



Lessons learned from the Partnership for Clean Fuels and Vehicles

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About the PCFV

- Launched at the World Summit on Sustainable Development in 2002
- PCFV promotes **cleaner fuels** (unleaded and low sulphur diesel) and **cleaner vehicle technologies** to reduce **vehicle emissions** thus improving health, local air pollution, climate benefits
- Comprises **72 partners** - Governments, Private sector and Civil Society
- UNEP Headquarters in Nairobi, Kenya is the Secretariat



Why lead was added to petrol

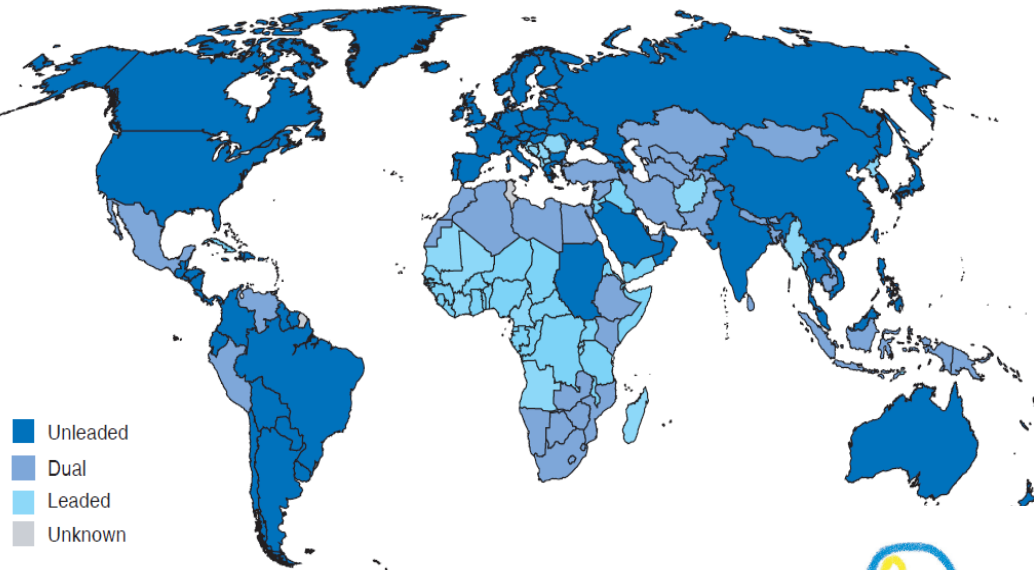
- As an octane enhancer, to prevent engine knock

However,

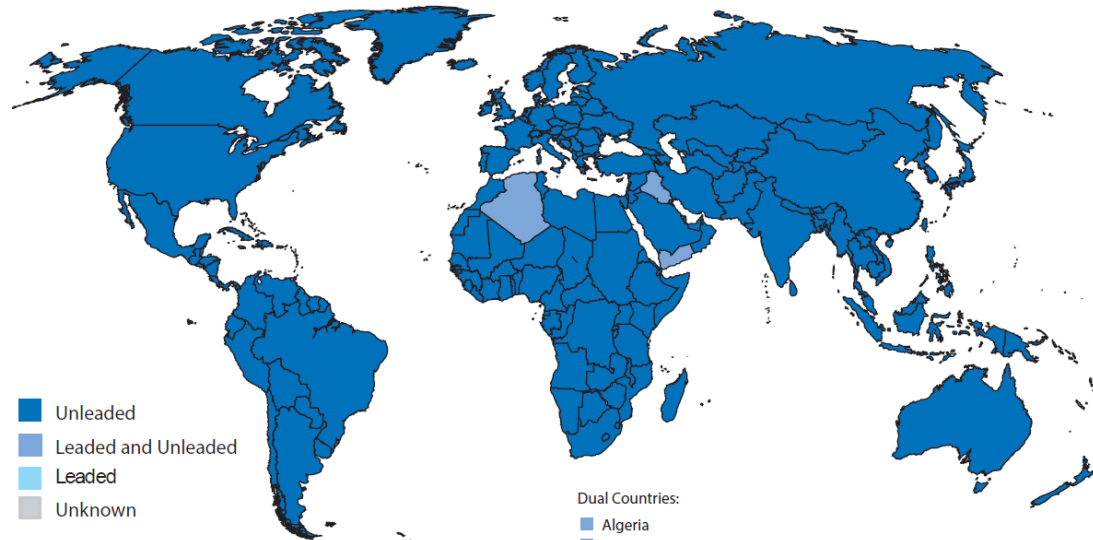
- Refinery technology has improved
- Modern cars manufactured with hard valve seats
- Valve seat recession not likely as occurs under conditions of lengthy high speed driving



