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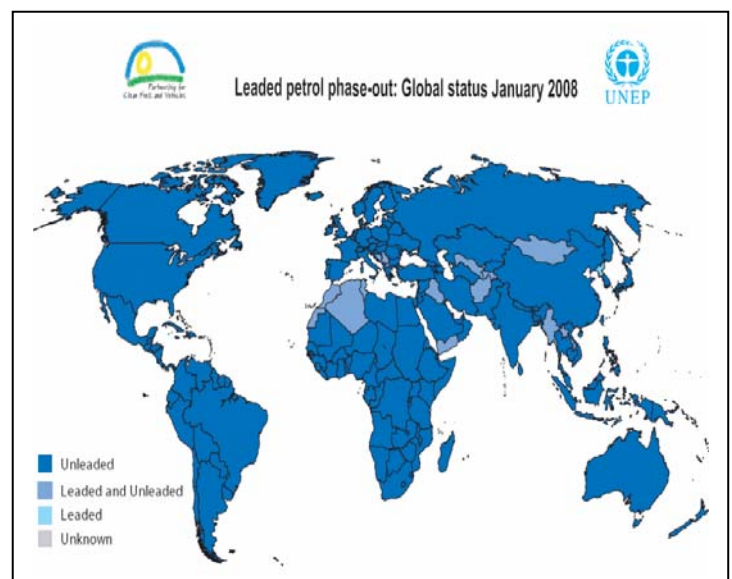
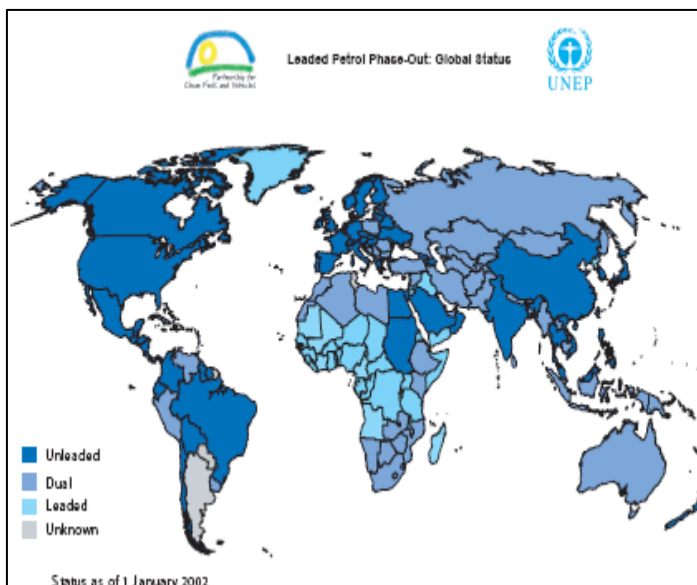
# Global Strategy for Phase-out of Leaded Gasoline of the Partnership for Clean Fuels and Vehicles

## Introduction

One of the main objectives of the Partnership for Clean Fuels and Vehicles (PCFV) from its launch in 2002 has been the phase-out of leaded gasoline globally. The PCFV's earlier efforts concentrated on sub-Saharan Africa as this was the region where use of leaded fuel was most widespread. Following regional consensus and national action, the sub region successfully phased out leaded gasoline as of 1 January 2006. To replicated this success worldwide, the 4th Annual Global Partnership Meeting held on 14-15 December 2005 at UNEP Headquarters in Nairobi, Kenya, set the following global target on leaded petrol: *"To phase out leaded gasoline by the end of 2008 worldwide to be followed by the global introduction of vehicles with catalytic converters."*

Presently, there are 16 countries still using leaded gasoline globally: *Africa:* Morocco, Algeria, Tunisia; *Middle East:* Iraq, Yemen; *Asia Pacific:* Laos, Mongolia, Myanmar, North Korea, Afghanistan, Tajikistan, Uzbekistan; *Central and Eastern Europe:* Bosnia-Herzegovina, FYR Macedonia, Montenegro, and Serbia (see maps below).

This paper presents the PCFV global leaded gasoline phase-out strategy for these remaining 16 countries, indicating the likelihood to achieve the PCFV global phase-out target.





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## **Progress to date and Planned Activities**

The Clearing-House (CH) has in the past supported sub-regional and national activities in almost all the countries still using leaded gasoline. These past activities and planned initiatives are detailed below by region.

