Mitigation Policy
Brittany Energy Status

- Electric fragility due to:
  - Deficit of production
  - Peninsula situation

Need to prevent the risk of black-out

- "Pacte Electrique Breton" (2010):
  - Securing the network and electricity provisioning
  - Production of renewable energies
    - Offshore wind and marine energies
  - Demand Side Management
    - Smart grids roadmap / SMILE project

Involvement of the population through the Regional Energy Conference
Smart Grids / Smile Project

- Smart grids roadmap (2013):
  - Smart territories
  - R&D support
  - Innovation and industrial support
  - Large scale deployment

- SMILE project (2016 – 2020):
  - Led by Brittany and Pays de de Loire regions
  - 170 public and industrial actors involved
  - 260M€ planned projects
Next steps and key points

- Regions are already a relevant level to manage decentralized and democratized renewable energy policies

- 2 levels of action:
  - Territories → need to invest to deploy solutions
  - Industries → support to innovation and growth

Consult
Invest
Organize
Plan
Facilitate
SMILE Provision of services

For the companies

For the territories
Focus: Smart Green Island

Currently
37M€ already invested

Tomorrow:
- Centralized storage 800 kW, and 1 MW and associated management to optimize the integration of ENR (service network frequency/voltage)
- New public lighting
- Energy efficiency actions
- Tidal energy prototype 1 MW
- Smart grid
- Solar panels
- HTA distribution grid
-潮汐能

Equipment
2017 - 2019
Cost: 4M€

15000 km²
877 Inhabitants

Tomorrow:
- Open to new projects (solar, autonomous smart building, smart EV, etc.)
- a tidal farm Multi-MW
- storage (RE buffer)

Tomorrow:
- Collect for single animated citizens
EC support to Brittany initiatives

- Investigation of good practices for policy improvement and better ERDF management
- Approval of integrated EMR + Smart Grids solutions for isolated areas
- Financial support to SMEs for demonstrator projects
- Platform providing advice for the design and implementation of Smart Specialisation Strategy
- Support to innovative SMEs in their European and international projects