

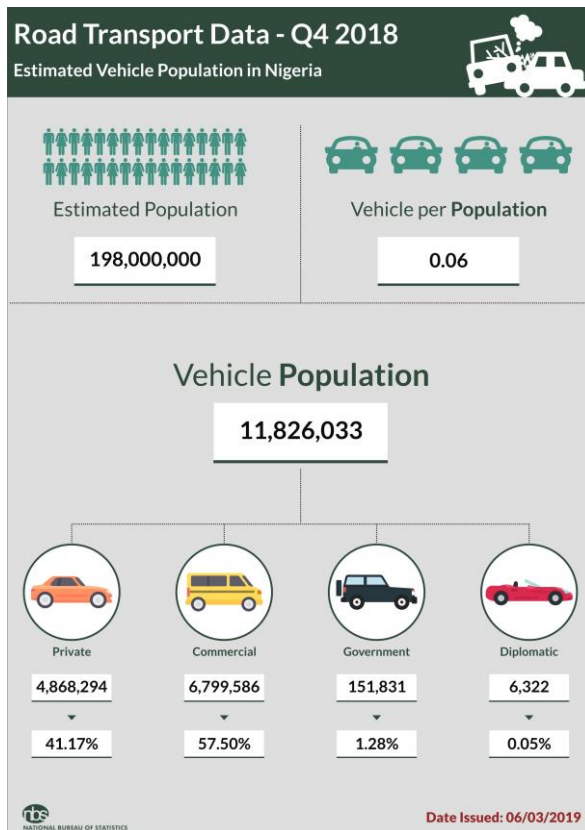


Lessons from the clean fuels and vehicles campaign in Africa

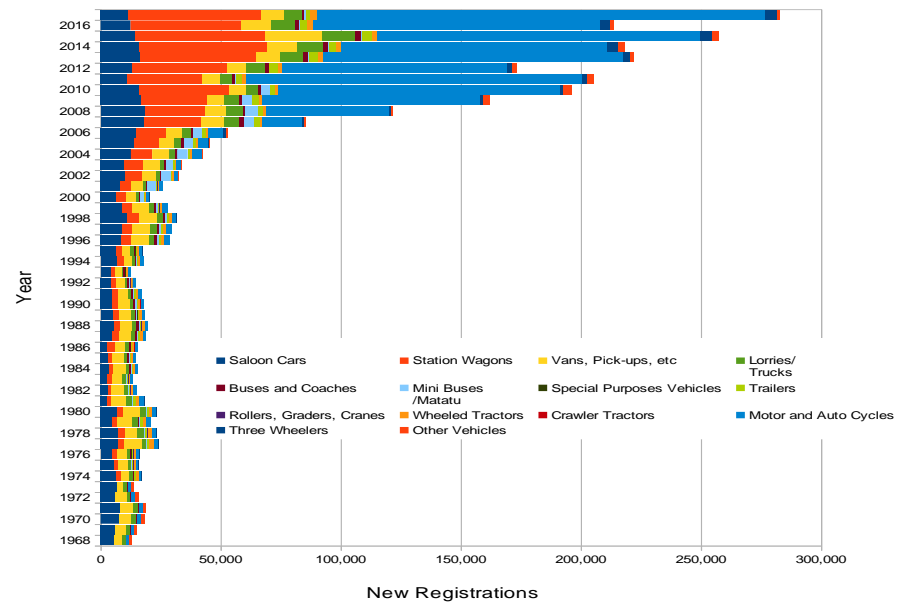
Jane Akumu
UNEP



Africa experiencing high vehicle grow



New Vehicle Registrations in Kenya 1968-2017





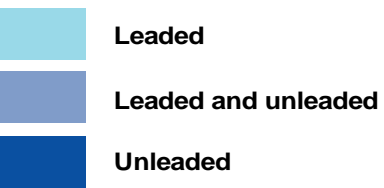
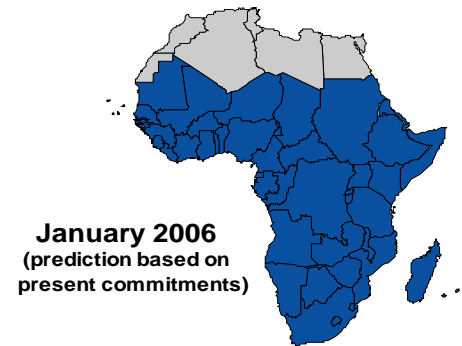
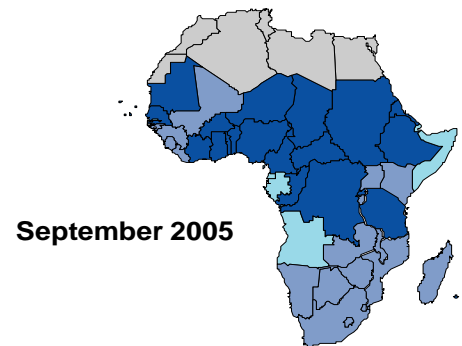
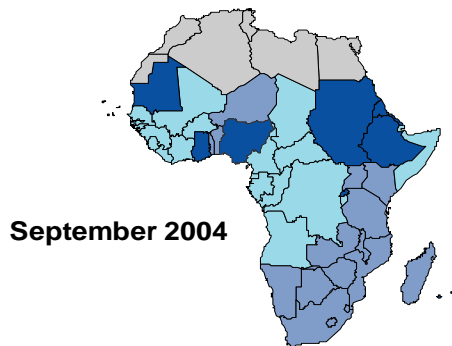
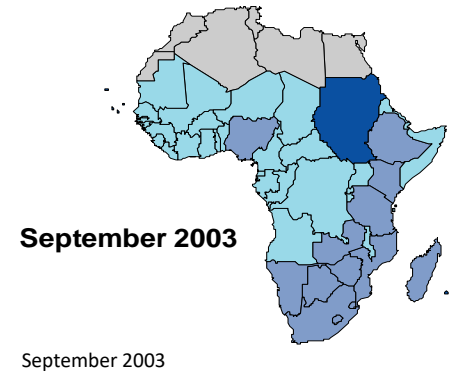
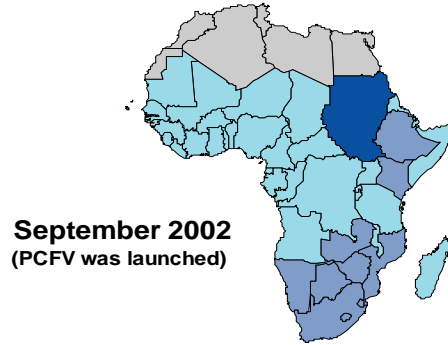
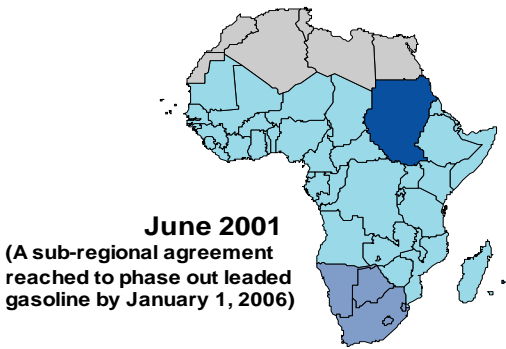
