

# GRTgaz challenges : network development vs NIMBY principle

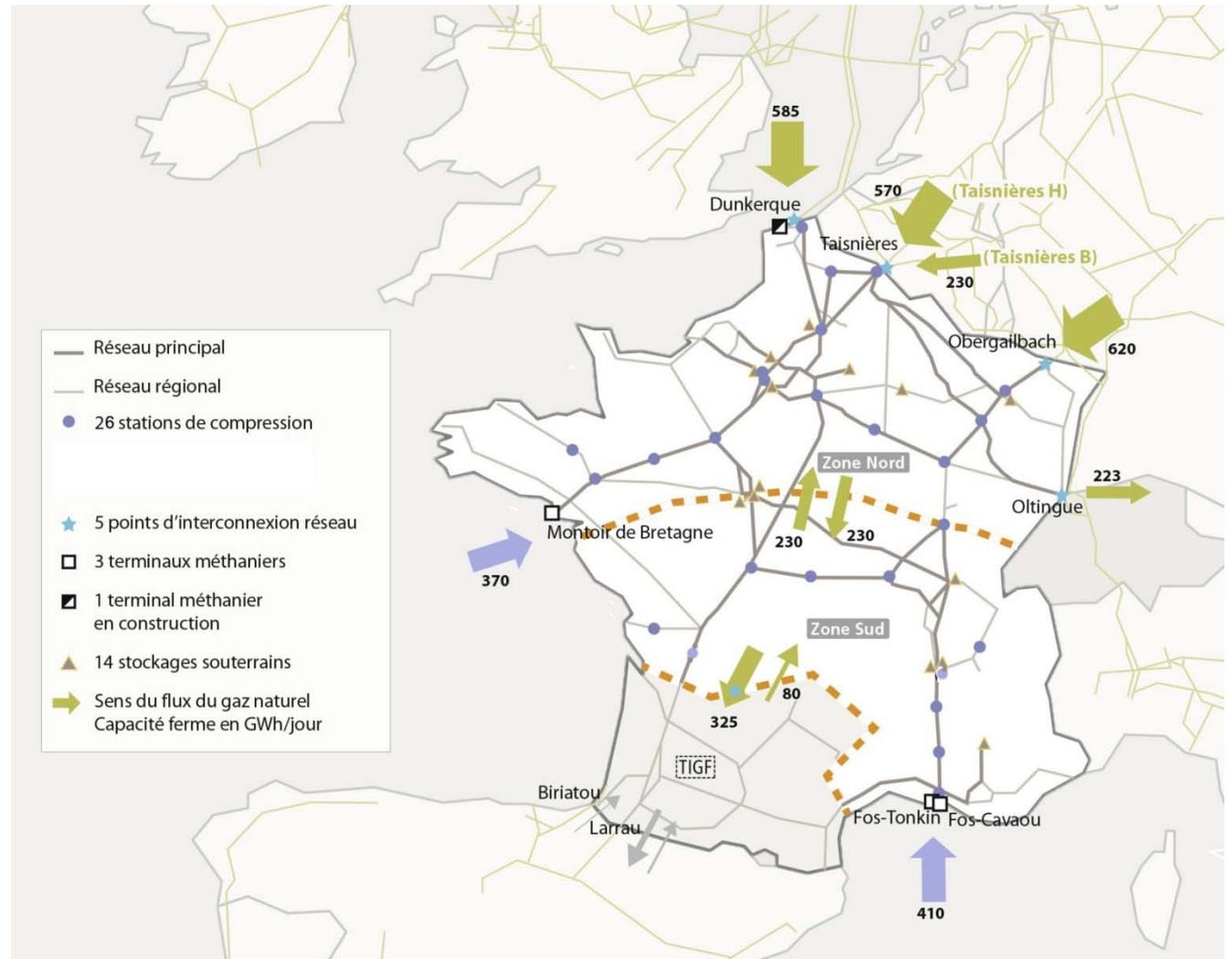
2<sup>nd</sup> IGU meeting PGCE Marketing &  
Communication  
27<sup>th</sup> March 2013