Leaded Countries 2002 and 2015



Status as of End 2002



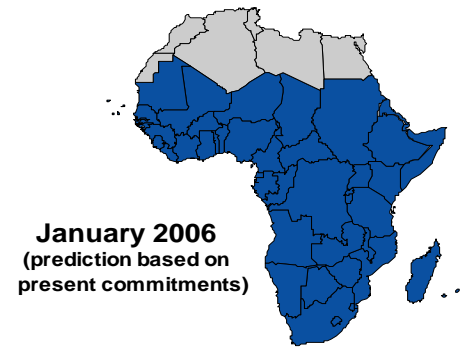
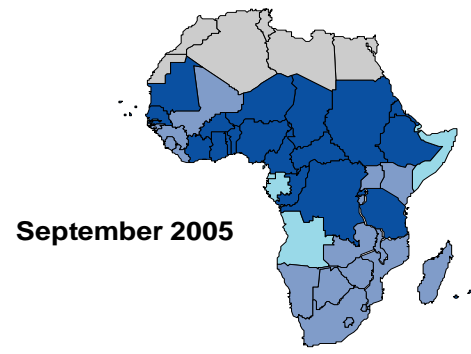
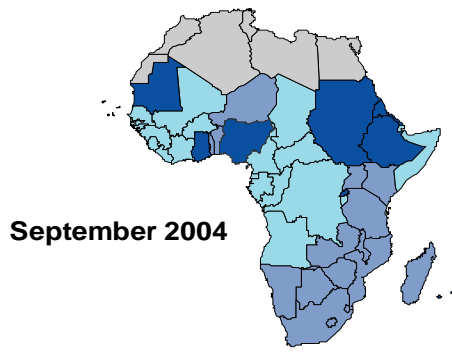
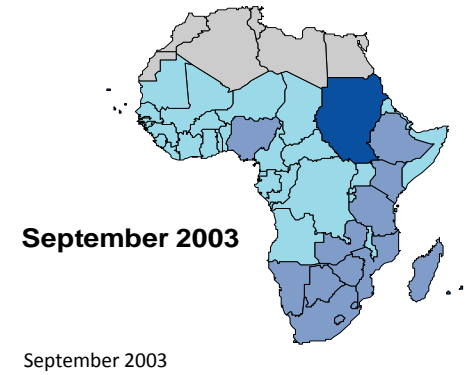
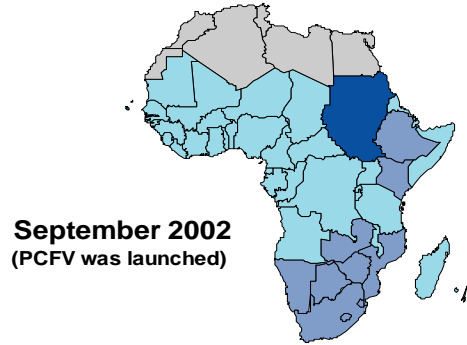
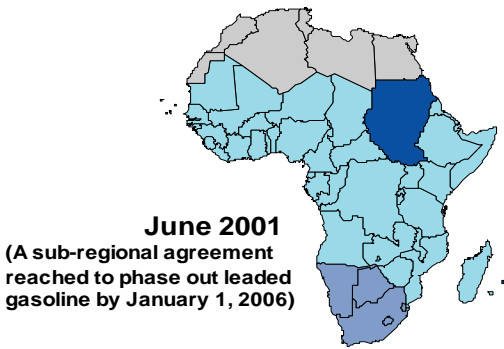
Over 80 countries
supported to eliminate
leaded petrol

Dual Countries:

- Algeria
- Yemen
- Iraq



Progress of leaded petrol phase out in sub-Saharan Africa



Leaded
Leaded and unleaded
Unleaded



PCFV as a Model

Emerging partnership design principles that are consistent with PCFV

- Develop clear goals
- Build a strong core membership
- Design and process to build buy-in and trust
- Maximize voluntary and comprehensive participation
- Guarantee transparency and accountability
- Strategic, multi-level, multi-angle implementation supported through a neutral secretariat