Partnership for Clean Fuels and Vehicles (PCFV) Systems Approach

- A systems approach links fuel quality to vehicle emission standards for max emission reduction benefits
- PCFV promotes cleaner fuels:
 - *Lead free petrol*
 - *Low sulphur fuels - target is 50 ppm and below fuels*
- strict vehicle emissions standards
 - *Min Euro 4/IV vehicle emission standards*
 - *Support for I & M programs*



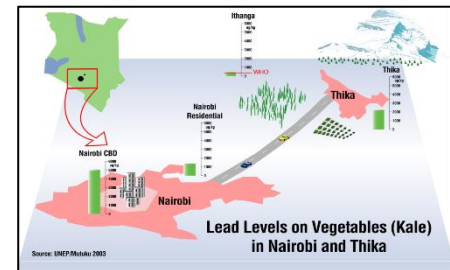
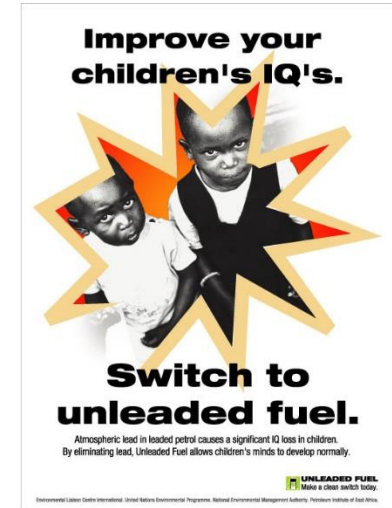
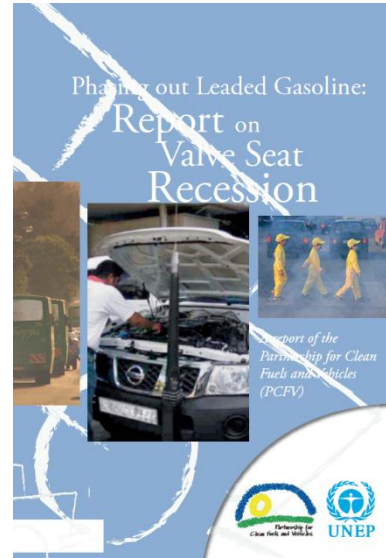


