

"II Metano"

Ravenna 02-12-05

Towards clean mobility:

...some remarks from Bremen...

Michael Glotz-Richter, City of Bremen

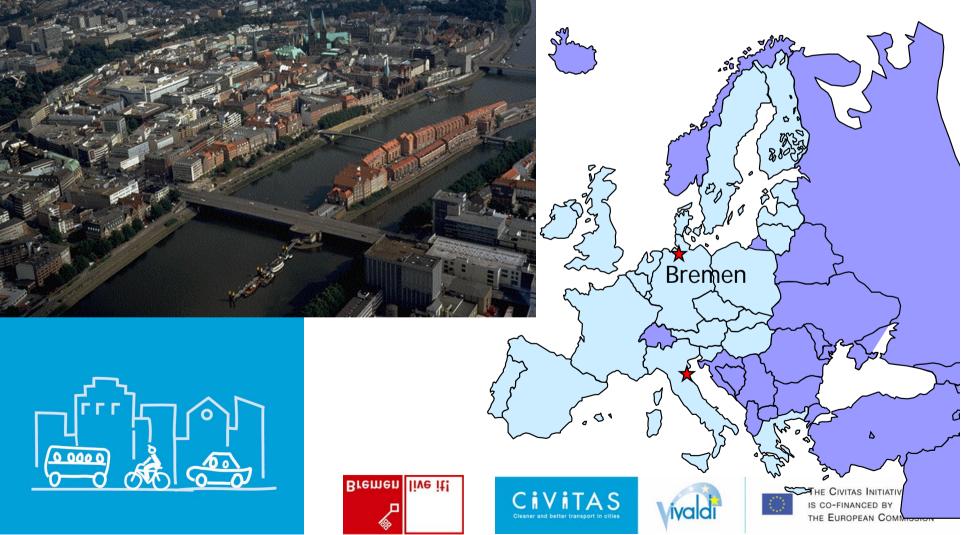








Bremen in Europe





Bremen in Europe





Free Hanseatic City of Bremen 540.000 inhabitants (city)

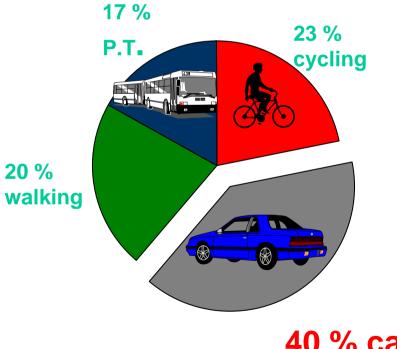




Modal-split

Bremen city dwellers

60 % altern. modes



Vivaldi

CiVITAS

Bremen live it!





Air Quality Problems



THE EUROPEAN COMMISSION



- Concentration on CNG
- Achieve market breakthrough (number of vehicles → impacts)
- targeting vehicles with high inner-city mileage (improve air quality)









- Integrating all players along the local product chain:
 - energy provider
 - car dealers and producers
 - fueling infrastructure
 - multipliers (guilts, media, VIPs,...)
 - administration/politicians





- Campaign "Bremer Offensive – Das Erdgasfahrzeug" (CIVITAS Vivaldi project)
- Incentive Programme



- Targeted information for
 - potential corporate customers
 - private households
 - car dealers



Sparsam. Sicher. Sauberer.