**Africa:** The CH, with the support of the Asian Clean Fuels Association (ACFA), organized a sub-regional workshop for North Africa and Middle East countries in Egypt in 2006 where the issue of leaded gasoline phase-out was discussed. The three North African leaded countries - Algeria, Tunisia and Morocco participated. In the same year, the 18<sup>th</sup> Ministerial League of Arab Nations CAMRE meeting took place in Algeria and a resolution to phase out leaded gasoline by end of 2008 was passed. The CH has also received ministerial commitments from these 3 countries to phase out leaded gasoline with Morocco in addition issuing a decree to phase-out leaded gasoline by the end of 2008.

A sub-regional workshop for the three countries is planned in May this year. The workshop will be coordinated together with the International Petroleum industry Environmental Conservation Association (IPIECA) and will be followed by national sensitization activities in all the 3 countries.

**Middle East:** The CH has supported national activities in Yemen including a blood lead study, national workshop and public sensitization. The country has already committed to phasing out leaded gasoline and the CH will follow up the implementation of this commitment. For Iraq, the CH together with the US EPA approached the US State Department as a medium to help Iraq revamp its refineries and go unleaded. Understandably, Iraq has other priorities and no interest has been shown on the phase-out of leaded gasoline. As follow-up, the CH will support a representative of the Iraq Oil/Environment Ministry to attend the leaded gasoline phase-out workshop in Jordan this year.

**Asia-Pacific:** The CH met with the Ministry of Environment officials in 2007 to initiate discussions on the phase out of leaded gasoline in Afghanistan. Plans to support national sensitization activities including blood lead level studies are underway. For the remaining leaded countries in the region, the CH will seek partners to support activities aimed at phasing out leaded gasoline. The UNEP Regional Office for Asia and the Pacific is in contact with Laos, Myanmar and North Korea to promote lead phase out.

A regional meeting in Tbilisi, Georgia in January 2008 on clean fuels and vehicles has yielded a potential national partner for work on the phase-out of leaded gasoline for Uzbekistan. However, the absence of Tajik representatives and/ or a strong regional environmental group in Central Asia will require the CH to still look for a local partner to work on the phase-out of leaded gasoline in Tajikistan.

**Central and Eastern Europe:** The CH, with the support of the Regional Environmental Center (REC), has supported several activities aimed at the phase-out of leaded gasoline in the region. This includes a regional conference on cleaner fuels and vehicles in 2005 and national activities in Serbia, FYR Macedonia, and Bosnia and Herzegovina related to lead phase-out. Despite numerous high level interventions, the government of Serbia remained unmoved on sulphur and lead, and the ensuing refinery privatization does not require improved fuel specifications until at least 2010. A PCFV technical and political mission to Belgrade was undertaken in August 2007. Bosnia-Herzegovina and Montenegro rely on fuel produced from Serbia. While an intervention in Montenegro may be possible, the situation in Bosnia-Herzegovina remains static as its own refinery was privatized with similar terms.

The CH is working directly in Macedonia on lead phase-out, with the expectation of supporting future sulphur and vehicle initiatives as appropriate. FYR Macedonia had already committed to phase out leaded



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gasoline as of January 2008 but extended to June 2009. Bosnia-Herzegovina privatised its refinery and has given the new owners until 2010 to apply EC standards on lead in fuel.

### Forecast

Based on country commitments, it is the CH assessment that 6 of the 16 remaining countries are likely to meet the PCFV target to phase out leaded gasoline by the end of this year. These are Algeria, Tunisia, Morocco, Yemen, Afghanistan and Mongolia. FYR Macedonia has set 30 June 2009 as the phase-out date. Bosnia-Herzegovina, Serbia and Montenegro are expected to phase out in 2010/2012. For the remaining countries, the PCFV will continue to promote the issue and offer support, directly and through local partners to support national activities that will facilitate the countries to set leaded gasoline phase-out dates.

Country	Likely Phase-out Date
Morocco	January 2009
Algeria	January 2009
Tunisia	January 2009
Iraq	No date yet
Yemen	Committed to phase out
Laos	No date yet
Mongolia	No date yet, but likely to phase out
Myanmar	No date yet
North Korea	No date yet
Afghanistan	No date yet, but likely to phase out
Tajikistan	No date yet
Uzbekistan	No date yet
Bosnia-Herzegovina	2010/2012
FYR Macedonia	June 2009
Montenegro	2010/2012
Serbia	2010/2012