Progress of leaded petrol phase out in sub-Saharan Africa

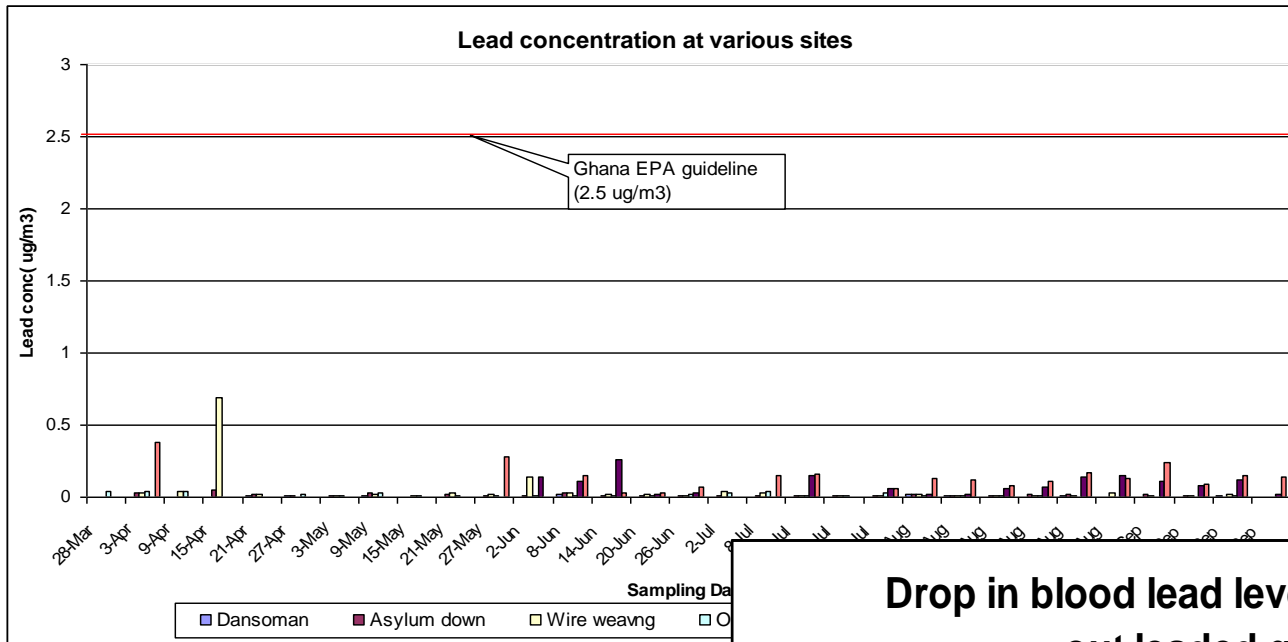


Support towards lead elimination

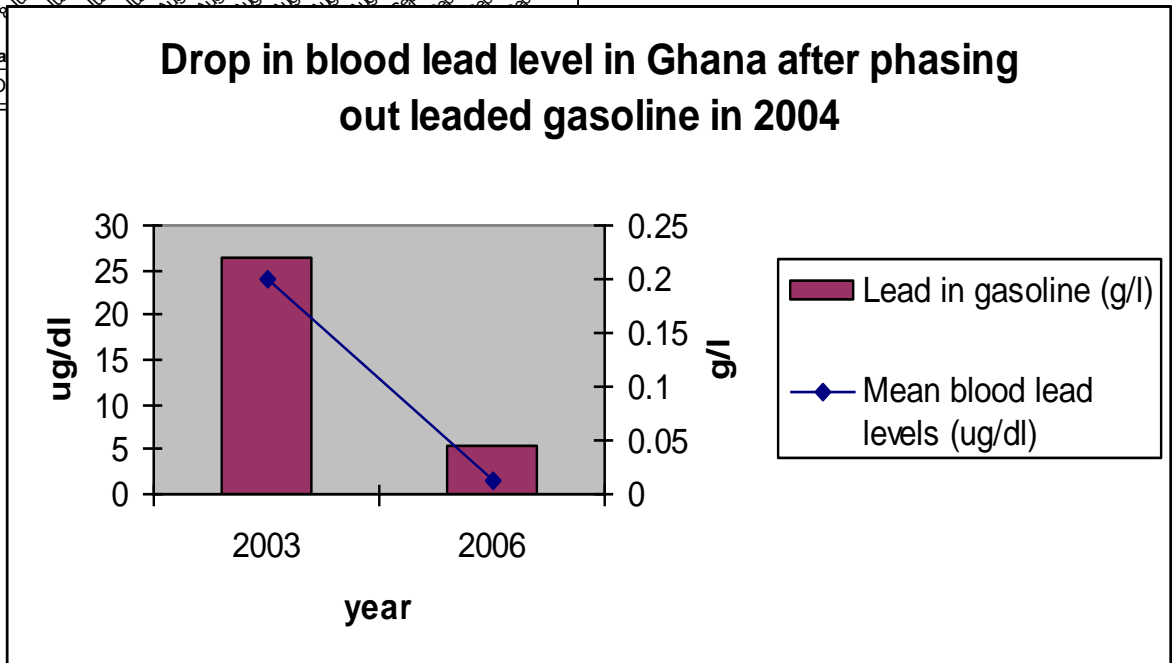
- Website to track progress
- Reports to guide countries
- Research on blood lead levels and on vegetables
- Workshops to sensitize stakeholders

