

Task Force D: Removing barriers to the use of NG as a transportation fuel

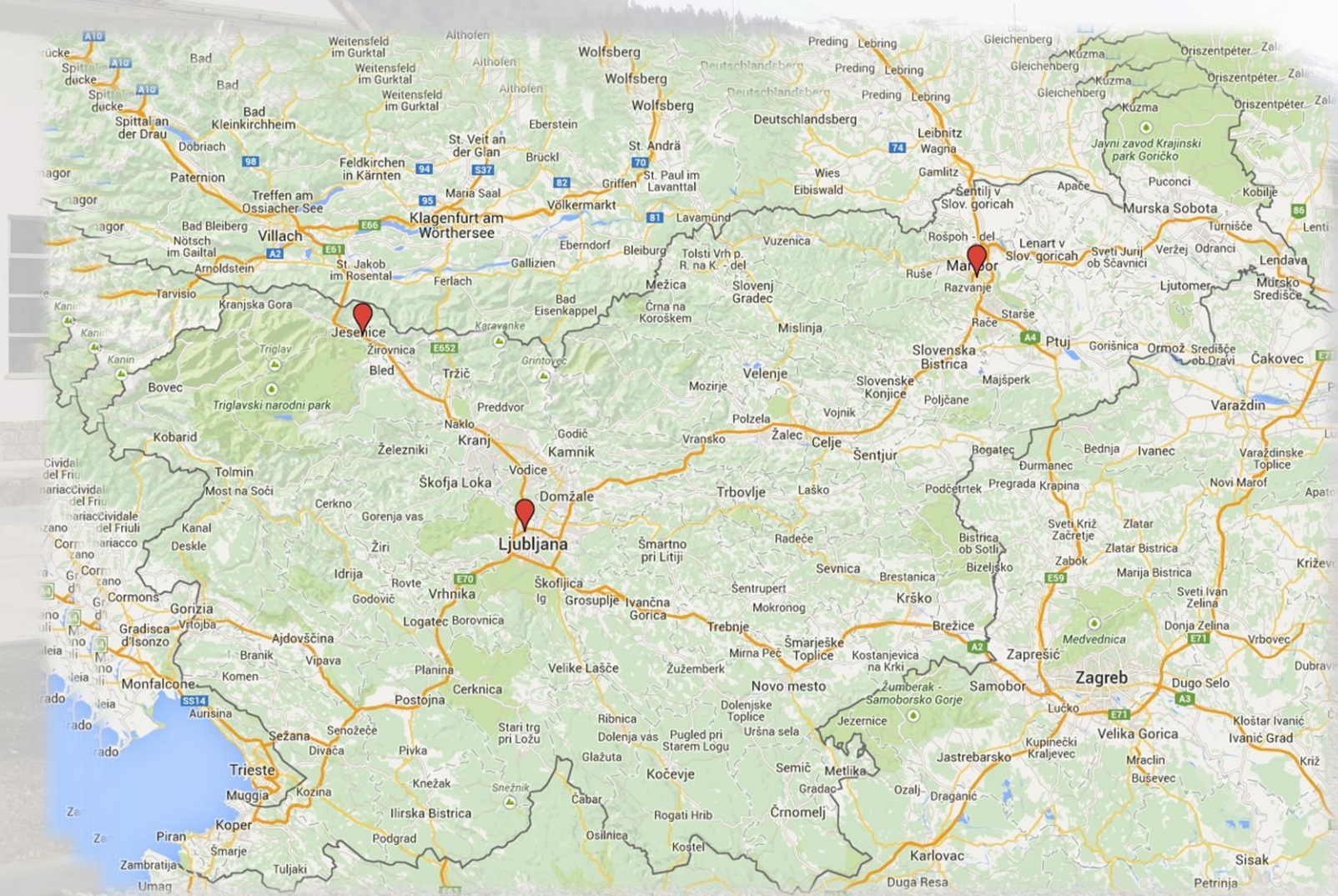
Compressed natural Gas in Slovenia

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Enos, d.d.
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Jesenice, January 2015

CNG Stations



CNG Stations and vehicles

Enos, d.d.

