

Bus fleet renewal through deployment of clean and efficient vehicles

EU COMMISSION – EIB (JASPERS) – UITP WORKSHOP

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DAIMLER

IVECO



SCANIA



VOLKSWAGEN

AKTIENGESELLSCHAFT

VOLVO



A NEW ERA HAS BEGUN...

Cities to change
to obtain better
quality of life

New
innovations

Autonomous
driving

Digitalization

Automotive
towards
Electric

Infrastructure
in changing
mode

Low emission
zones

OVERALL CHALLENGES IN THE SOCIETY VS. WHAT CAN WE DO?

Society challenges

- Reduction of Green House Gases
- Improving Air Quality
- Improving Quality of Life (including Noise levels etc)
- High health cost in general terms due to pollutions etc



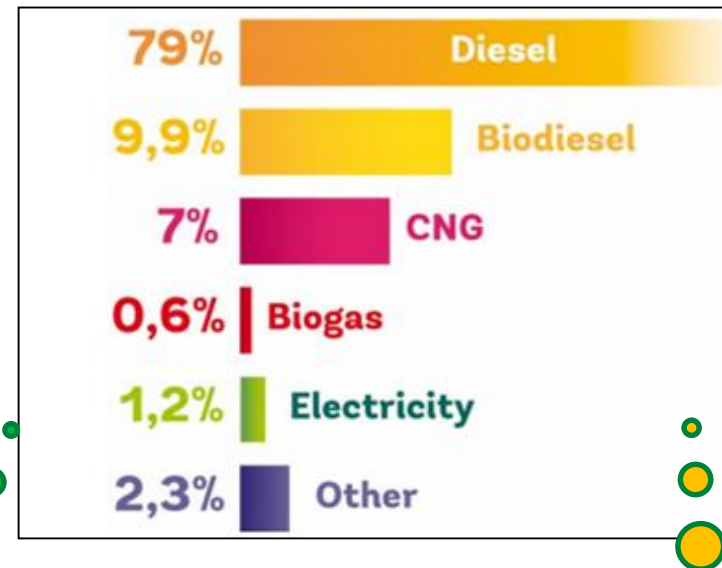
What can we do together?

- Improving Public Transport (modal share)
- Improving bus image/attractiveness (bus systems)
- Investments in low/zero emission bus systems

- ACEA BUS MANUFACTURER'S
 - Part of large industrial groups with high reputation
 - Employers of many 100.000's only in Europe
 - Long term presence in the market
 - Extensive european service network (including parts supply)
 - Extensive investments in future technologies
 - Manufacturing of complementary technologies with focus on low/zero emission buses with low noise
 - Long term partners with the majority of PTA's and PTO's

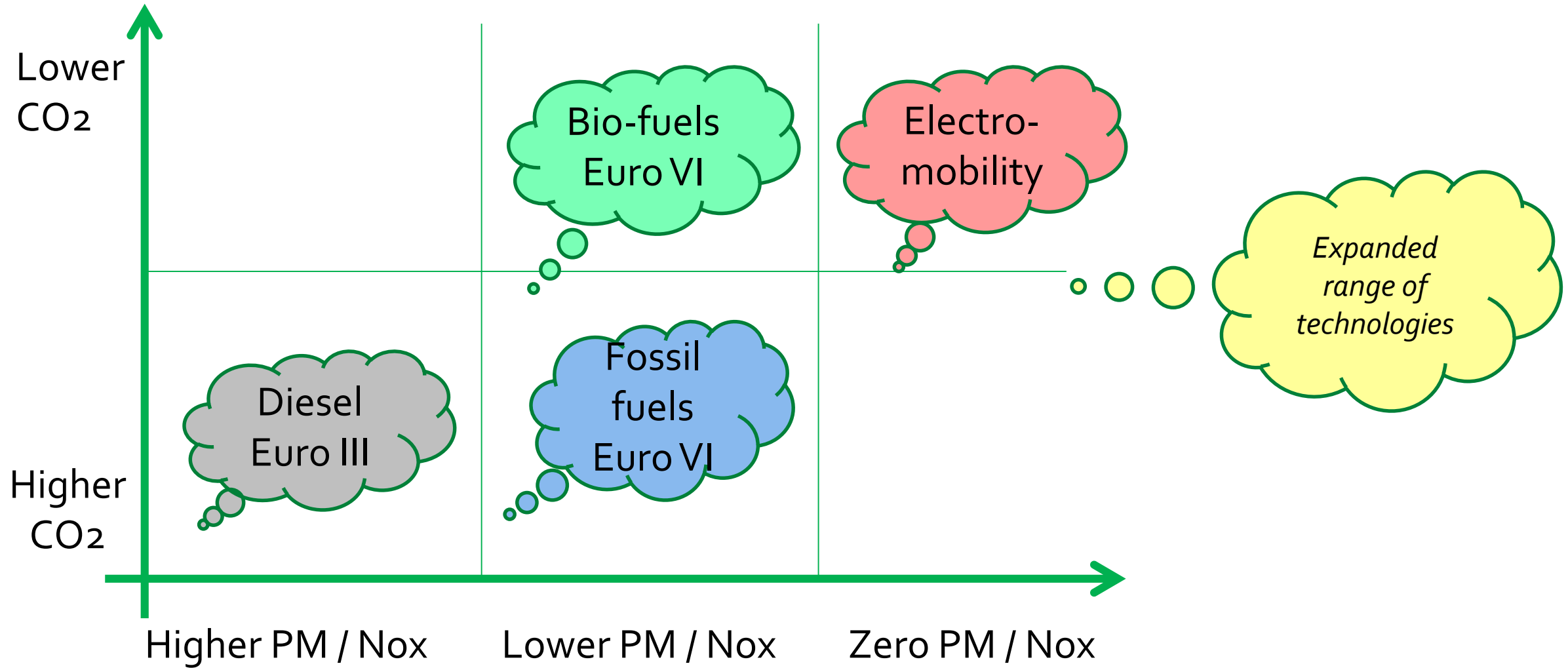
Buses & Coaches
registrations:
~28.000/yearly