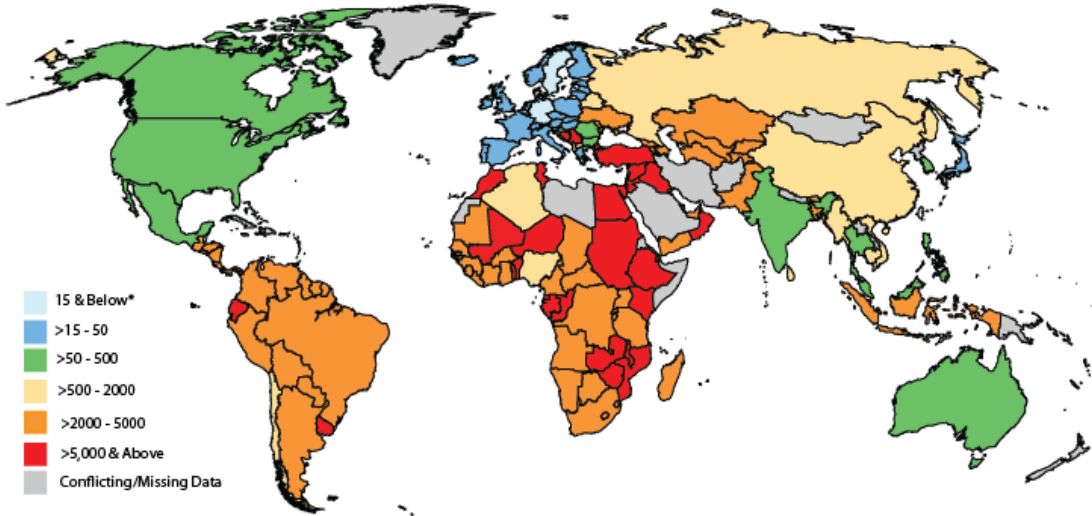


Disseminate the benefits - Ghana



Significantly lower ambient and blood lead levels after lead petrol phase out



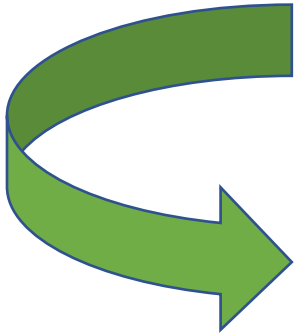


- 15 & Below*
- >15 - 50
- >50 - 500
- >500 - 2000
- >2000 - 5000
- >5,000 & Above
- Conflicting/Missing Data

* Information in parts per million (ppm)