The image shows the cover of a report from the United States Environmental Protection Agency. At the top left is the EPA logo. To its right, the text reads 'United States Environmental Protection Agency', 'Office of Policy (18077)', and 'December 2011 EPA-100-R-11-008'. Below the header is a horizontal line with a green and yellow square graphic. On the left side, there is a vertical column of five small images: a group of people, a blue sky with clouds, a forest, a wave, and a city skyline. To the right of these images, the title 'Partnership for Clean Fuels and Vehicles: Evaluation of the Design and Implementation of the Lead Campaign' is written in bold blue text. Below the title, it says 'Final Report'. At the bottom, there is a blue double-headed arrow with the text 'Promoting Environmental Results Through Evaluation' written below it.

United States Environmental Protection Agency Office of Policy (18077) December 2011 EPA-100-R-11-008

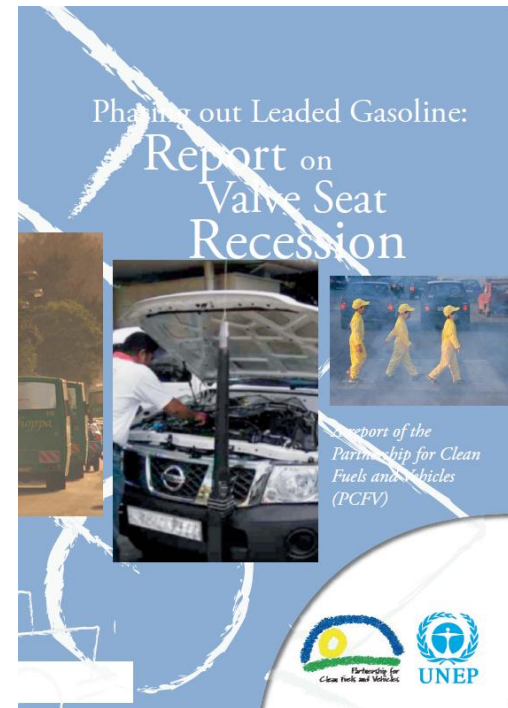
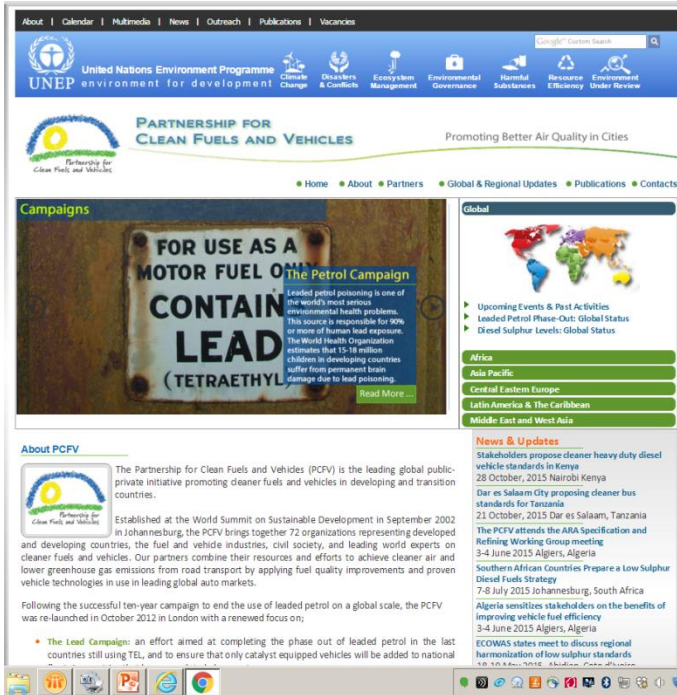
Partnership for Clean Fuels and Vehicles: Evaluation of the Design and Implementation of the Lead Campaign

Final Report

Promoting Environmental Results Through Evaluation



Support towards lead elimination



- Website to track progress
- Reports to guide countries
- Workshops to sensitize stakeholders

Improve your children's IQ's.



Switch to unleaded fuel.

Atmospheric lead in leaded petrol causes a significant IQ loss in children. By eliminating lead, Unleaded Fuel allows children's minds to develop normally.

UNLEADED FUEL
Make a clean switch today.

Environmental Liaison Centre International, United Nations Environmental Programme, National Environmental Management Authority, Petroleum Institute of East Africa.

