



**NGVA**  
Europe  
for sustainable mobility

g-mobility platform

Concept presentation

Brussels, May 2018

- Natural gas as transport fuel  
*opportunities, synergies, roadmap to 2030*
- The g-mobility platform  
*why, which benefits, how it could operate*



**ENVIRONMENTAL  
PERFORMANCE**

**ENERGY SECURITY  
RENEWABLES**

**MISSION PROFILE  
AFFORDABILITY  
TCO**

**NATURAL GAS is AVAILABLE, AFFORDABLE, technologies are RELIABLE**  
Close to zero pollutant emissions  
Carbon neutral mobility with renewable gas



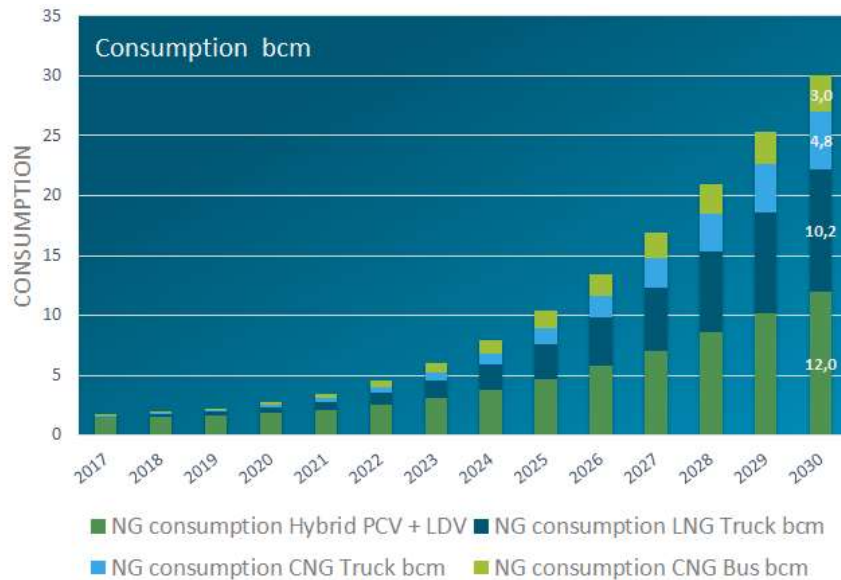
Urban bus & coaches natural gas solutions offer close to zero pollutant emissions and reduced level of noise.

Natural gas as « second » fuel for HD applications, both CNG and LNG

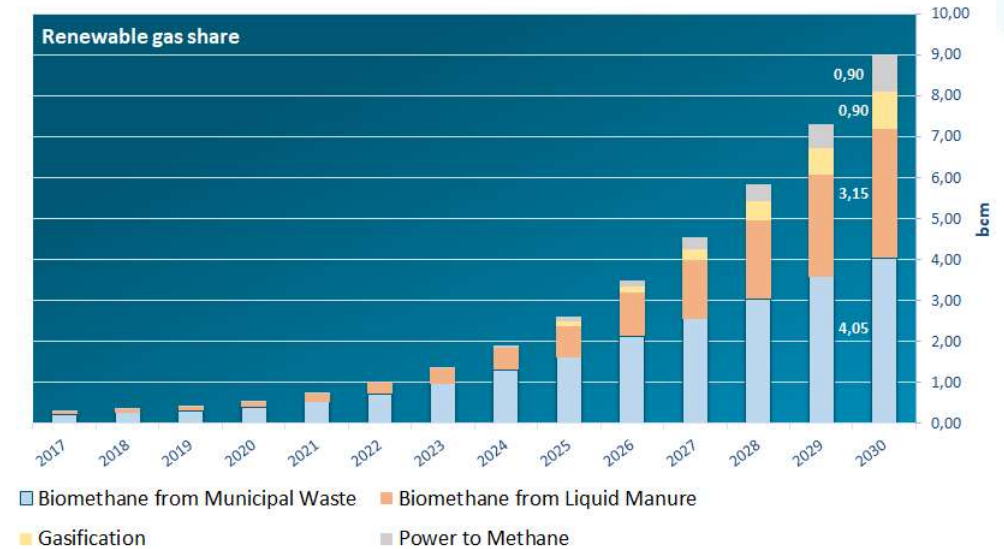
Clean fuels needed for PC & LDV, complementing the uptake of electric solutions



**Fleet size x 10 @ 2030**



**Overall Natural gas consumption  
from road transport  
30 bcm @ 2030**



**30% share from renewable gas  
9 bcm @ 2030**

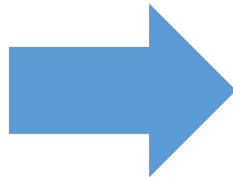
## Strong synergies with the maritime sector



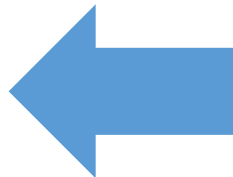


- Natural gas will play an important role supporting the transition towards a clean and sustainable transport system
- CNG, LNG, renewable gas are clean fuels able to cover a wide range of mission profiles, from urban areas to long haulage transport
- Interest in natural gas for the maritime sector is growing, especially w.r.t. LNG
- New technologies for high efficient dedicated engines, for advanced gas storage solutions, for renewable gas production processes are under development; natural gas is the cleanest fuel also suitable to support future vehicle hybrid architectures
- Industrial commitment and national policies are supporting a constant growth of the refuelling infrastructure, both for CNG and LNG distribution