European Bus Fleet 2013 (UITP)



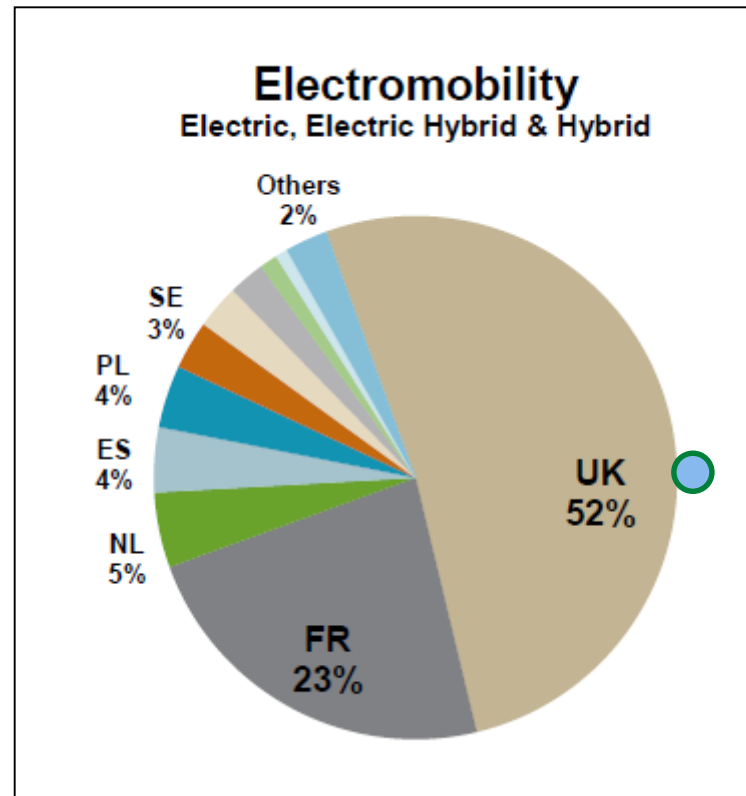
Estimation 2017:
75% Diesel Buses

Estimation 2017:
40% Diesel Euro
III and older



CURRENT SITUATION – PURCHASE PATTERNS 2014-2017

Around 5.700 Electromobility buses registered in Europe 2014-2017



UK leading market in Electromobility (partly due to installment of Green Funds early)

