Adapting regulated markets – How far to go with liberalisation?

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Paris, March 24th, 2015

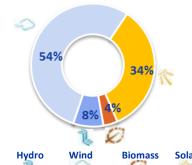


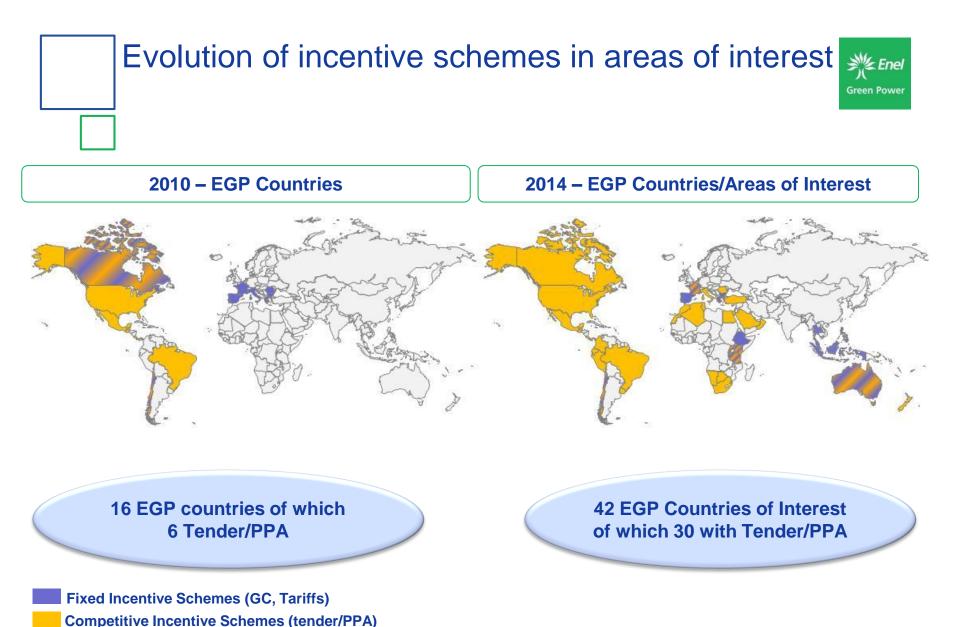


Global leadership in RES development ¹









Note: analysis based on EGP countries. Remuneration mechanisms refer to RES Utility-scale plants. The following countries are classified based on the remuneration mechanism selected by EGP: Costa Rica, Panama, El Salvador, Mexico.

In Brazil also FiTs exist for small hydro projects established under a distributed generation regime and they are currently being phased out



RES Remuneration mechanisms FIT vs. Competitive mechanisms



PROS

CONS

Feed in Tariffs eg.:

- ✓ Germany
- ✓ Greece
- ✓ France
- ✓ Turkey

- ✓ Attractive mechanism also for low-risk investors
- ✓ Support significantly the acceleration of the installed capacity
- ✓ Simple structure, ideal for the mass market. Eq: Distributed Generation

- √ Non meritocratic approach
- ✓ Mismanagement of tariffs may lead to an under / over development of RES compared to the objective set
- ✓ Limited flexibility: in case of rapid evolution of technology, many changes are required
- ✓ In case of too generous tariffs, high costs for the system

PPAs through competitive process

eg:

- **√US**
- ✓ Brazil
- ✓ South Africa

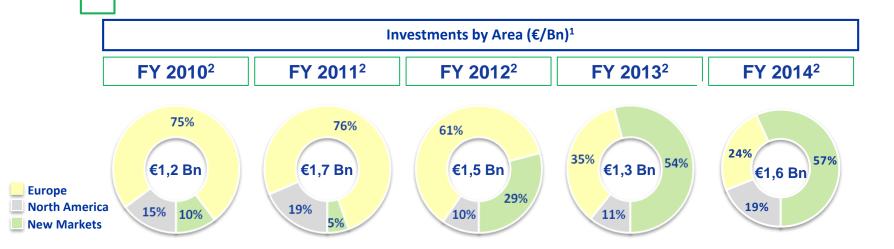
- ✓ Efficient use of economic resources
- Possibility of setting specific capacity target
- ✓ Meritocratic mechanism (cheaper and more efficient projects are selected)
- ✓ Learning effect for both parties through practice

- ✓ With no prequalification criteria, risk of under-bid and distortion of the competitive mechanism
- ✓ Remuneration strongly linked to the level of competition
- ✓ Remuneration uncertainty when entering into a new country
- √ Not suitable for small-scale projects

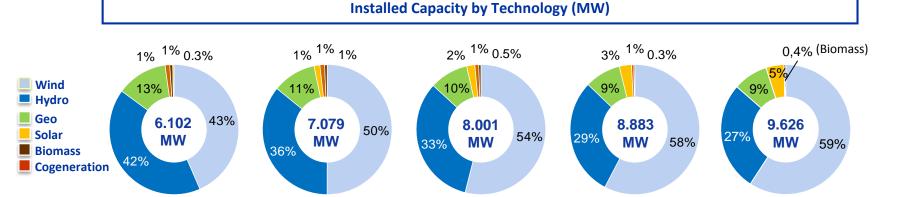
> Two different approaches to deploy renewable technologies that impact in different ways the national electricity system

Investments¹ and Installed Capacity 2010-2014





Since 2010 over €7,3 Bn of CAPEX, of which €2,2 Bn in New Markets and €1,1 Bn in North America.



- 1. Including maintenance capex..
- 2. Net cash grant