المملكة المغربية
Royume du Maroc

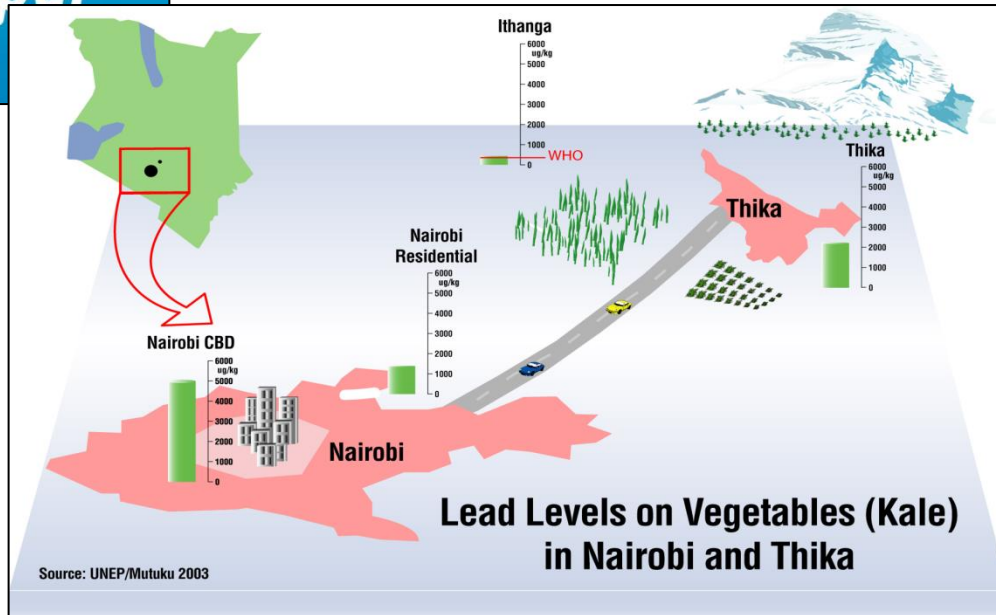
كتابة الدولة المكلفة بالماء والبيئة
Secrétariat d'Etat Chargé de l'Eau et de l'Environnement