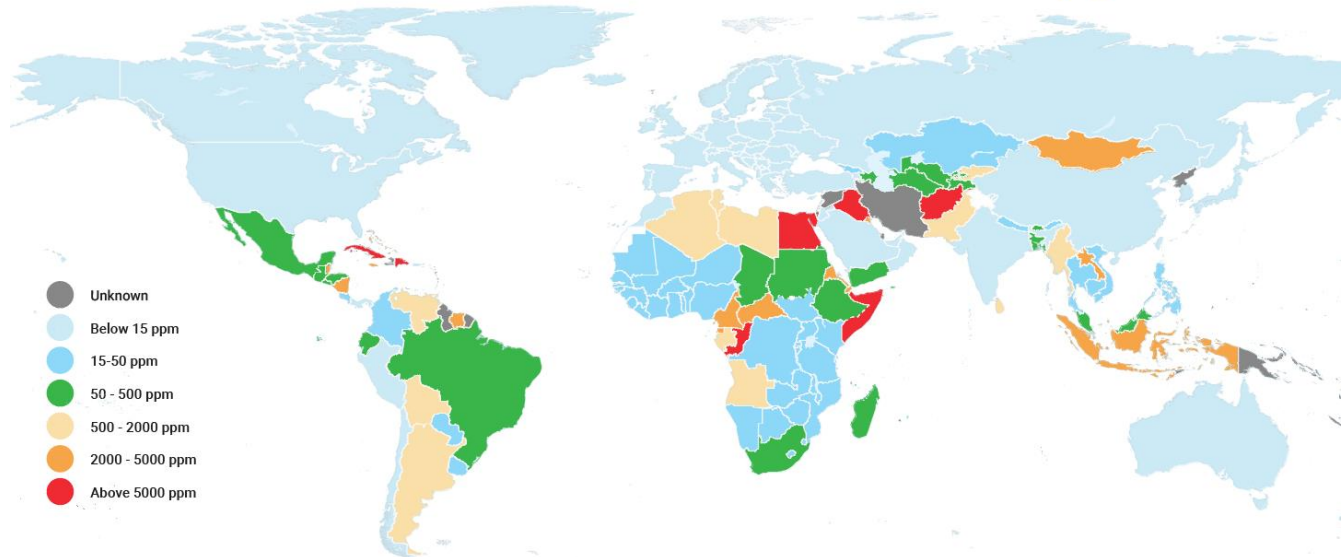
2005

Progress towards
Low Sulphur Diesel



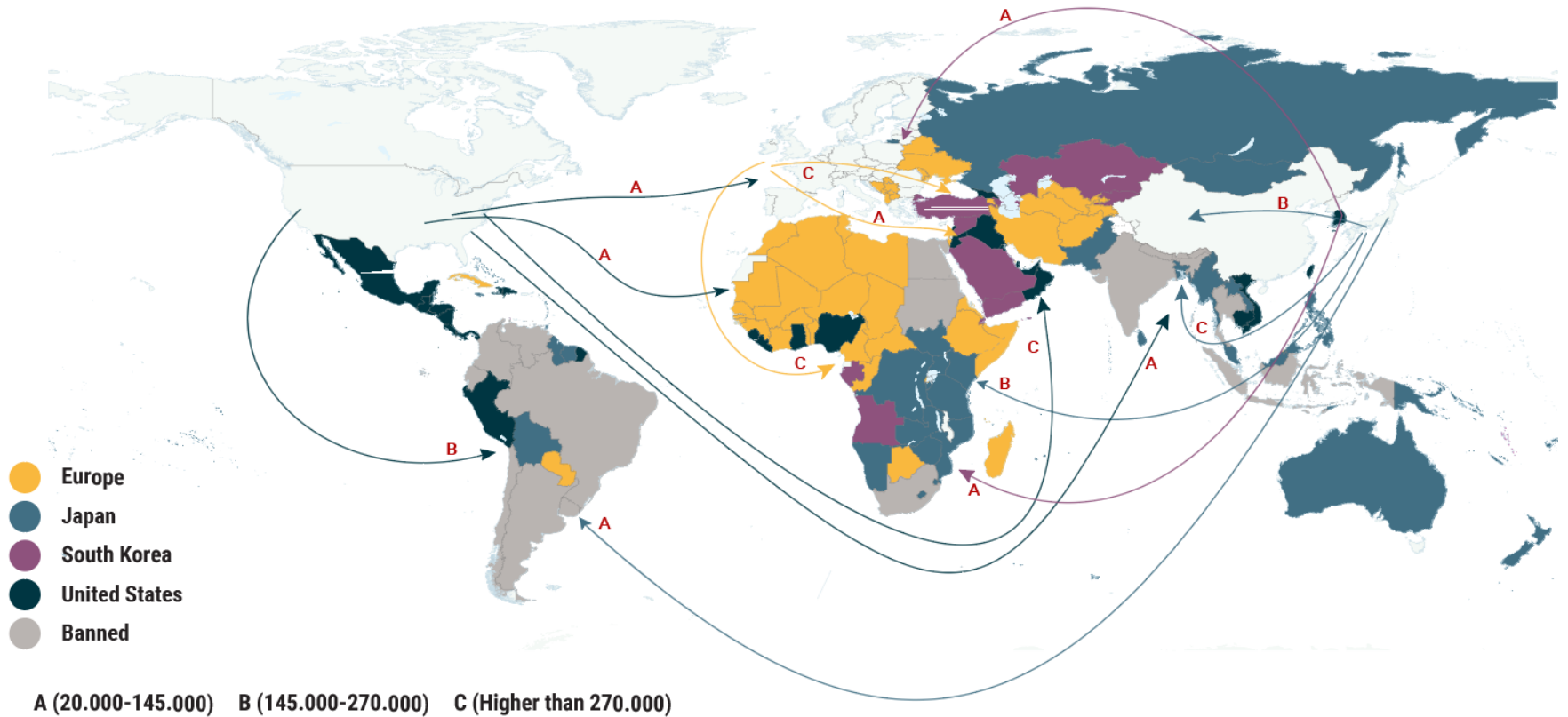
2024

With full implementation
of regionally adopted
