



# Natural Gas Facts & Figures

**New Approach & Proposal**

# Natural Gas Facts and Figures report

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## ● New organisation :

1. Coordination and steering by one member of the French team, Emmanuelle Wicquart Involved for updating the slide show annually
2. Report based on Triennial Works Program gas chain themes with a Scope of report therefore enlarged (*including items as UGS, LCA and maps*)
3. The Sources of informations issued from TOTAL & GdF-Suez databases and from TWP outputs, including present ppt.
4. Exchanges with WOC and PGC for update and validation
5. Output shaped in order to feed directly the Global Gas Portal

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# 1. Production and reserves

*Sources : Total G&P, WOC1, IEA, Ihs Cera,*

- Resources- Reserves
  - Conventional
  - Unconventional : types and reserves
- Countries, companies
- Costs of production
- New technics and advances ?? (undersalt, high depth, distant offshore)
- Environmental issues (as a specific part)

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## 2. Transmission

*Sources : WOC3 , Total G&P*

### Gas pipelines

- Main roads and infrastructures
- New projects
- Costs, losses, ..

## 3. LNG

*Sources : Total LNG group, PGCD special report*

- Trade movements
- Terminals for import, terminals for exports
- Liquefaction, regazeification
- Ships
- LNG by road, fluvial

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## 4. Underground Gas Storage

*Source : WOC2 database, (Cedigaz, IHS Cera)*

- Types of UGS,
- per countries : distribution, WGV, maps
- per type : distribution, WGV,
- TPA
- Projects
  
- ? Strategic LNG storage

## 5. Distribution

*Source : Woc4 and national websites*

- Grids & networks (characteristics)
- Companies ?
- Gas quality
- Smart grids
- TPA

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## 6. Utilisation

*Source : WOC5*

- Industrial uses
- Domestic and commercial uses
- Natural gas vehicles (SG 5.3)
- LNG vehicles



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## 7. Gas markets

*Source : PGCE, SGE1, Total G&P*

- See trading aspect : LT contracts, open-season
- Industrial aspect : Power generation, Industry
- Markets lists or map

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## 8. Environmental impact

*Source : PGCA, life cycle analysis*

- Life Cycle Analysis approach
- Impact effect for each step of the chain ( including uses)
- Greenhouse gases and others emissions
- Water management
- Energy efficiency (for all the chain)
- Gas advocacy

On distribution

sources WOC5, PGCF

## Renewable gases (or Bio gases)

- trends, new installations, new methanation techniques

## Hybrid solutions

gas heat pumps, solar plus gas

*Source : PGCF,*