

ECRAN Climate
WG Transport related clima legislation
Albania, Tirana,13 and 14 April 2016



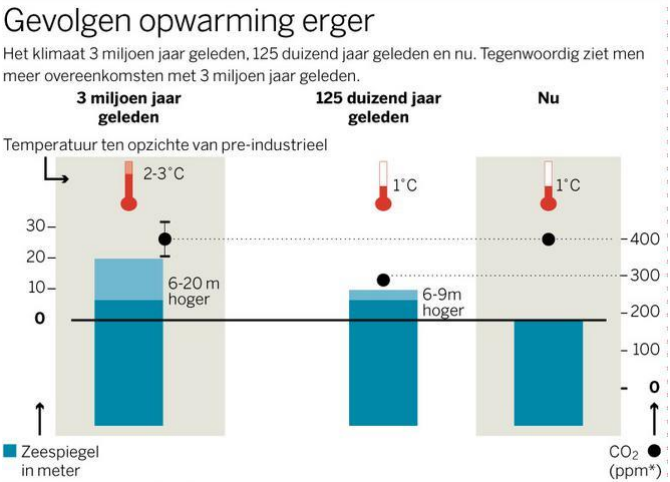
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Enviroment and Climate
Regional Accession Network **ECRAN**

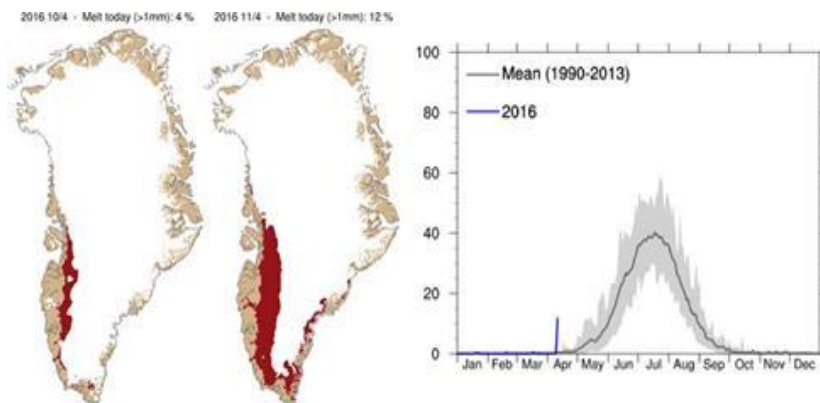
The need to keep temperatures well below 2C



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Regulation (EC) No 443/2009: Emission performance standards from new passenger cars

Article 9: Excess emissions premium

- From 2012 onwards for which a manufacturer's average specific emissions of **CO₂** **exceed** its specific emissions target in that year, the **Commission shall impose an excess emissions premium** on the manufacturer or, in the case of a pool, the pool manager.
- From 2012 - 2018

→ < 1 g CO ₂ above target	5 €
→ 1 – 2 g CO ₂ above target	15 €
→ 2- 3 g CO ₂ above target	25 €
→ More than 3 g CO ₂ above target on	95 €/g

 multiplied by number of vehicles sold
- Example when excess is 5 g CO₂/km, 3 million cars
 - ((Excess - 3 g CO₂ /km) x 95 €/g CO₂ /km + 1 g CO₂ /km x 25 €/g CO₂ /km + 1 g CO₂ /km x 15 €/g CO₂ /km + 1 g CO₂ /km x 5 €/g CO₂ /km) x number of new passenger cars
 - = ((2 x 95) + 25 + 15 + 5) x 3 million cars
 - = 235 x 3 million
 - = Excess 5 g, 3 million cars. **705 million Euro**





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Directive 1999/94/EC: CO₂ labelling of cars
Article 6



Engineering For Enthusiasts?

The ACEX DS2. With its acclaimed dynatronic V6 engine, multiplex suspension, the triptronic gearbox and Italian styling, its far more than just an engineer's dream!