standards



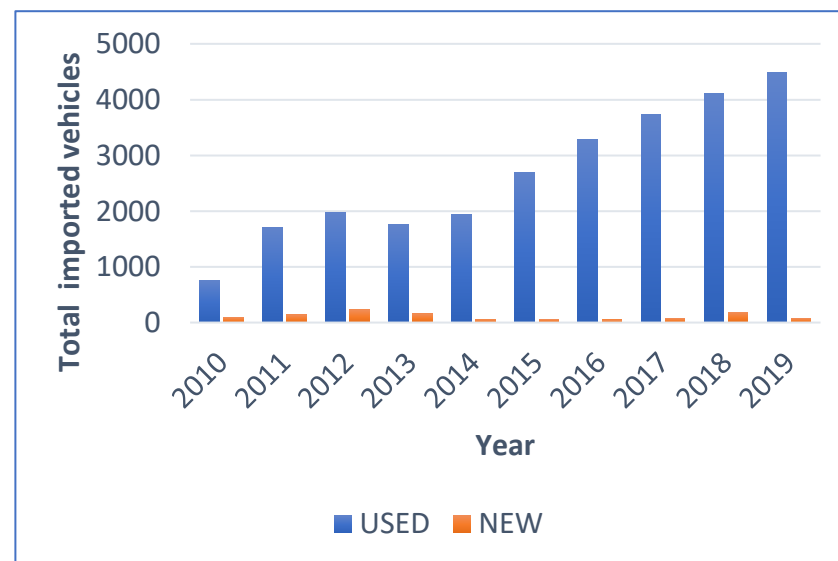
- Unknown
- Below 15 ppm
- 15-50 ppm
- 50 - 500 ppm
- 500 - 2000 ppm
- 2000 - 5000 ppm
- Above 5000 ppm

