

Clean Fuels and Vehicles in UNECE Region

Public-private partnership
for reduced air-pollution

Marta Szigeti Bonifert
Executive Director



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Partnership for Clean Fuels and Vehicles (PCFV)



Partnership for
Clean Fuels and Vehicles

- Leading Global Partnership Promoting Better Air Quality Through Cleaner Fuels and Vehicles
- Public-Private Partnership for Reduced Air Pollution from Vehicles through No-Lead and Low-Sulphur Fuels – Category I Document
- “Help developing countries to develop action plans to complete the global elimination of leaded gasoline and start to phase down sulphur in diesel and gasoline fuels, concurrent with adopting cleaner vehicle requirements.”
- Launch of Global Lead Campaign: Phase out Worldwide by end 2008
- Promotion of sulphur reduction in fuels (support for region and country goals with ultimate goal of 50 ppm or below);
- Cleaner vehicle technologies: Catalytic converters, particle filters, etc.
- www.unep.org/PCFV Elisa Dumitrescu/UNEP/P.O Box 30552 Nairobi, KENYA/Tel: (+254 20) 624735; elisa.dumitrescu@unep.org



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Pollution from Transport



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Health Effects

Lead

- Toxicity already at low level (no safe NAEL)
- Developmental problems (IQ, growth, hearing, specific for children)
- Several organs effected
- Malnourished particularly at high risk
- Restricts the mental development of children (loss of IQ); 1ug/dl – 0.25-0.5 IQ point
- For each 10ug/dl – height decrease by 1 cm

Sulphur

- Bronchitis
- Asthma
- Damage to plants and buildings
- PM: Cardio-respiratory problems
- Some constituents of fine particulate matter, such as diesel smoke, are carcinogenic



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Driving Forces

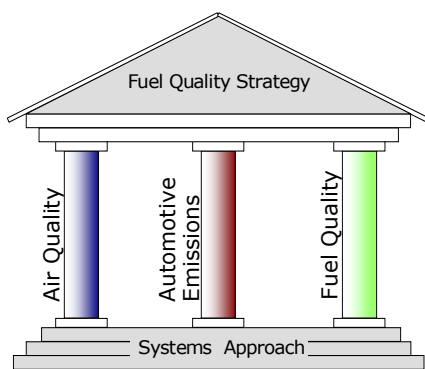
- Partnership for Clean Fuels and Vehicles (PCFV) at UNEP – model for PPP
- REC as a regional centre for regional and national PCFV projects in CEE
- USEPA – actively involved in projects in the region and in past EfE initiatives (SILAQ)
- The Netherlands, Italian governments active involvement and contribution in the SEE



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Partnership for Clean Fuels and Vehicles (PCFV)



•Factors of success

- Brings together all stakeholders;
- Concrete goals and well-defined mission
- Neutral platform at UNEP
- All stakeholders bring what they have (Technical, networking (including experts), and funding support)
- Work through consensus: Advisory Group and Annual Meetings
- Uses 'Chatham House' rules of confidentiality;



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Why Fuels and Vehicles?

- Urban air pollution from mobile sources has major health impact especially on children
- Clean fuels and vehicles programmes – the most cost-effective way to address vehicle emissions
- Leaded petrol, high sulphur fuels, ageing vehicles and the lack of emission controls → higher vehicle emissions



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EU and World Trends

- EU is 100% unleaded since 2000
- EU is moving towards 'zero-sulphur' fuel at 10 ppm and less
- Only around 20 leaded countries in the world: Bosnia and Herzegovina, FYR Macedonia, Montenegro, Serbia, Tajikistan, Turkmenistan
- High-sulphur (≥ 1000 ppm): FYR Macedonia, Kazakhstan, Kyrgyzstan, Montenegro, Moldova, Russia, Serbia, Tajikistan, Turkey, Turkmenistan, Ukraine, Uzbekistan
- 2006 – all Sub-Saharan Africa banned lead



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Time for Action

- Need to move all countries in the subregion and in EECCA countries toward lead-free and low sulphur fuels
- UN agreed deadline for lead phase-out – end 2008
- Target for sulphur content in petrol and diesel – 50 ppm. Need to develop concrete policy and financial plans and timelines