Construisons le transport de demain

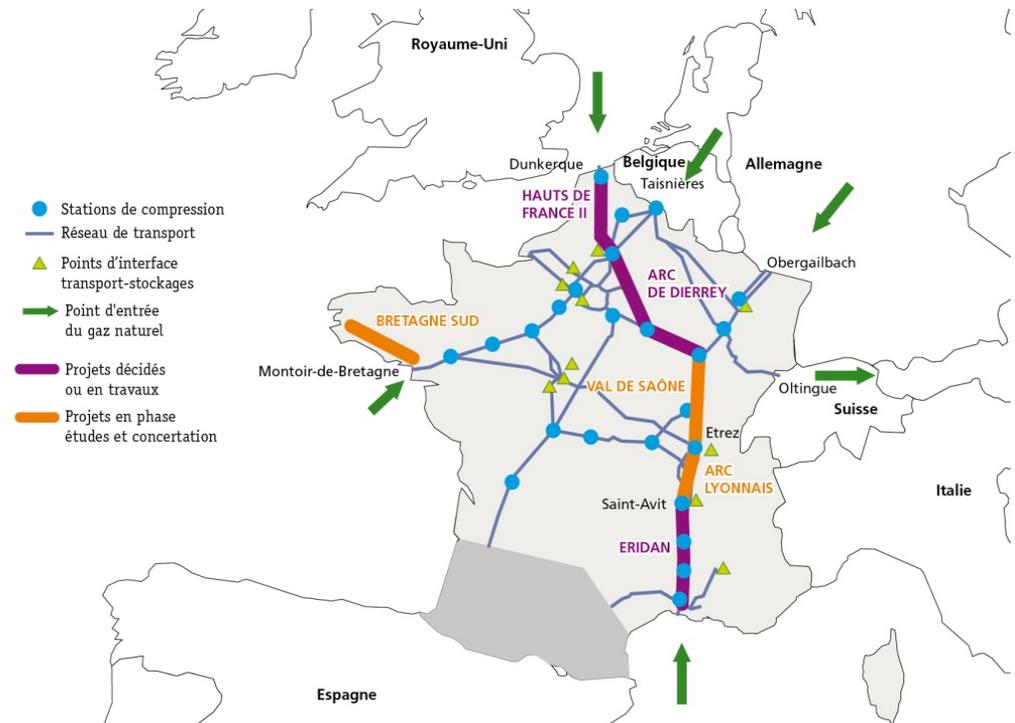
# GRTgaz in short

- More than 32,000 km of pipelines
- 3000 employees
- 1.6 billion Euros turnover
- 637 TWh transported in 2012
- About 4500 delivery points
- Subsidiary 75% GDFSUEZ and 25 % SIG (Caisse des Dépôts subsidiary)



# GRTgaz Investment plan

- For the next 4 years: €2.8 billion already decided
- 8 pipeline projects on going at various stages of progress
- 10 year perspective: over €8 billion 2012-2021
- Drivers :
  - Dunkerque LNG Terminal => 500 km and €1.7 billion
  - 1200 mm diameter to increase network flexibility
  - Towards a single market zone



# Investment challenges

---

## ➤ Investment opportunities

- Public acceptance of gas pipeline greater than for other type of infrastructure
- Benefiting from a good image acquired from past projects
- An opportunity to communicate about gas infrastructure and demonstrate GRTgaz social responsibility



## ➤ Investment challenges

- Infrastructure not visible, not that well known
- Gas perceived as a declining fossil fuel, no need for more infrastructure
- Public Interest vs local benefits
  - ⇒ Communication on the economical benefits
- Need for a balance between various interests of various stakeholders (gas customers, regulators, environmental associations and local associations, shareholders...)

# Public Debate

---

- Mandatory for projects over 200 km gas pipeline (and > 600 mm)
- An independent body designated to ensure that public requirements are taken on board (Commission Nationale du débat public)



- First public debate in 2009 on Eridan Project, done on all on going projects (4<sup>th</sup> public debate to be launched in September 2013)
- The objective is to adapt the project to the public requirements

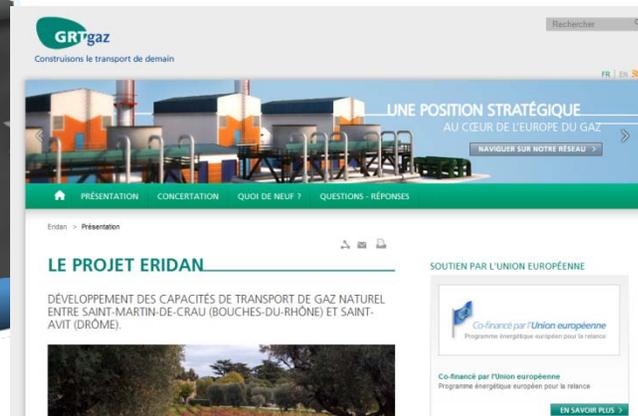
# Public Debate obligations and opportunities

---

- An obligation to justify the need for the specific project
  
- An opportunity to explain the gas system and the role of gas in the future
  - Guarantee natural gas supply in France and Europe and favour the construction of a single market
  - Ensure the solidarity of the territories by a permanent continuity of supply
  - An opportunity to awake awareness on energy and the need for gas infrastructure on long term
  