... jetzt auch für Gewerbetreibende

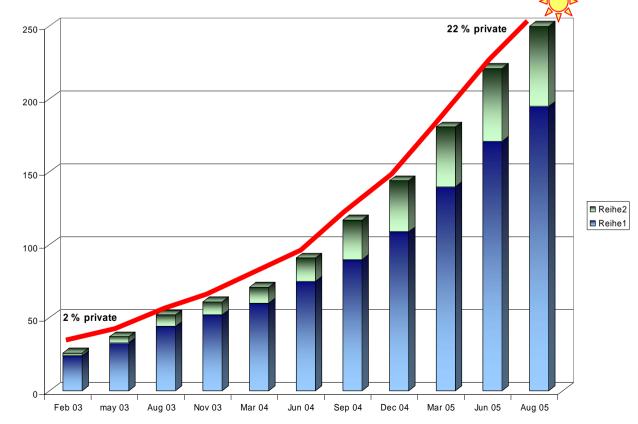


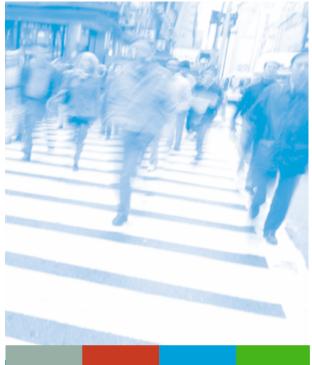
Bis zu 2.500 € Zuschuss für Erwerb/Umrüstung auf ein erdgasbetriebenes Fahrzeug bis 3,5 t



Bremen strategies

Ongoing promotion upto now 330 applications (Status 31 Oct 2005)





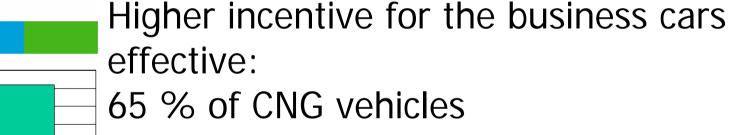
75 70

65 60

55 -50 -45 -40 -35 -30 -

Bremen strategies

Promoting CNG cars for business use:



71% mileage driven



mileage

CNG vehicl.



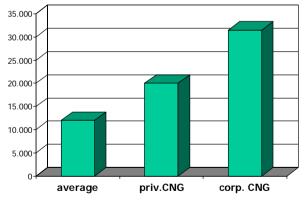






Promoting CNG cars for business use:

Annual mileage (average: 12,000 km)





- of private CNG users: 20,000 km
- of business CNG users: 31,500 km

mainly replacing Diesel vehicles !







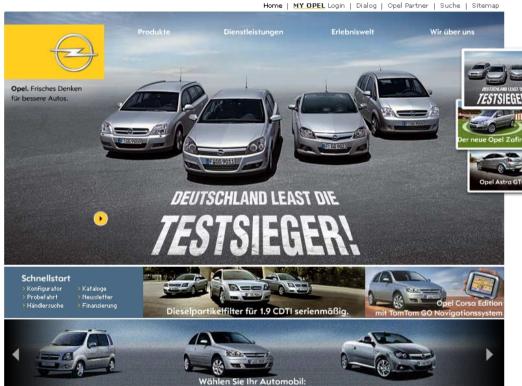


Unloved child ?

Opel Agil

Opel Combo Tour

Opel Astra



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CNG types ????..









Opel Corsa

Copel Meriva







Neuer Opel Astra Caravan

van 🔹 Opel Astra Cabrio



Neuer Opel Zafira



Opel Vectra / Vectra GTS







Opel Speedster Turbo











Small cars?

- What about the segment of the mass market of small class vehicles?
- Most of the fleet cars of our Department are Opel Corsa
 no CNG type available







"heavy smokers"