Fuel economy figures for the Acex mpg (l/100km). Urban 18.7 (15.1), extra urban 36.4 (7.8), combined 27.0 (10.5), CO₂ emissions 249 g/km


Costs with metallic paint (€650), on the road price €38,650 – prices and publication details correct at the time of going to press

Slogan


Main text

The Fuel Consumption and CO₂ information is produced using smaller font than main text

Additional information





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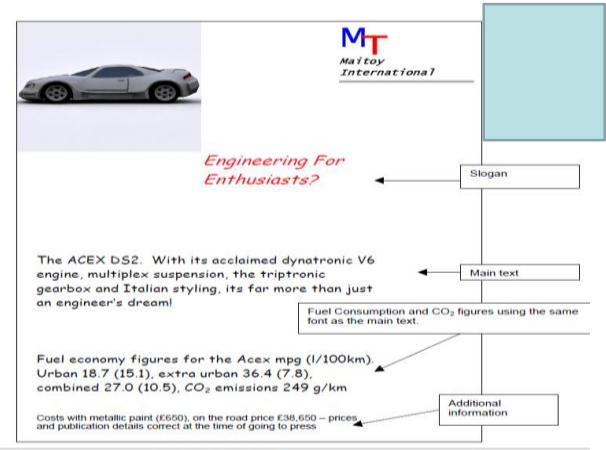


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Not Acceptable

Directive 1999/94/EC: CO₂ labelling of cars
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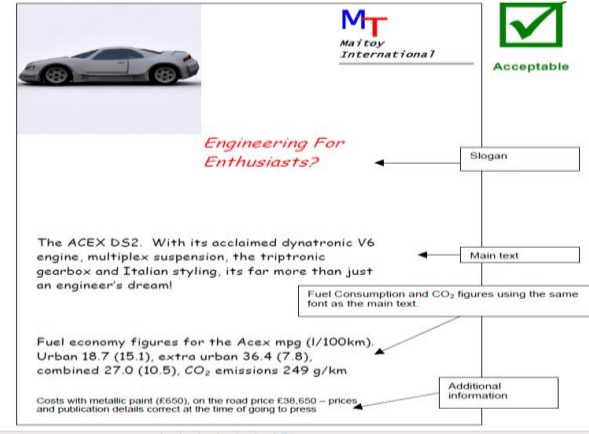


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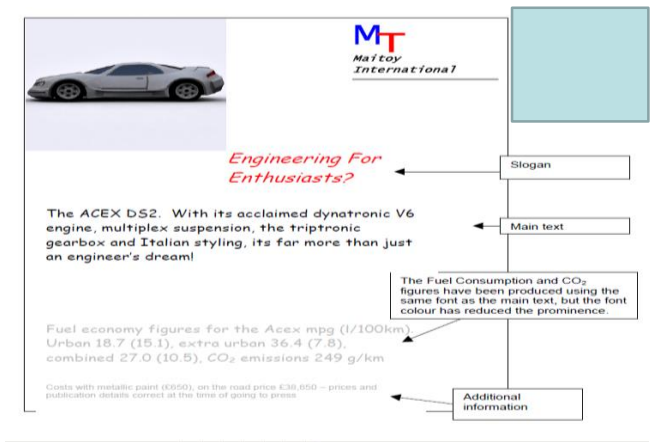


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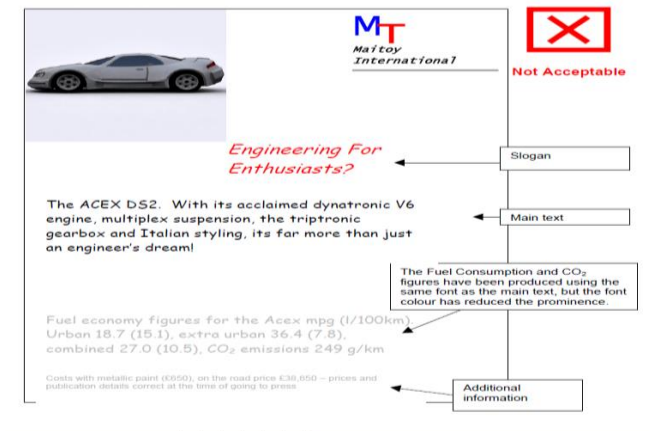