ACEA INDUSTRY CHALLENGES

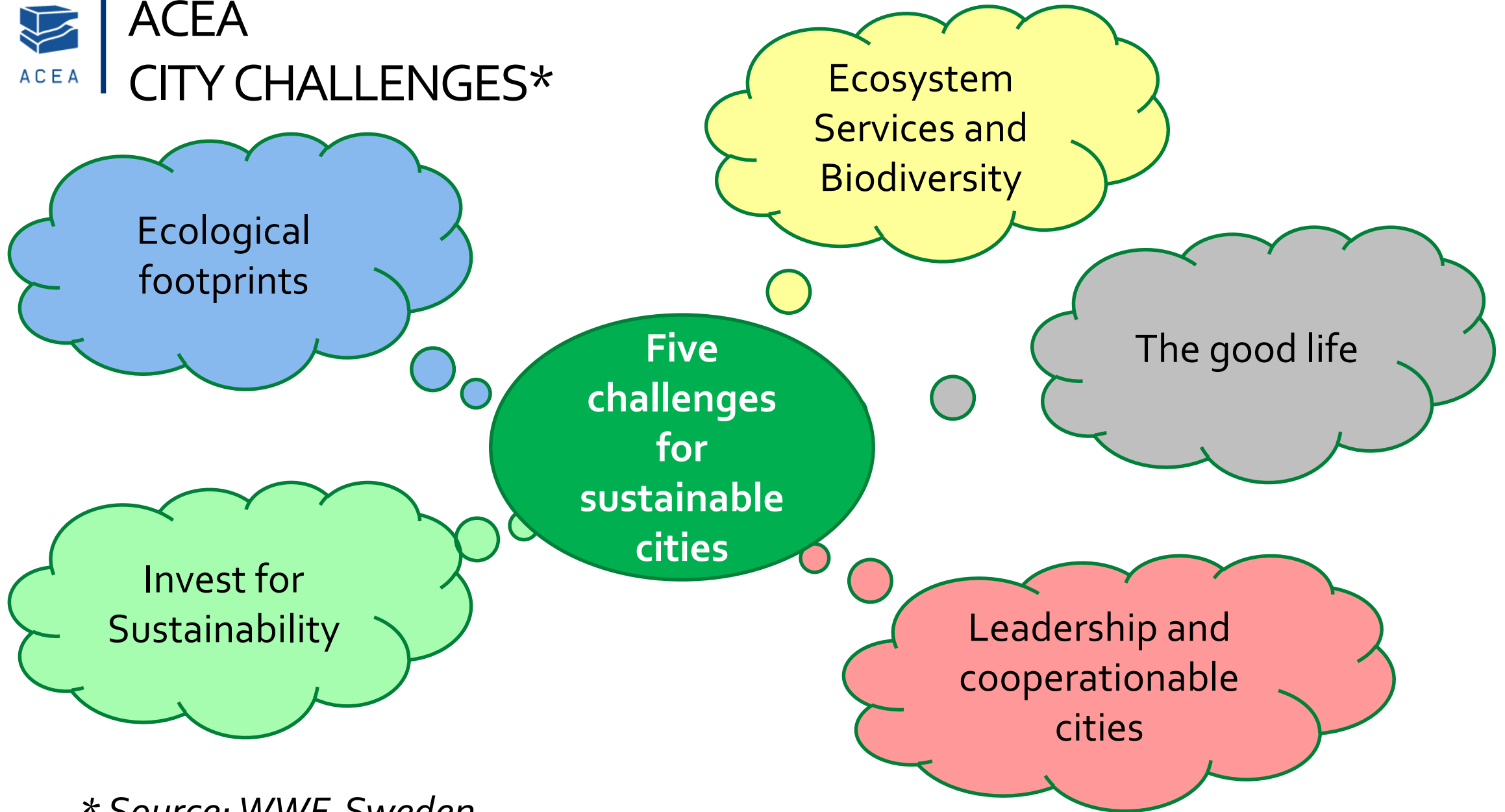
Heavy investments in Euro VI technologies

Heavy investments in Electromobility

New business models in Electromobility

New players in Electromobility

Change from Euro norm legislations to new long term directives/targets from EU Commission