Rouler propre pour respirer pur

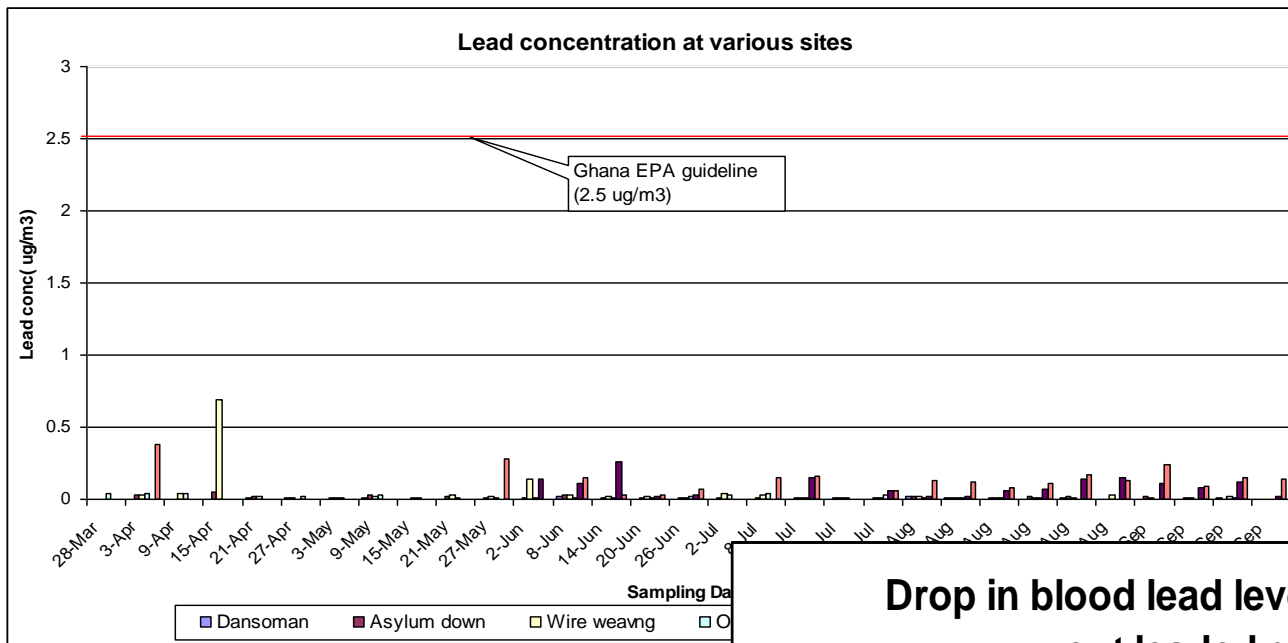


PETROLI ISIYO NA RISASI

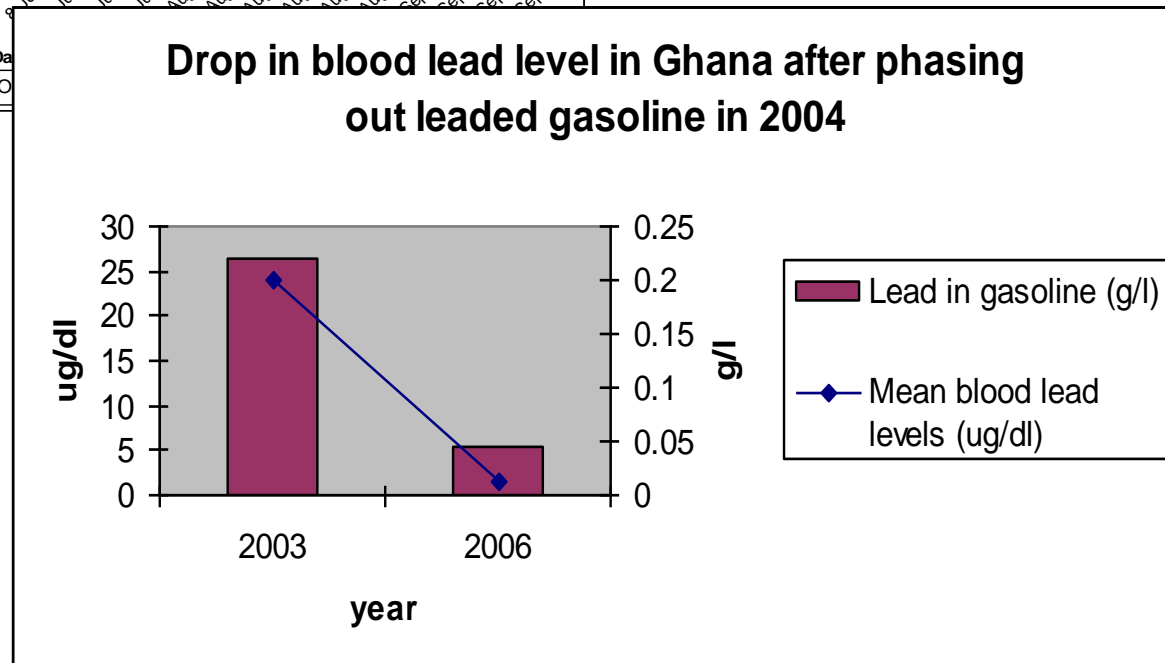
- ni *nzuri kwa injini*, plagi na utowaji wa moshi - inamaanisha ya kwamba huhitaji kutengeneza gari kila mara
- ni *nzuri kwa afya* -risasi huleta maradhi ya shinikizo la damu, ugojwa wa moyo na husababisha magojwa ya kifua kupumba kwa akili
- matatizo kwenye gari - magari yote *mapya na yaliyotumika* yanaweza kutumia petroli isiyo na risasi
- magari yenye catalytic converter *yanahitaji* petroli isiyo na risasi
- bei ni ile ile au *rahisi* kuliko petroli yenye risasi



Disseminate the benefits



Significantly lower concentrations after lead phase out



Lessons learnt

- Inclusive **partnership** – government, private sector, civil society
- Clear **goals** and targets
- **Standards**/regulations are important
- Clear **message** – benefits esp health
- Documentary **evidence** in a few pilots
- Identify the early **implementers** or those that have regional influence
- **Outreach** - all stakeholders are affected and concerned



Ghana



Prevent children from Old Flaking Paint, they are dangerous and may contain lead.



Ensure that playground equipment is well maintained. Old flaking paint may contain lead and...,

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