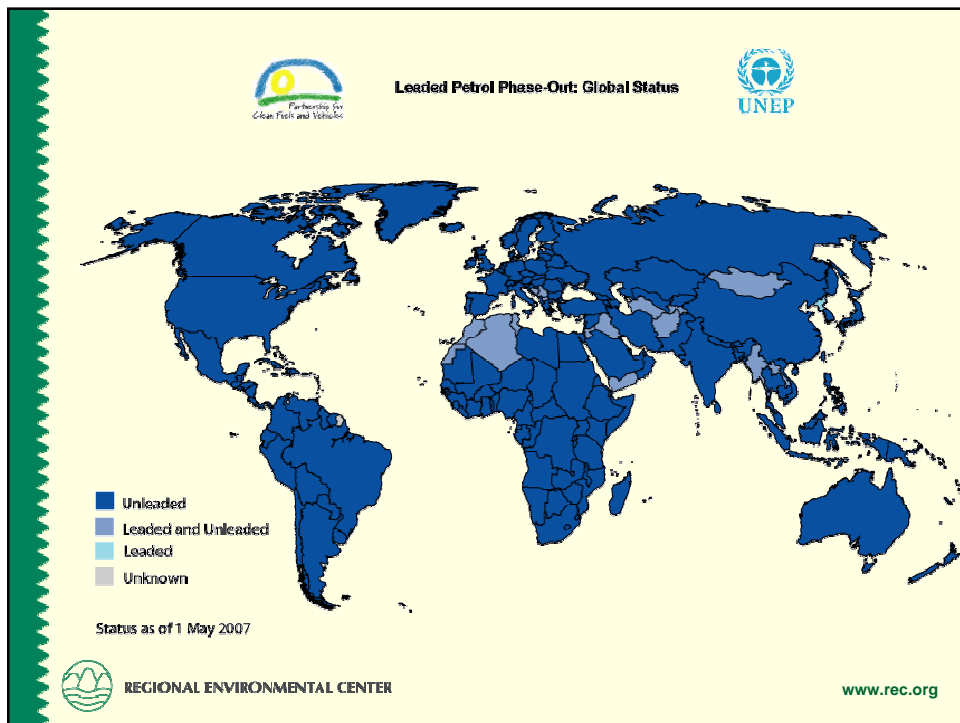
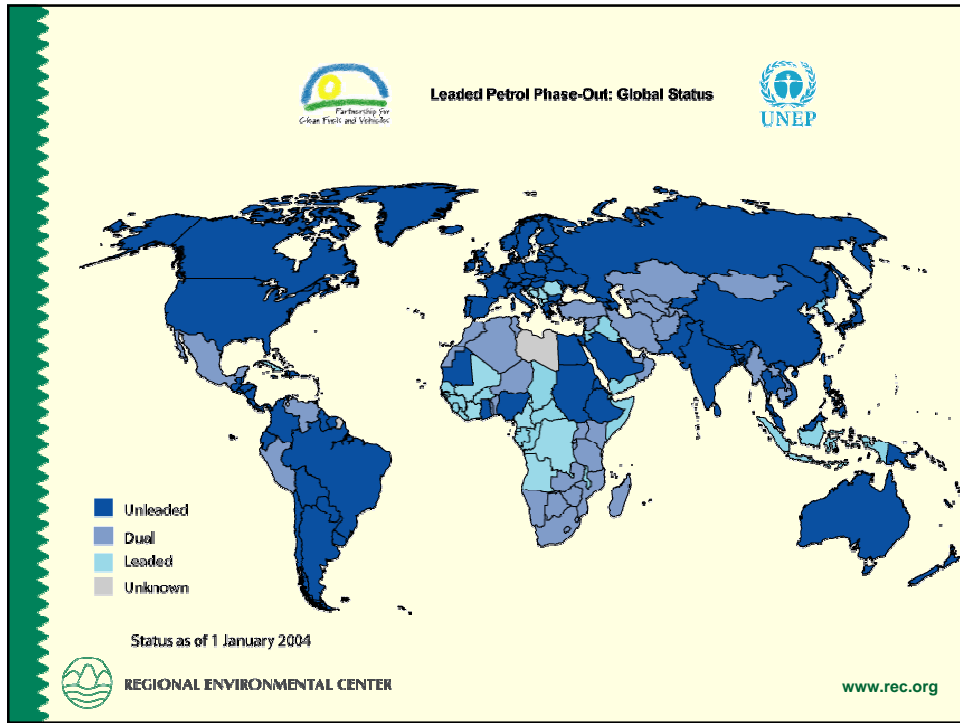


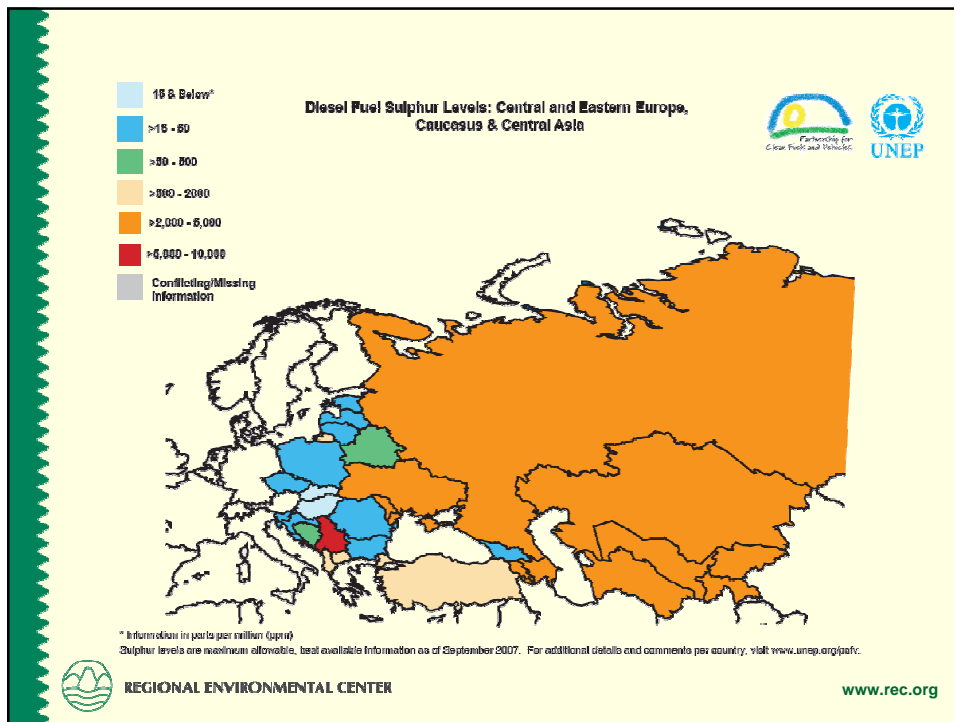
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Commitment

- Phasing out lead by 2008!

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- Thank you!



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