the Diesel problem



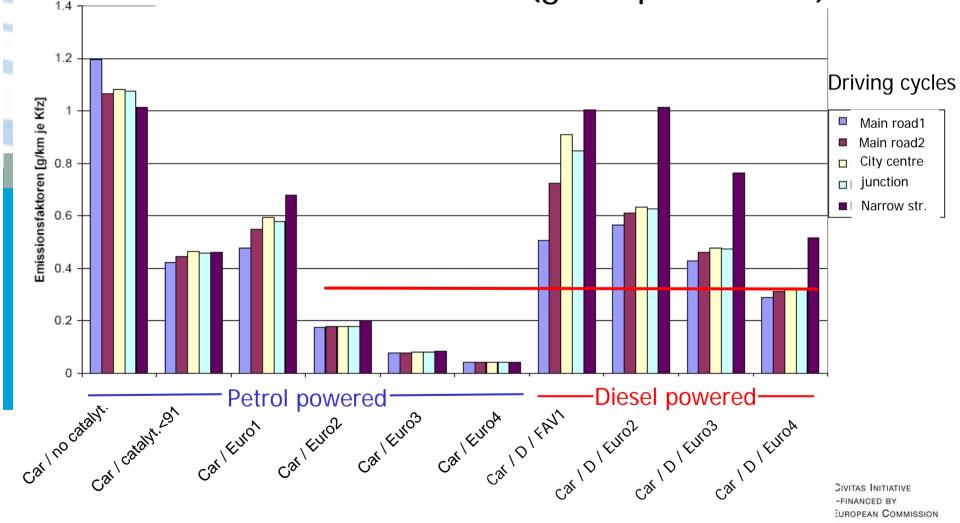






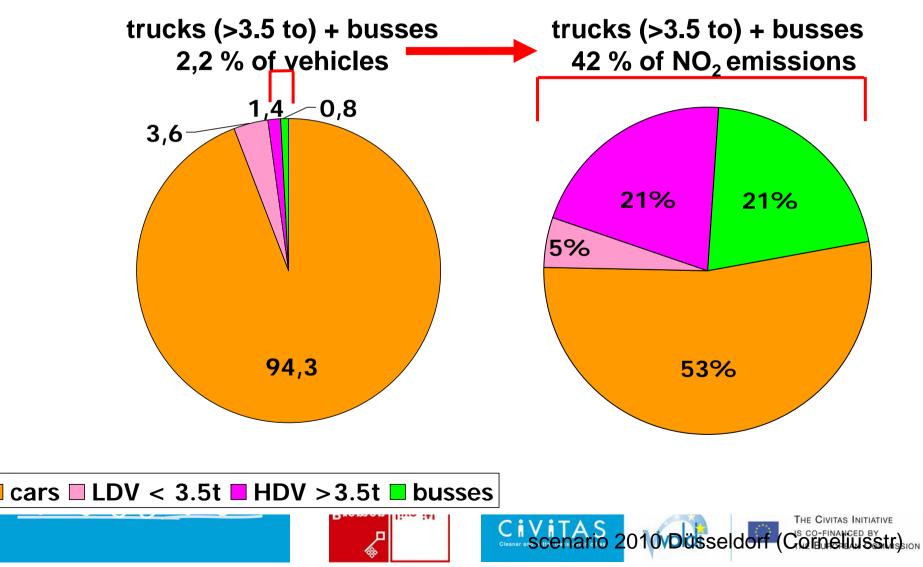
Nitrodioxid (NO₂)

NOx-emission factors (g/km per vehicle)

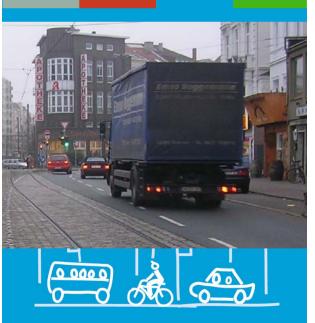




Nitrodioxid (NO₂)







Clean trucks ?

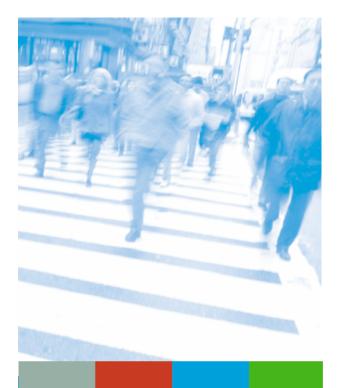
Urban delivery vehicles:

- usually Diesel vehicles
- overproportional share of urban pollution (especially NO_x)
- noise problems as well









Clean trucks? Mercedes Atego 12 ton CNG:

- Offer 2002 by Mercedes
- additional costs: +45% !!!
- After acceptance: no delivery !!

