

Promote and support the reduction of Particulate Matter/Black Carbon emissions from transport through the introduction of cleaner, low sulfur fuels and cleaner vehicles through adoption of vehicle emissions standards

ORGANIZATIONS: *United Nations Environment Program (UNEP) on behalf of the Partnership for Clean Fuels and Vehicles (PCFV)*

WHAT WILL BE ACHIEVED?	CURRENT STATUS AS OF JUNE 20, 2013
<p>Major health benefits through improved urban air quality (especially reduction of small particulate matter) will be achieved. The objective is that in 10 years' time, all developing and transition countries will have introduced low sulphur fuels (50ppm and below) and cleaner vehicle technologies and emission standards leading to reduced urban particulate matter by between 50-80%.</p> <p>Expected co-benefits included:</p> <ul style="list-style-type: none"> • Reduced energy dependency • Significant reduction of Black Carbon (BC), a potent short lived climate forcer 	<ul style="list-style-type: none"> • Activities are on-going in the following developing regions/ countries. • Central & Eastern Europe: Montenegro, FYR Macedonia, Armenia, Albania, Belarus are at 50 ppm fuels and below, but without commensurate Euro vehicle standards while Bosnia and Herzegovina, Georgia, Azerbaijan, Ukraine are at 300- 350 ppm in diesel without Euro vehicle standards as well nor import restrictions. Russia has announced adoption of Euro 4 and 50ppm in 2015 and 10ppm by 2016. • Latin America and the Caribbean: Paraguay has moved from 5000 to 2500 nationwide and 500ppm in major cities. Several South American countries have set time lines including Colombia, Peru and Uruguay to adopt 50 ppm and below sulphur in fuels. • Africa: Morocco, Tunisia and Mauritius have already adopted 50 ppm sulphur fuels. South Africa has recently adopted legislation to move to 10 ppm by July 2017. The East African region is in the process of adopting regional standards to 50 ppm sulphur in diesel fuels. Almost all African countries are part of regional low sulphur roadmaps for 50 ppm by 2020. South Africa and Nigeria have adopted Euro 2 vehicle standards. • Asia: Several countries have put in place roadmaps for Euro 4 and 50ppm sulfur in fuel standards, particularly in the ASEAN – Indonesia Philippines, Vietnam, and Malaysia on or before 2018. The more advanced developing countries in the region like China, India, and Thailand are in the process of adopting Euro 4 and 50ppm nationwide. • Middle East & West Asia: While many countries have 50ppm sulfur in fuels, there is limited emission standards adopted. Discussions currently ongoing for adoption of Euro 4.
HOW TO ACHIEVE THE DESIRED OUTCOME	
<p>UNEP and the Partnership for Clean Fuels and Vehicles will work with and support governments to put in place fuel and vehicle policies and standards that improve air quality. The main activities will include:</p> <ul style="list-style-type: none"> • Raising awareness • Building capacity • Providing technical and financial support • Networking for sharing best practices and case studies • Providing experts to support standards development 	
DELIVERABLES	NEXT STEP IN IMPLEMENTATION OF VC
<ul style="list-style-type: none"> • Central & Eastern Europe to be at 50ppm fuels or lower with Euro 4 vehicle standards (except Belarus & Ukraine) <i>by 2015</i> • Latin America and the Caribbean to be at 50ppm fuels or lower with Euro 4 vehicle standards <i>by 2022</i> • Africa to be at 50ppm fuels or lower with Euro 4 vehicle standards <i>by 2020</i> • Asia to be at 50ppm fuels or lower with Euro 4 vehicle standards (excluding Bangladesh, Cambodia, Myanmar, North Korea & 	<ul style="list-style-type: none"> • Central & Eastern Europe: Prioritize development and adoption of Euro 4 emission standards in most countries, and continued support for implementation of 50ppm or lower sulfur in fuels like Serbia, which will have 10ppm by mid-2013. • Latin America and the Caribbean: Work with Colombia and Uruguay to keep implementation by 2013 and Peru in 2016, and continued engagement in the Caribbean countries to set a timeframe. • Africa: Focus on harmonization of standards in East Africa and Southern Africa to 50 ppm and support the adoption of timelines for implementation of 50ppm and Euro 4

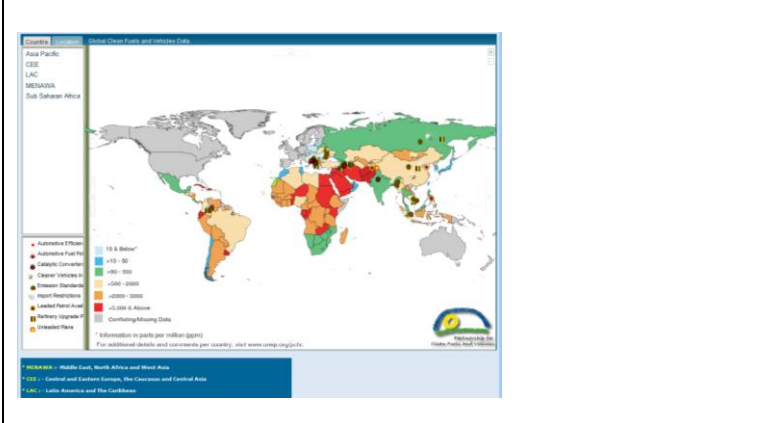
Pakistan) *by 2018*

- Middle East & West Asia to be at 50ppm fuels or lower with Euro 4 vehicle standards *by 2022*

standards all countries

- Asia: Focus on harmonization of standards particularly for Southeast Asia and continue working with Afghanistan, Bangladesh, Nepal, North Korea, Pakistan, Sri Lanka) to set time frames for adoption of Euro 4 and 50ppm in Sulfur.
- Middle East & West Asia: Continued engagement with government and private sector on development and implementation of standards.

ONLINE RESOURCES RELATED TO THE VC



[Global Clean Fuels and Vehicles Database
www.unep.org/pcfv/](http://www.unep.org/pcfv/)

ALLOCATED RESOURCES

- *Financing:* \$25,000,000
- *In-kind contribution:* National Governments support and UNEP
- *Staff and Technical Support:* Partners expertise and support

CONTACT PERSON

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