The Global Trade in Used Light Duty Vehicles

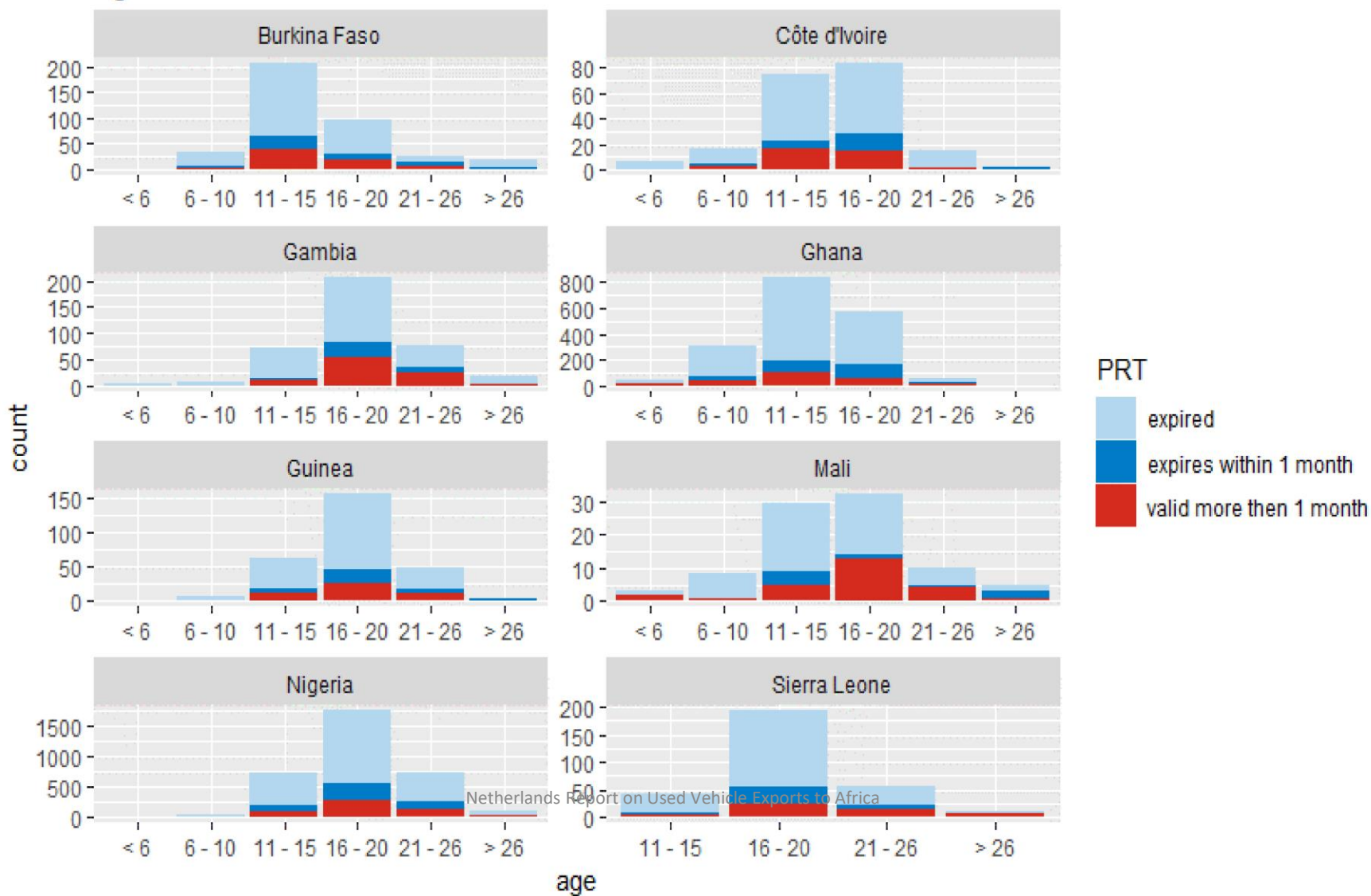


Used and New Vehicle registration in Tanzania and the Gambia

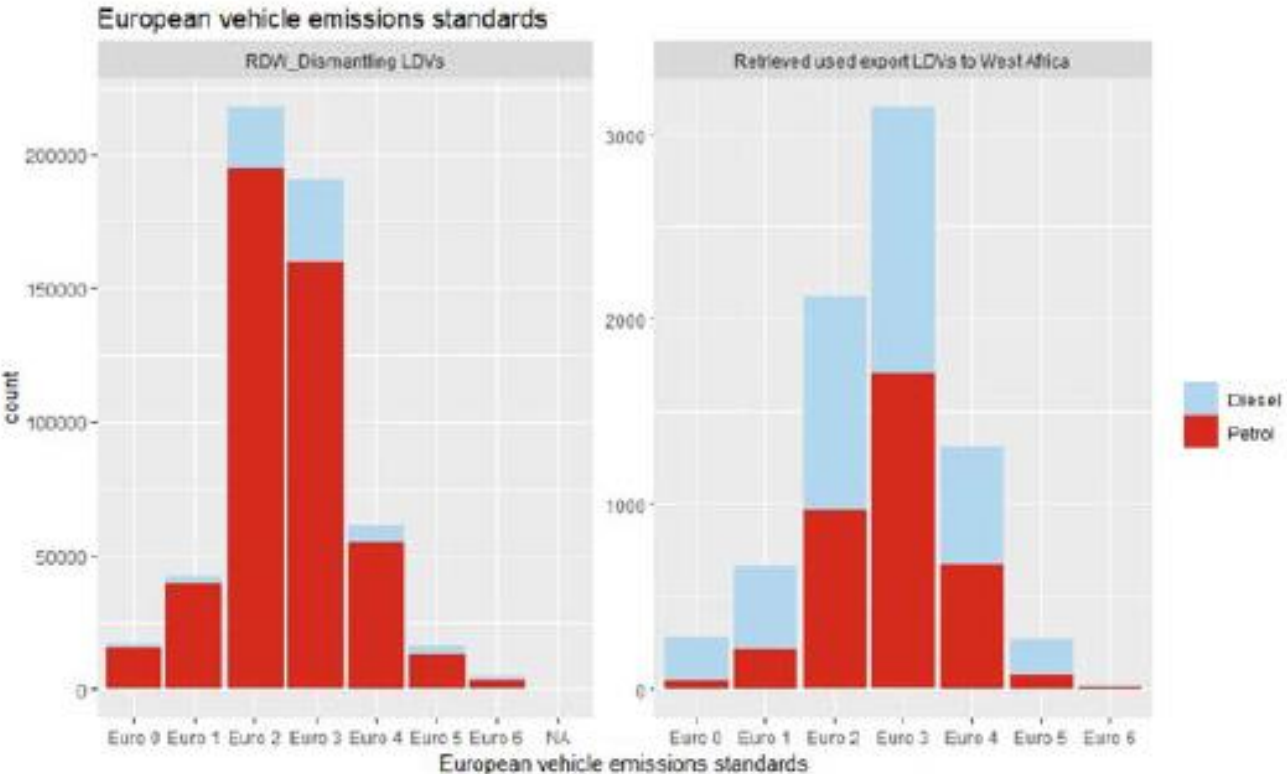
Year of Registration	New	Used	Total	% New
2003	624	11,268	11,892	5.2
2004	712	59,873	60,585	1.2
2005	1,032	56,365	57,397	1.8
2006	1,142	42,208	43,350	2.6
2007	1,317	24,425	25,742	5.1
2008	1,653	29,298	30,951	5.3