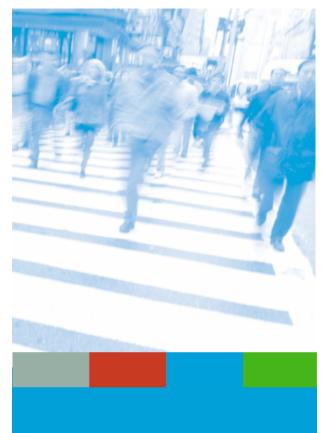












Clean trucks ? IVECO Eurocargo 12 ton CNG:

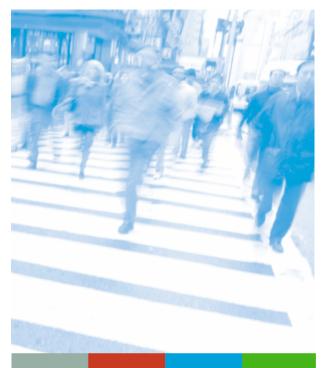
- Offer 2005
- pilot vehicle(s) for Bremen (City Logistics update)
- schedule for introduction:

June 2005









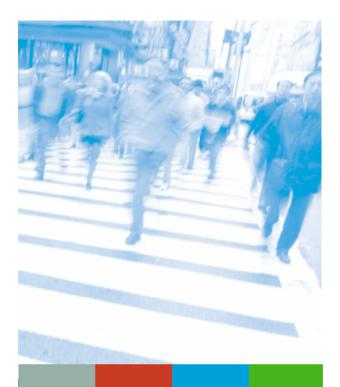
Clean trucks ? IVECO Eurocargo 12 ton CNG:

• IVECO decided not to deliver 12 – 16 ton CNG truck !!!









No CNG trucks available in the size 7.5 – 18 tons

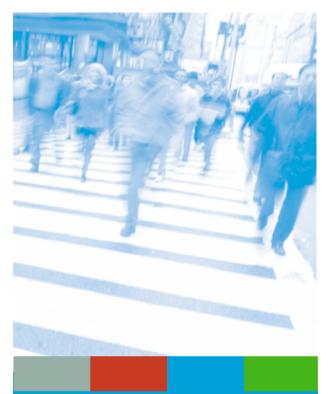
...size very important for urban delivery!











Clean delivery

DHL / Deutsche Post introducesclean delivery vehicles in5 German pilot cities (incl. allCIVITAS cities)

7 IVECO Daily 5 ton CNG in Bremen









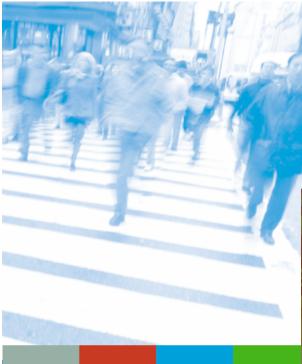
Clean delivery













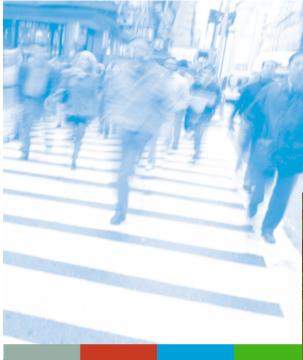
















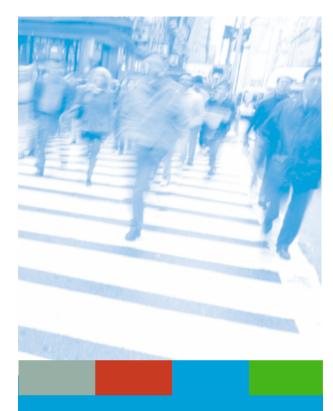




THE CIVITAS INITIATIVE IS CO-FINANCED BY THE EUROPEAN COMMISSION

More than air quality





Sustainable transport









Bremen live it!





Thank you for your attention !

Vivaldi National Conference 19. January 2006 Bremen



www.vivaldiproject.org