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only 31% correctly identified the fuel efficiency of the car

The right car for you

The new Marko is out now
Special offers available

Fuel consumption figures in mpg (l/100km): Marko range: urban 51.4-45.6 (5.5-6.2), extra urban 72.4-62.8 (4.4-4.5), combined 62.9-55.4 (4.5-5.1), CO2 emissions 106-119g/km



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whereas 56% were able to do so on for the advert that contained the label.

The right car for you

The new Marko is out now
Special offers available

CO ₂ emissions and fuel economy	
	F 68.0 g/km
Fuel consumption (l/100km): urban 12.8, extra urban 6.2, combined 8.2	
CO ₂ emissions (g/km): urban 235, extra urban 120, combined 177	
Marko	
Petrol	1754-1938
Class	A+/B
Price	£1,921
MPG	62.8
CO ₂	106
Warranty	3 years / 50,000 miles
Financing	£197 - 224



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Directive 98/70/EC on the quality of petrol and diesel fuels

Article 7D: Calculation of life cycle greenhouse gas emissions from biofuels

Annex IV presents detailed methodology (Also in Annex V of the RE Directive)
Total emission from the use of the biofuel

$$E = e_{ec} + e_l + e_p + e_{td} + e_u - e_{sca} - e_{ccs} - e_{ccr} - e_{ee}$$

$GHG\ Saving = (E_F - E_B)/E_F$ (Min 60%, in 2018)

Where E_F = emissions from the fossil fuel comparator

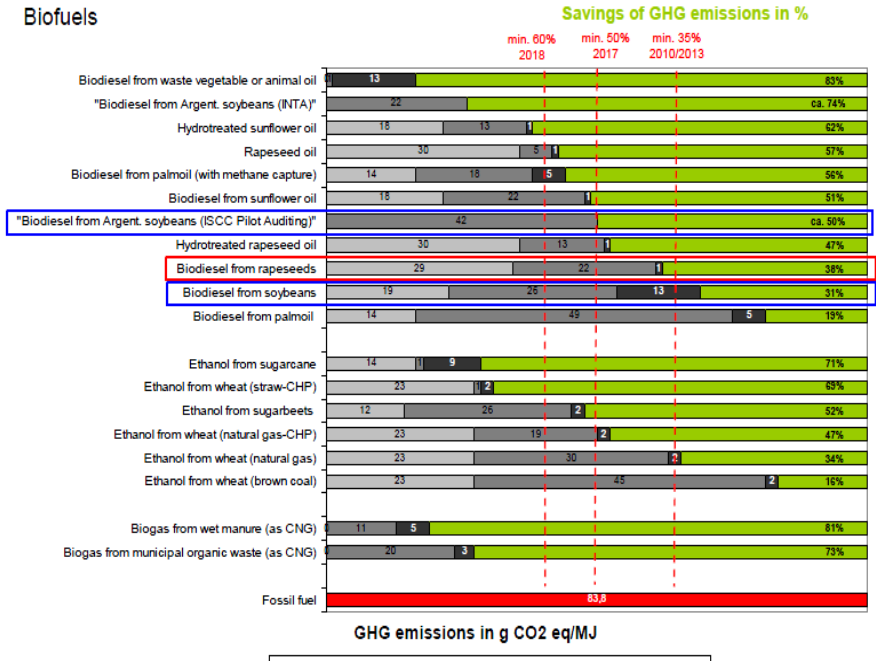
- Main uncertainties
- Indirect land use change effects are not included
 - Allocation of emissions between fuel and co-product
 - N2O emissions



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Environment and Climate
Regional Accession Network **ECRAN**

Thank you



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