Summary

• Natural gas as transport fuel
  opportunities, synergies, roadmap to 2030

• The g-mobility platform
  why, which benefits, how it could operate
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

Source: GLE New LNG Services Inventory, May 2017

Small Scale LNG bunkering

Source: GLE New LNG Services Inventory, May 2017
A long term role of natural gas in the transport scenario

- 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 committment and national policies are supporting a costant growth of the refuelling infrastructure, both for CNG and LNG distribution.
Why the g-mobility platform

A platform as EU tool dedicated to

- 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

A reference platform also w.r.t. national initiatives
A common floor to interdisciplinary projects

From R&D activities

TRL 3...5

TECHNOLOGIES DEVELOPMENT

CNG

LNG

Renewable Gas

FUEL PRODUCTION and DISTRIBUTION INFRASTRUCTURE

To market deployment

TRL 7...9

Brussels, May 2018
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.