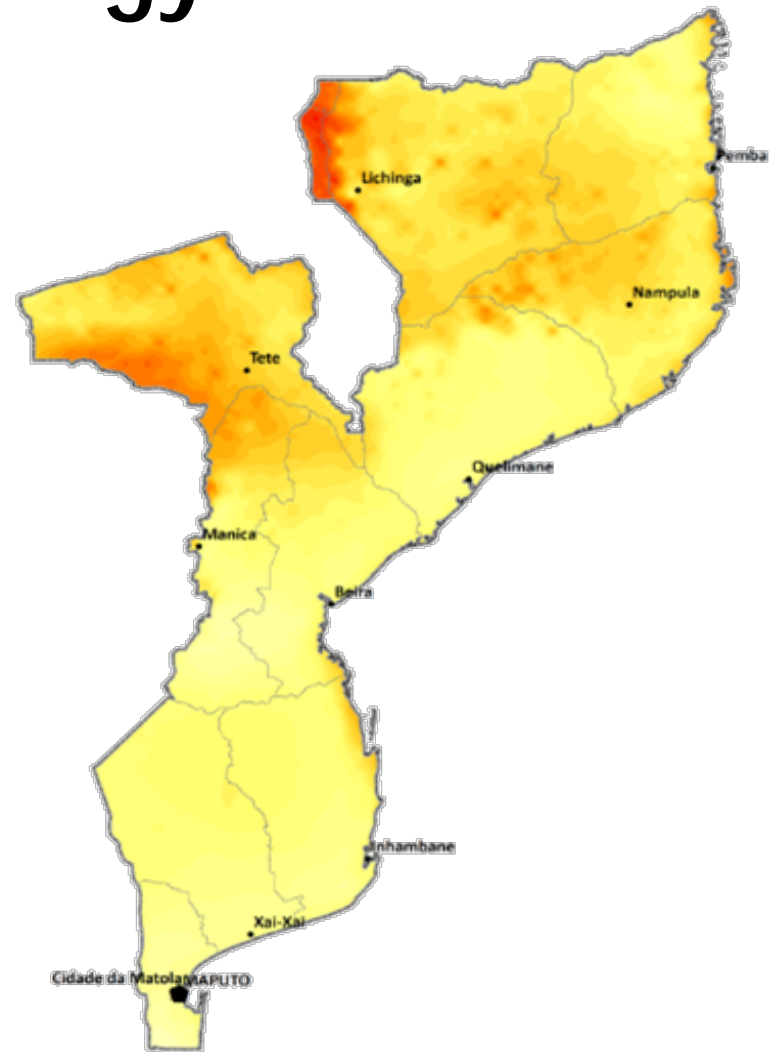


# Renewable Energy Atlas

The country has satisfactory solar potential.

Average global solar radiation is 19000 kWh/m<sup>2</sup>/year

The solar projects can be located any place all over the country, which has a total potential of 23TWp.

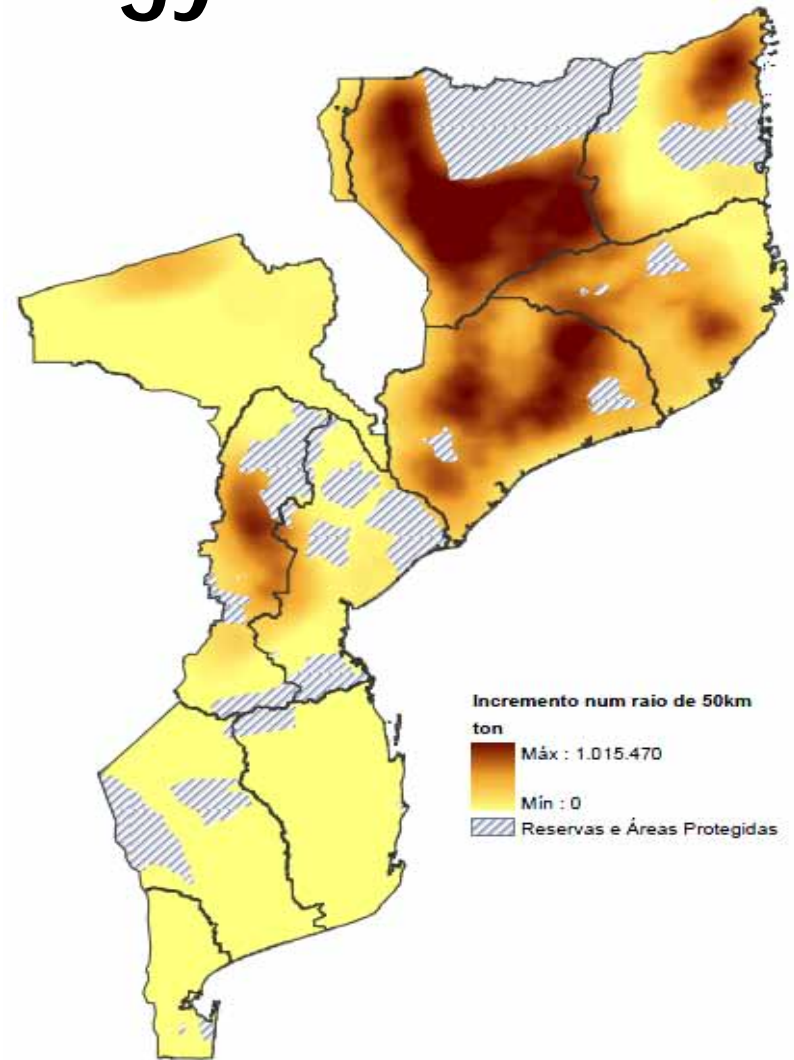


# Renewable Energy Atlas

The biomass potential can be seen in two ways:

Residual biomass (agriculture, forest, etc) assessment has given 21 possible projects with a total of 1.286 MW;

For co-generation from the 4 sugarmills the total potencial is around 200 MW that can be developed today.



# Renewable Energy Feed in Tarrif

The REFIT proclamation will cover four RE options namely: Hydro, wind, biomass and solar.

- Proposed maxim capacity for all them is 10 MW (under discussion);
- For each option the range of tariff will vary according to capacity in consideration;
- PPA will have timeframe of 20 years.

# Way Forward

Policy and Strategy in place, in order to enabling legal framework to promote implementation RE development;

Build an environment to engage private sector or PPP in the RE programmes;

Ensure that RE Atlas can be available for the interested investors;

Launch the REFIT programme.

# THANK YOU!

Ministry of Energy

Address: R da Imprensa 256, 3<sup>rd</sup> Floor, 315

P.O.Box 1381

Phone:+258 21 302112

Fax.:+258 21 357 633

E-mail: [rcp.dner@gmail.com](mailto:rcp.dner@gmail.com)

Maputo -Mozambique