* Source: WWF Sweden



ACEA CITY CHALLENGES*

Ecological
footprints

Transport, food and housing

** Source: WWF Sweden*



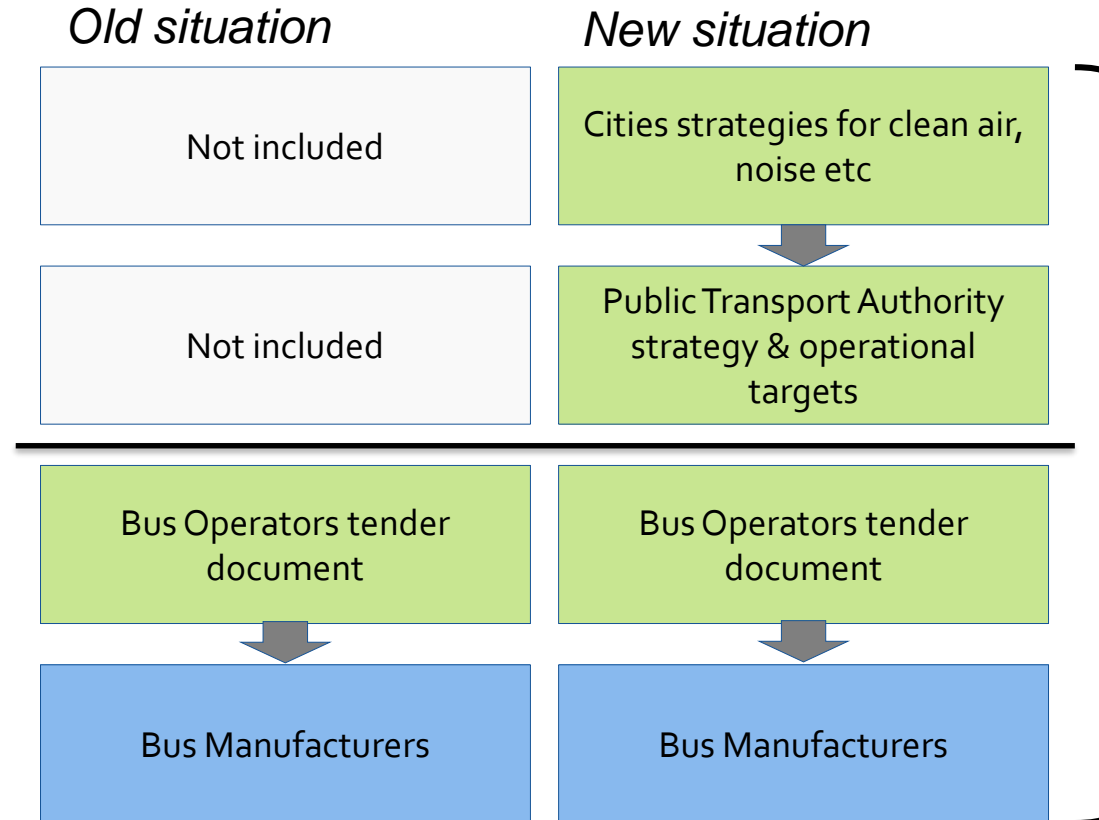
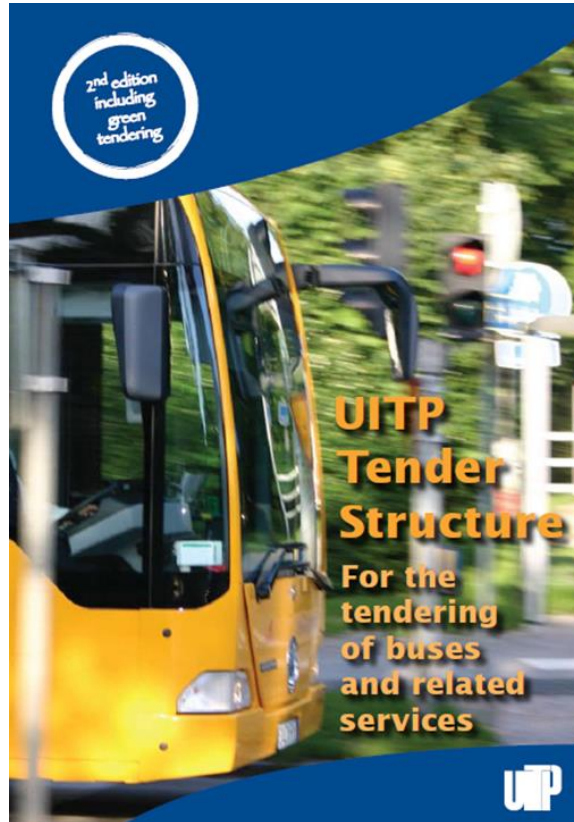
ACEA CITY CHALLENGES*



- Investment in infrastructure
- Develop smarter cities
- Demand new solutions
- Promote green procurement