- An opportunity to explain how the project is good for the local economy
  - More than 50% return to the French economy globally
  - More than 4000 companies every year
  - Developing local employment (200 one year contracts on a 50 km long project)
  - Be open to local expertise/knowledge

# A targeted action plan

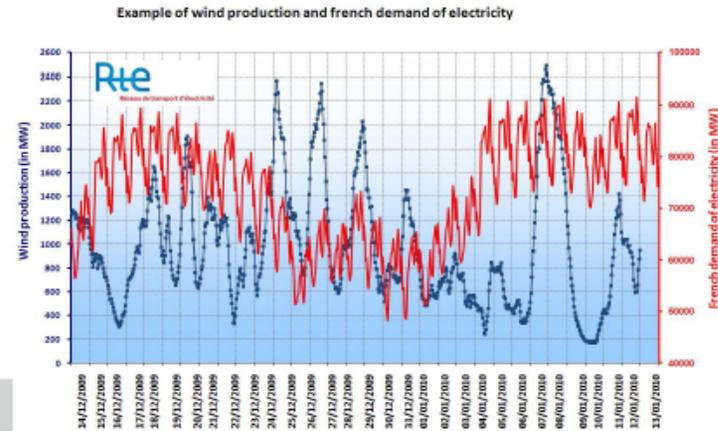
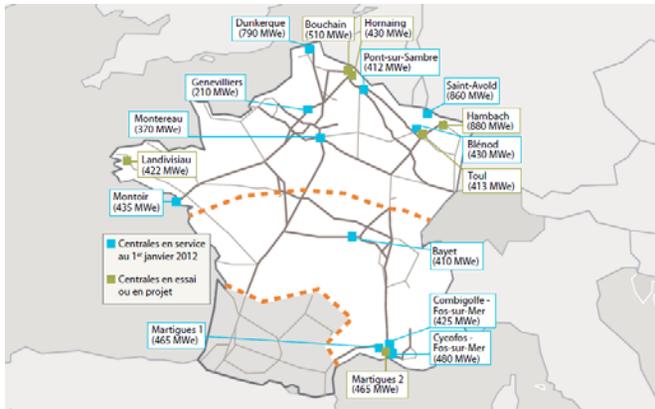
- A need to adapt the organisation and to share information between the project team and the local team
- A panel of various tool to promote the project and the local public acceptance trying to involve the local various stakeholders bearing the local economical, social and environmental interests



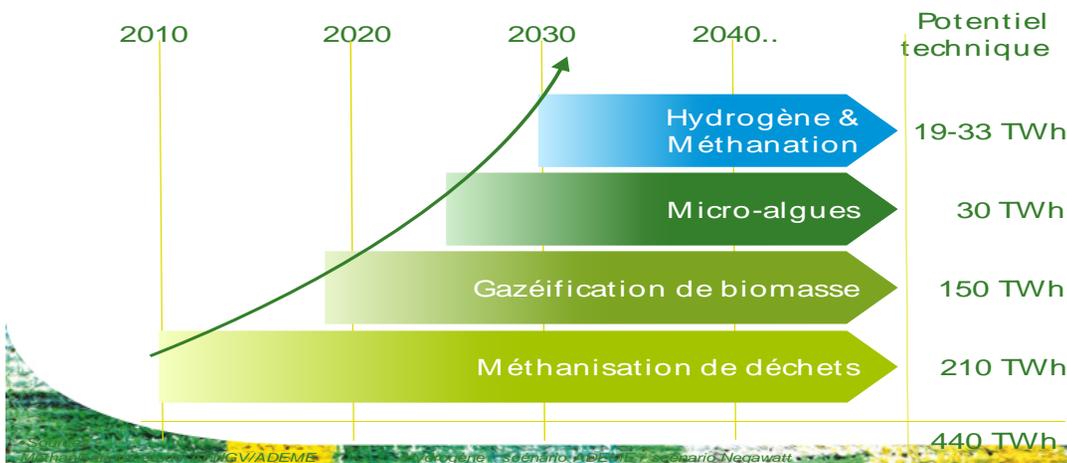
- An important preparatory work to liaise with the local and regional journalists and to keep them informed all along the project's life
- Half of the press articles on GRTgaz related to on going projects

# Gaz infrastructure , a system at the heart of the French energy transition

➤ An ideal complement to renewable energies for electricity production : CCGT sites

