

TRANSITIONING SMALL ISLANDS

THE EXAMPLE OF MARIE-GALANTE : SELF-SUFFICIENT FROM RENEWABLE ENERGY BY 2020





THE ISLAND

- 158 km²
- 11.000 people
- Electricity 85% from fossil fuels, mainly supplied from Guadeloupe,
- Need for social cohesion and long term jobs
- Need for sustainable tourism
- Potential for agriculture diversification from sugarcane



Old windmill



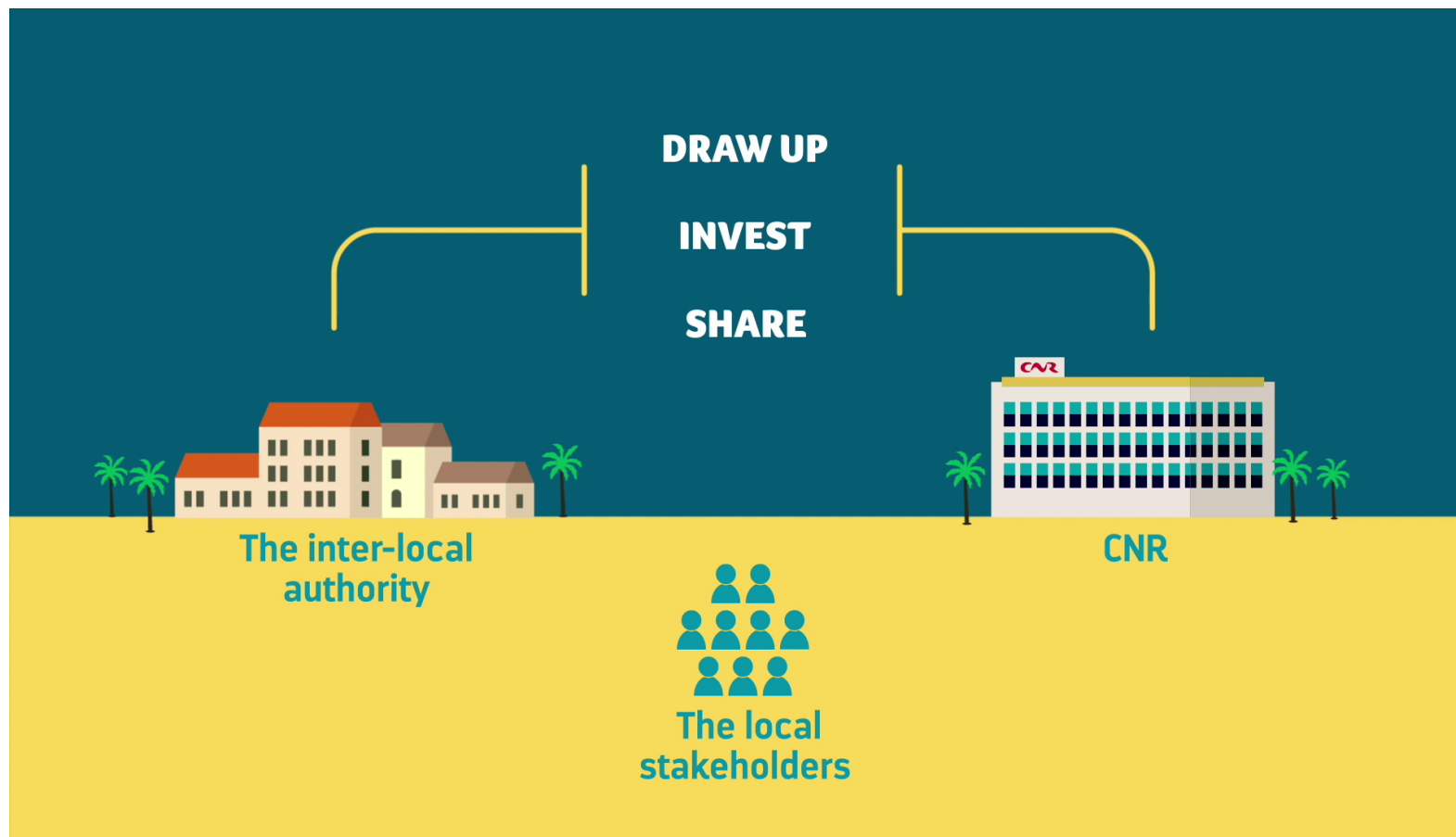
Port and city of Grand-Bourg

Project presentation video



CNR COP 22 - English version def.mp4

A partnership with inter-local authority



Local renewable generation, with electricity storage, associated with demand response and managed by a virtual power plant



Designed to be replicated

1. Based on proven and competitive renewable generation (wind and solar)
2. Innovations based on open technologies
3. Smart grid compatible with different type of distribution grids
4. **Scalable up and down**



What is needed to speed up the roll out to 1000 islands of the EU and globally

1. Create a task force at EU level
 - Capitalize the know how
 - Help local governments to design the right projects
 - Facilitate access to EU structure funds
2. Launch an economical and social study per country and / or geographical areas
3. Share revenues with local communities
4. Provide easy access to grid data

France's leading producer of 100% renewable energy (water, wind, sun), the Compagnie Nationale du Rhone (CNR) has forged a unique distributive model around the Rhone concession that combines green electricity production with territorial development. Since 1934, it has operated and developed the river in the framework of three missions entrusted to it by the State: electricity production, developing river navigation, supplying irrigation and assistance for agriculture. An industrial model in the general interest, CNR plays a major role in developing the territories crossed by the river. Its philosophy: close cooperation with the stakeholders and the spirit of joint construction for the benefit of all. A key player in energy transition and combating climate change, CNR innovates daily as a corporate laboratory for tomorrow's energies in the service of the territories.



THANK YOU FOR YOUR ATTENTION

We look forward to cooperating with you for the sustainable development of RES and smart grid projects on your territories

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