

4th Plenary Energy Challenges in Transport

Wed 9-10.30

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Some Figures (I)

Final Energy Consumption 2015 (MTOE)

	ALL SECTORS	INDUSTRY	TRANSPORT	Road	Railways	Air	Domestic navigation	Consumption in pipeline transport, etc.	HOUSEHOLDS, SERVICES, ETC.	Households	Agriculture	Services, etc.
EU-28	1084.0	274.7	358.6	294.0	6.2	51.3	4.5	2.6	450.6	275.2	24.7	150.8
Share	100%	25%	33%	82%	2%	14%	1%	1%	42%	61%	5%	33%

Source: EU Transport in Figures, 2017

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Some « Green » Figures (II)

Biofuels production 2015 (MTOE)

	TOTAL	Biogasoline	Biodiesel	Other liquid biofuels (*)
EU-28	13 660.8	2 176.5	11 085.1	399.2

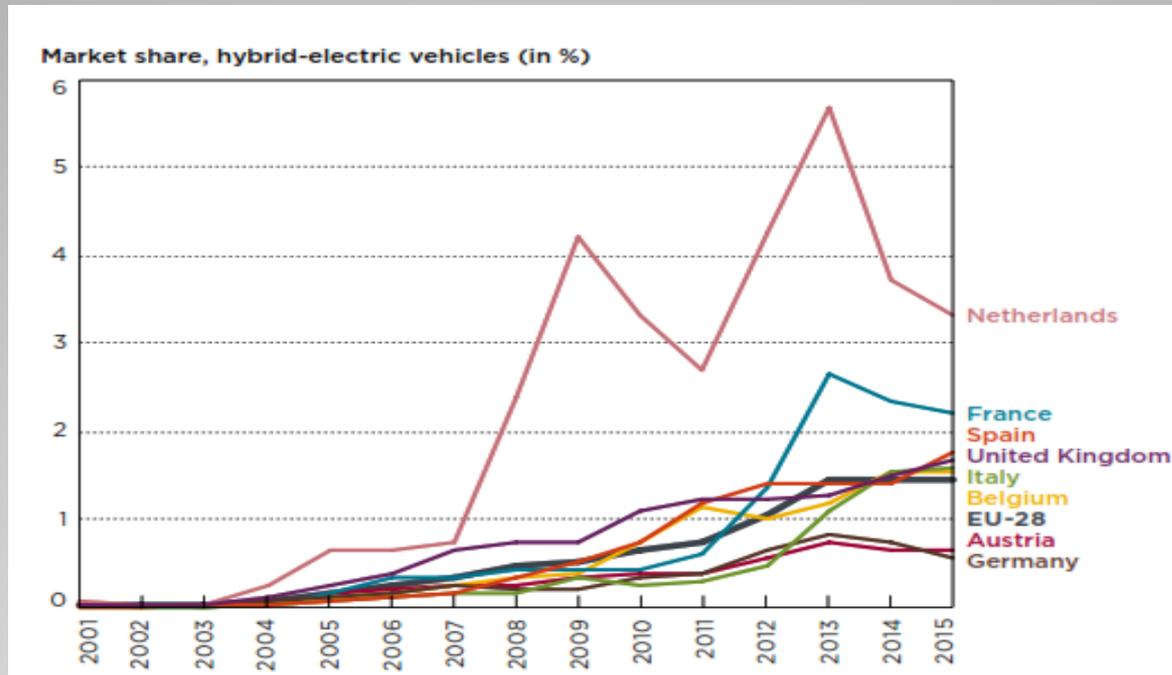
GHG Emissions from Transport Million Tonnes CO2 eq s2015

	1990	1995	2000	2005	2010	2014	2015
EU-28	961.4	1 034.4	1 168.6	1 263.3	1 222.3	1 165.2	1 182.9

Source: EU Transport in Figures, 2017

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Some « Green » Figures (IV)



Source: European Vehicle Market Statistics, 2017

Energy Challenges in Transport

- Speakers

- Stef Proost, KU Leuven

- Mads work focuses on competition and regulation of energy markets and transportation economics

- Mads Greaker, Statistics Norway

- Mads work focuses on design of climate agreements, climate policy and induced technological change, trade and the environment.

- Yannick Perez, Centrale Supelec and Chaire A. Peugeot

- Yannick work focuses on market desing of electricity markets and on clean technologies in transport

Energy Challenges in Transport

- Main questions that we will address
 - Oil in transport: phasing out thanks to road and carbon taxes?
 - Biofuels in transportation: is the transition doable? At which costs?
 - Electromobility: which conditions for electric vehicles deployment? Which complementarities with electricity markets?

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Some Figures (Appendix)

Final Energy Consumption by mode 2015 (MTOE)

TRANSPORT	284.4	306.8	344.7	369.3	364.2	352.6	358.6
Rail	8.2	8.2	8.1	7.6	7.1	6.2	6.2
Road	238.5	256.5	283.8	301.8	299.6	290.0	294.0
International aviation	24.2	29.5	38.6	43.4	43.0	44.2	45.8
Domestic aviation	5.3	4.7	6.4	6.6	6.3	5.3	5.5
Domestic navigation	6.5	6.2	6.0	6.8	5.9	4.2	4.5
Consumption in pipeline transport, etc.	1.7	1.6	1.9	3.2	2.4	2.7	2.6

Source: EU Transport in Figures, 2017

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