



Public hearing on European strategy on clean and energy-efficient vehicles

Federation of European Motorcyclists Associations

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Philip Vogt
Communication & Policy Assistant



Inefficient characteristics of Cars

- Average number of car passengers: 1.58*
- Average weight of a car: 1.000 – 1.300 kg
- Space occupancy of a car: easily 7 m²
- Energy required for production and recycling
- Damage of road surface



*Scottish Household Survey 2010: Travel Diary Results



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Efficiency advantages of PTWs

- Weight of motorcycles and scooters: 150-210 kg and 80-100 kg
- Rolling resistance, contact patch
- Space occupancy
- Damage of road surface
- Energy and resources required for production
- Affordability



Clean and energy-efficient vehicles



Clean and energy-efficient vehicles

- Availability
- Affordability: from €1.500 on
- Promotion of eBikes in the US and China
- Forecast*: 466 Million electric powered two-wheelers in 2016



*Pike Research
2010: Electric Two-
Wheel Vehicles





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Conclusion

- PTWs are the most energy-efficient means of motorized personal transport
- PTWs can solve transport problems, especially in densely populated areas
- Existing engine technology holds potential for improvement
- Production of alternative engine technologies should be incentivized
- Policies should aim at improving conditions for users of PTWs





**Thank you for your
attention!**

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