- 45 Sm³/h
- 12 cars
- 1 van

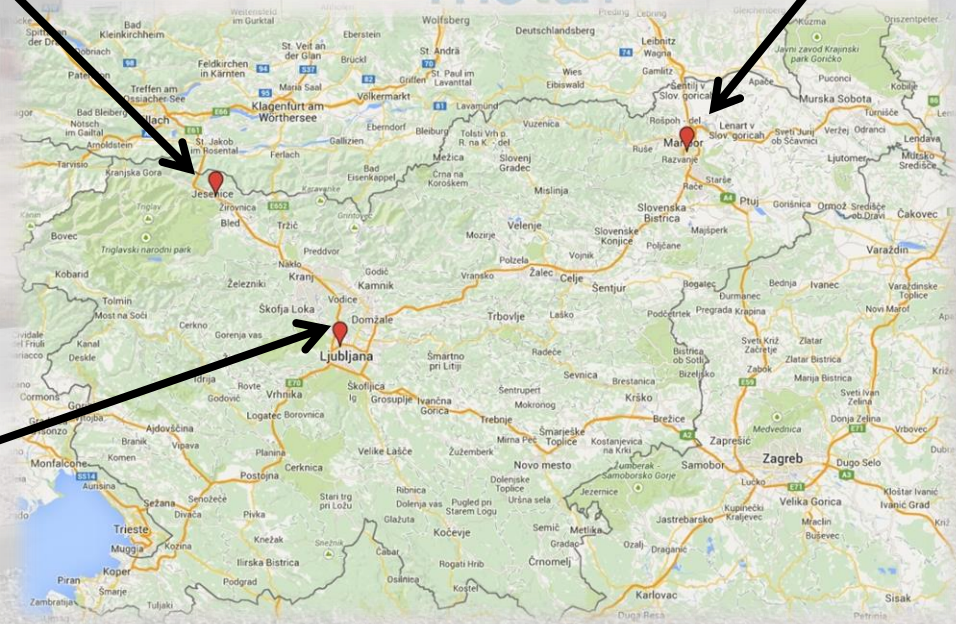
Energetika

Maribor d.o.o.

- 210 Sm³/h
- 13 cars
- 9 buses

Energetika Ljubljana d.o.o.

- 1000 Sm³/h
- 83 cars
- 5 MD trucks
- 40 buses



CNG Stations and vehicles

Total:

- 3 stations
- 1255 Sm³/h
- 108 cars
- 1 van
- 5 MD trucks
- 49 buses



Chicken or egg dilemma



CiViTAS
Cleaner and better transport in cities

ELAN

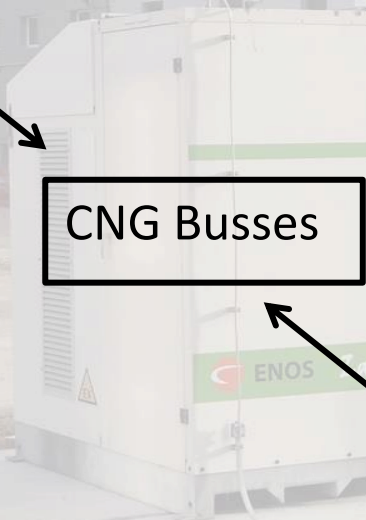
BRNO • GENT • LJUBLJANA • PORTO • ZAGREB



EU subsidy

CNG Busses

CNG station



Trademark aim:

- Raising public awareness (safety issues, environmental issues, etc.)



Fuel price comparison

	Diesel [€/L]	Gasoline 95 [€/L]	Gasoline 100 [€/L]	LPG [€/L]	CNG [€/kg]
Price without contributions	0,47255	0,42846	0,44896	0,4718	0,790458
Contribution for efficient use of energy	0,004	0,006	0,006	0,00909	0,00734
Contribution for renewable energy sources	0,00996	0,00916	0,00916	0,00724	0,006931
Excise duty	0,44971	0,55425	0,55425	0,07242	0,135095
Environmental duty on CO ₂ emission	0,04493	0,04147	0,04147	0	0,040176
Tax (22%)	0,21585	0,22866	0,23316	0,12407	0,2156
Total	1,197	1,268	1,293	0,68462	1,1956

Source: Petrol, 9.1.2015;
Enos, 9.1.2015

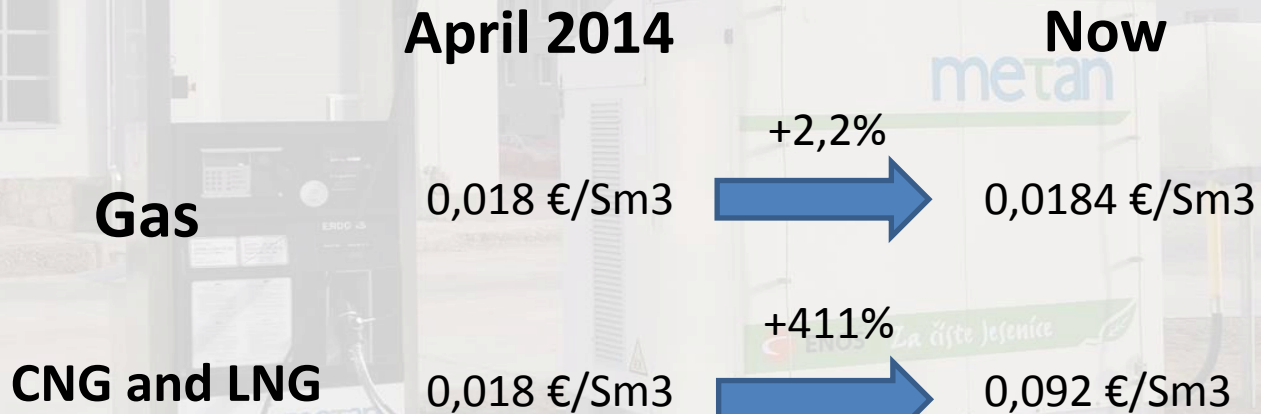
Fuel price comparison [€/kWh]