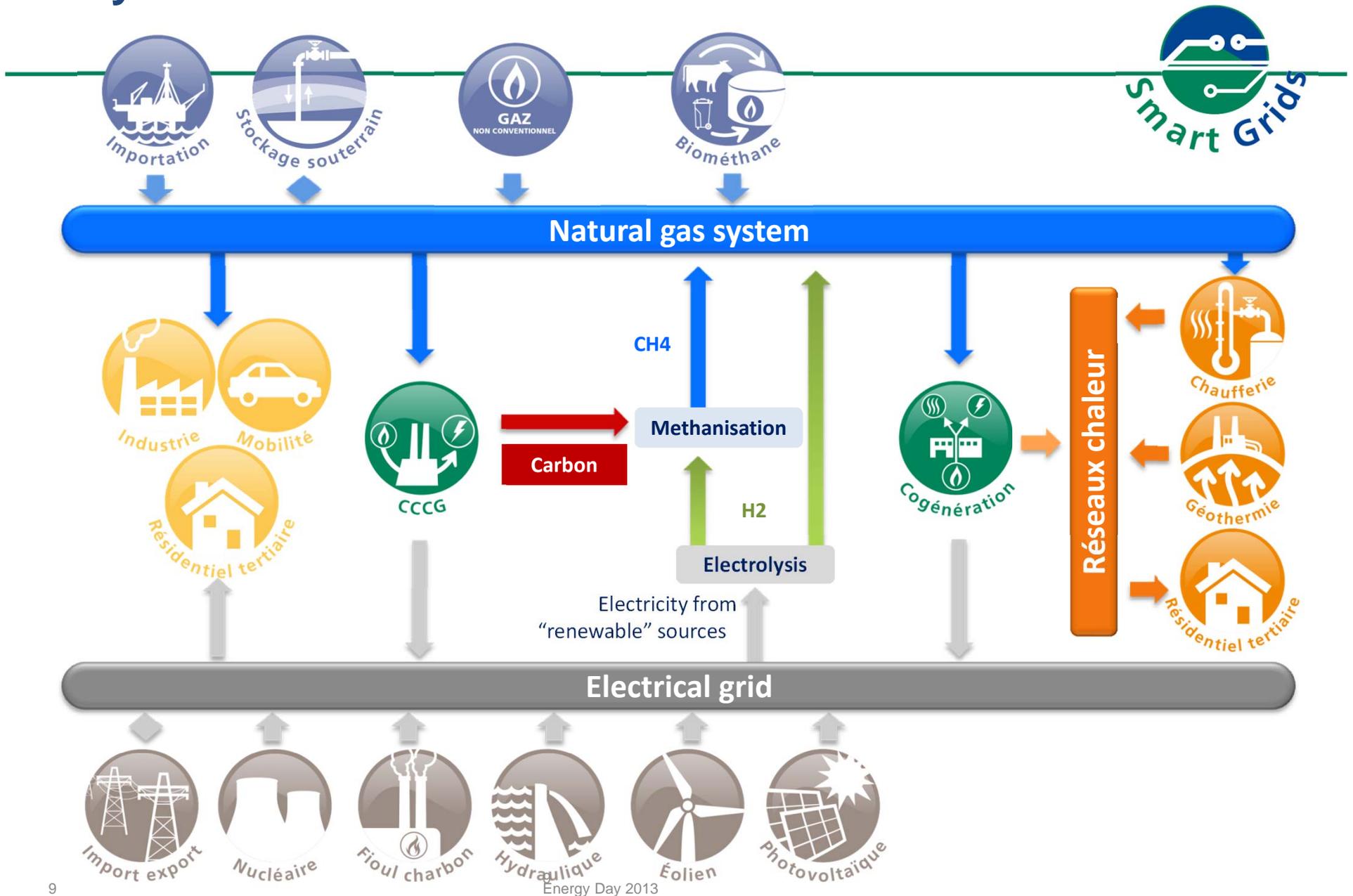


➤ Towards a decarbonised system : bio-methane injection coming soon, Hydrogene and Syn-gas on the long term, an opportunity to use surplus electricity



- Technical potential in the range of the annual consumption
- Towards a 100% carbon-free gas prospective scenario by 2050 ? =>
- Cooperation agreement between TSOs

# the network, a major component of a global energy system for tomorrow



# GRTgaz vision for the future

---

- GRTgaz is willing to prepare its network to make the energy transition possible
  
- By assisting with the development of local energy projects while ensuring solidarity between regions:
  - ✓ Deliver the right amount of energy to the proper place
  - ✓ Receive the right amount of energy from the proper place
  - ✓ With minimal environmental impact
  - ✓ Under the best economic conditions
  
- Favouring the acceptance of the projects even if a strong action plan is needed to face the NIMBY principle
  - => 95 % of the right of way are obtained without procedures (amicable agreement)