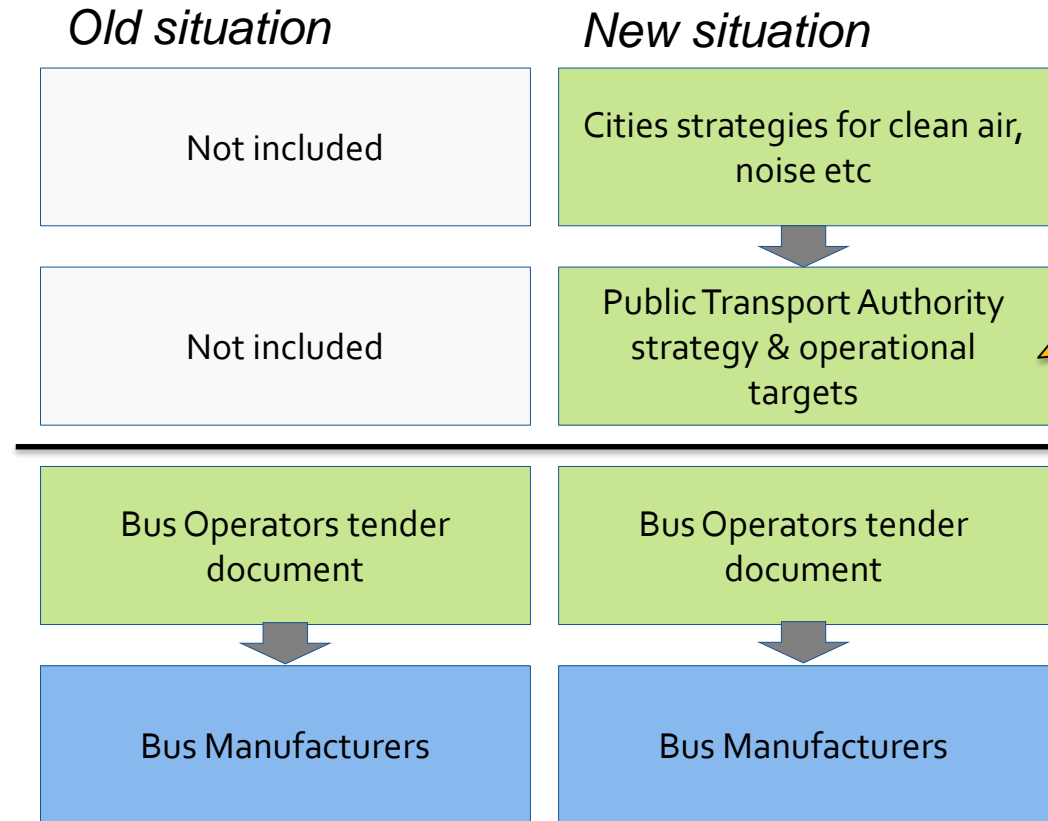
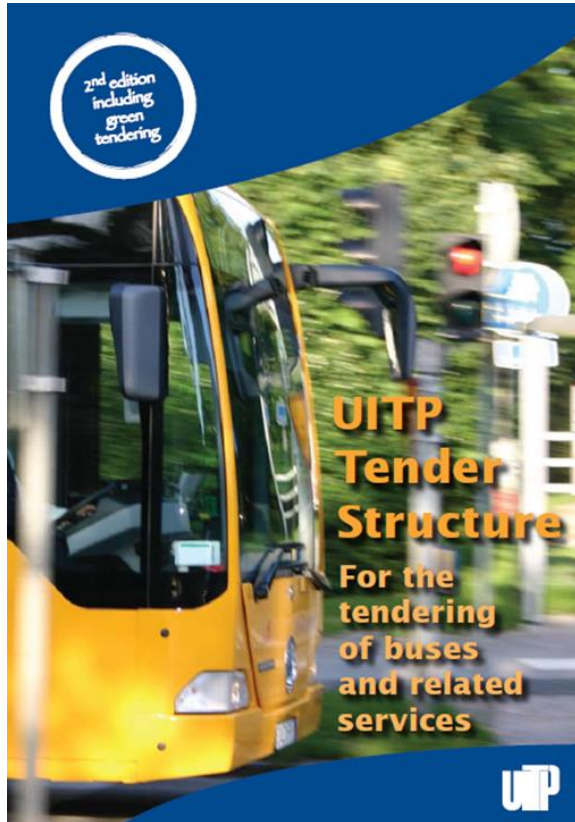
** Source: WWF Sweden*

ACEA CHALLENGES – NEW BUSINESS MODELS



Many more and new partners involved in Electromobility business

ACEA CHALLENGES – NEW BUSINESS MODELS



Items to consider:

- Bus systems
- Business models
- Subsidies
- Financial instruments
- Green funds
- Infrastructure study/investments
- Vehicle age structure
- GPP
- Noise
- LCC
- *And more...*

- Improving Public Transport modal share (cost effective bus systems & attractiveness of new bus models)
- Investments in sustainable Public Transport
- Investments in infrastructure for Electromobility
- Financing, funding & subsidies needed for acceleration of bus fleet renewal
- Improving quality of life (air quality, noise and others)

More Information

For info or further questions on this seminar and the activities of the JASPERS Networking Platform, please contact the JASPERS Networking and Competence Centre at the following email:

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JASPERS Networking Platform:

www.jaspersnetwork.org

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