	Diesel	Gasoline 95	Gasoline 100	LPG	CNG
Price without contributions	0,047484	0,04886912	0,0512073	0,068057	0,056863
Contribution for efficient use of energy	0,000402	0,00068435	0,0006843	0,001311	0,000528
Contribution for renewable energy sources	0,001001	0,00104477	0,0010448	0,001044	0,000499
Excise duty	0,045189	0,06321642	0,0632164	0,010447	0,009718
Environmental duty on CO ₂ emission	0,004515	0,00472997	0,00473	0	0,00289
Tax (22%)	0,021689	0,02608041	0,0265937	0,017897	0,01551
Total	0,120279	0,14462504	0,1474765	0,098757	0,086007

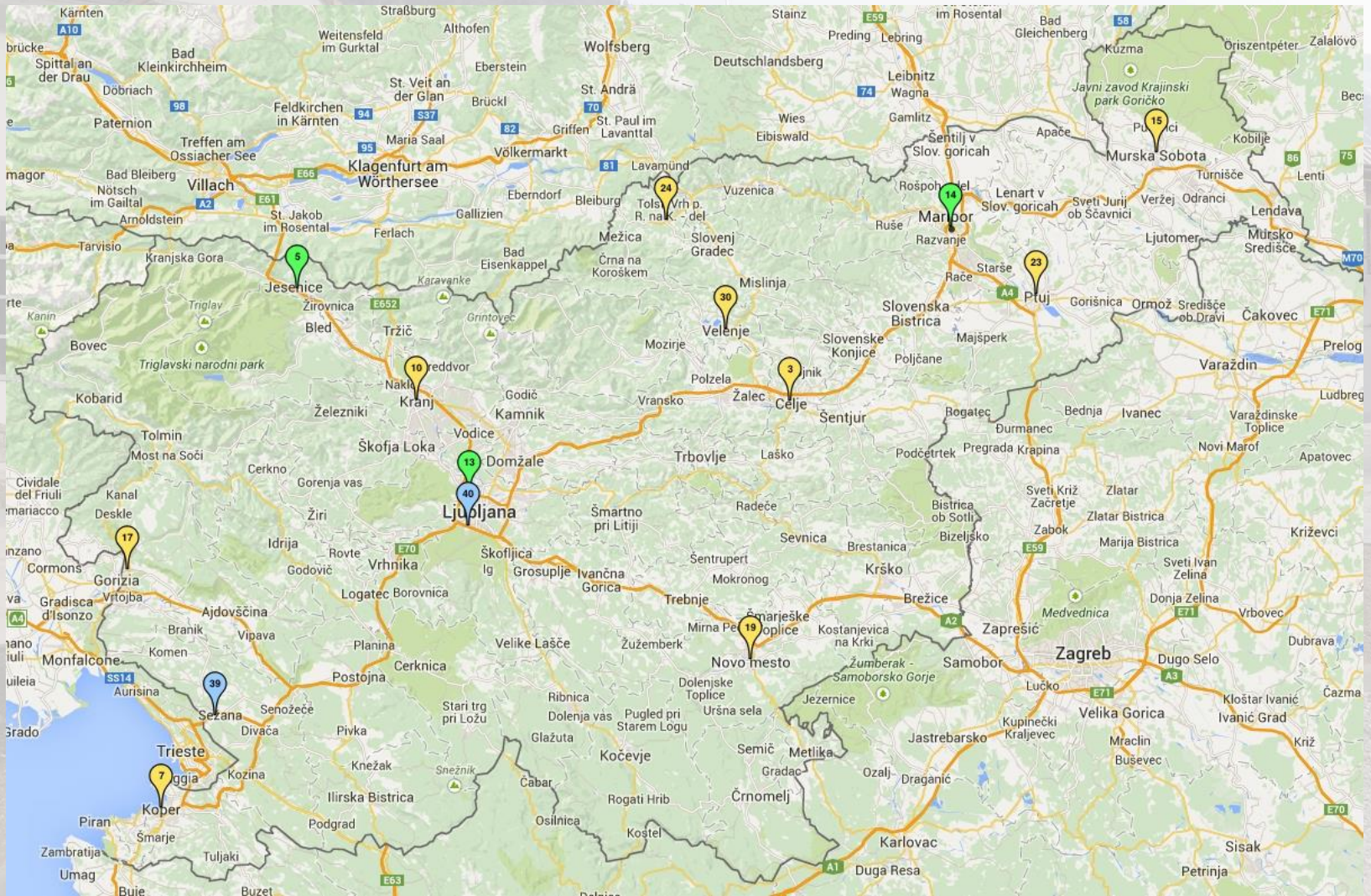
Source: Petrol, 9.1.2015
Enos, 9.1.2015

Unpredictability

Excise duty:



Core infrastructure



Conclusion

Barriers:

- Lack of infrastructure
- Cost competitiveness
- Unpredictability