**A platform as  
EU tool dedicated to**

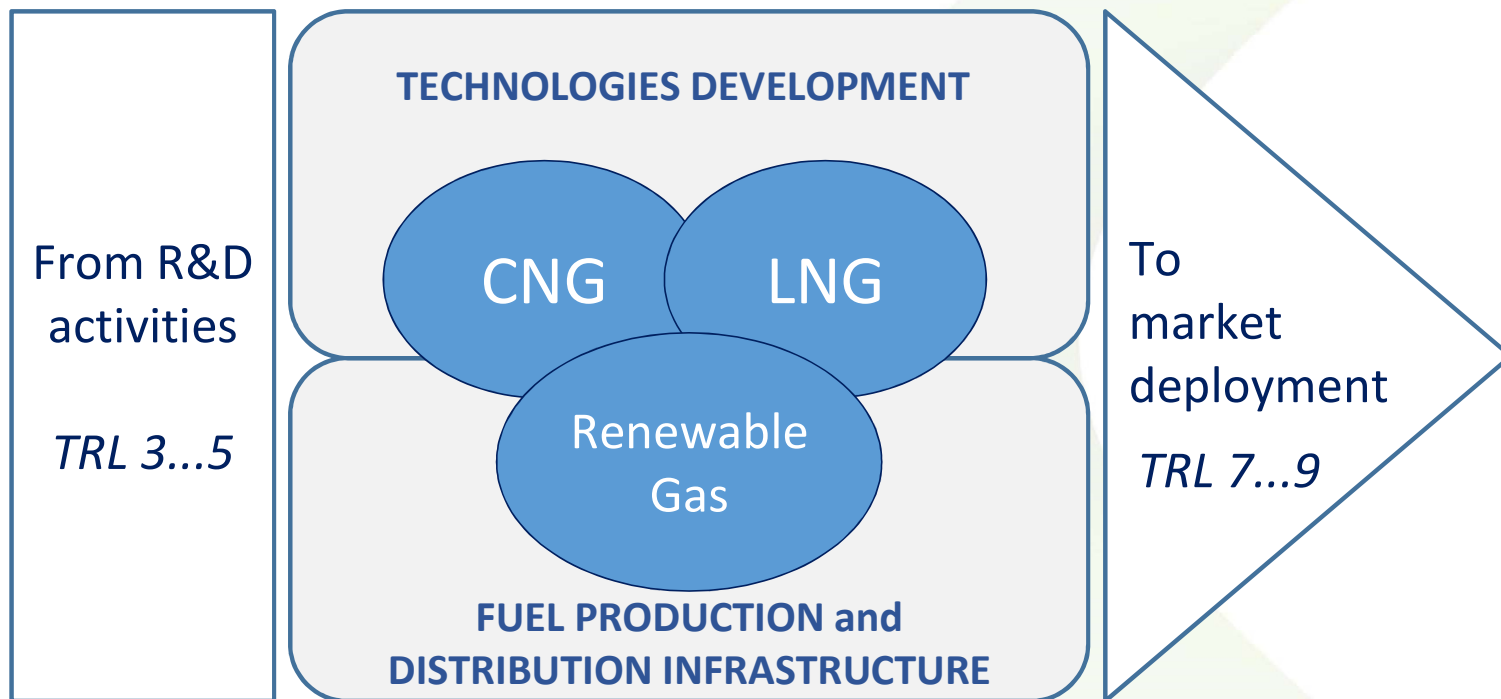


**A reference platform  
also w.r.t. national  
initiatives**



- **Monitoring the EU funded projects related to**
  - *renewable gas production process*
  - *refuelling infrastructure*
  - *technologies development*
- **Matching R&D activities and demonstration projects providing a common floor to H2020&FP9 and CEF projects as well as LIFE and INTERREG initiatives.**
- **Offering a common floor to road and maritime transport sectors, being able to liaise with other energy sectors (electricity, hydrogen)**
- **Facilitating synergies and cross-fertilization among projects and sectors**
- **Identifying technological and legislative barriers**
- **Supporting dissemination through dedicated workshops/events**
- **Optimizing the financial support from the EU Commission**





The aim is to create a functional tool

### **1 - to stakeholders**

- to be informed about new EU funding opportunities
- to be aware of already existing projects
- to receive information about project progresses and results
- to have additional opportunities for dissemination
- to search for new partnership and technology scouting

### **2 – to the EU Commission**

- to have a common and continuous monitoring from project outcomes
- to better identify research needs
- to better identify legislative bottlenecks
- to liaise different transport sectors (road and maritime)
- to optimize the EU financial support



The platform does not aim to finance projects but to act under a scheme that could be correspondent to the CSA (Coordinating and Supporting Actions) as under H2020.

Duration and scheme of such an initiative are to be discussed

NGVA is available to take the lead of this initiative within the overall target to strengthen the role of natural gas as transport fuel.

Involvement of other associations needed to complete the representativeness of the platform is also possible.





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