2009	1,133	37,255	38,388	3.0
2010	1,098	37,639	38,737	2.8
2011	1,562	34,918	36,480	4.3
2012	1,330	35,785	37,115	3.6
2013	1,505	54,188	55,693	2.7
2014	1,852	74,430	76,282	2.4
2015	1,278	51,624	52,902	2.4
2016	1,331	42,320	43,651	3.0
2017	871	33,942	34,813	2.5
2018	1,311	39,632	40,943	3.2
Grand Total	19,751	665,170	684,921	
Percentage	2.9	97.1	100.0	



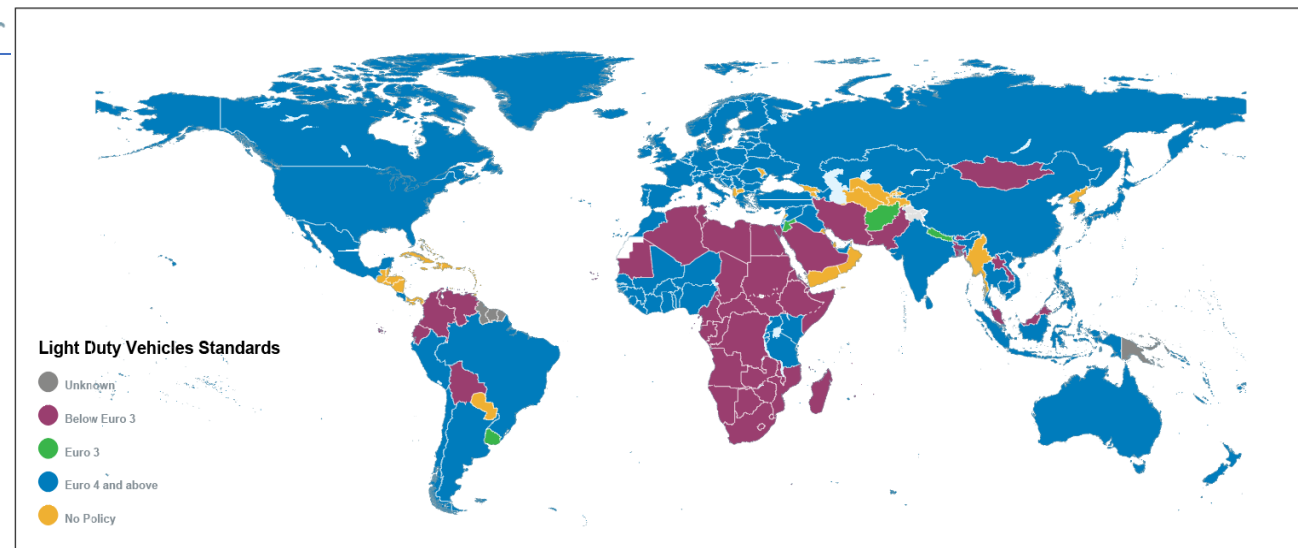
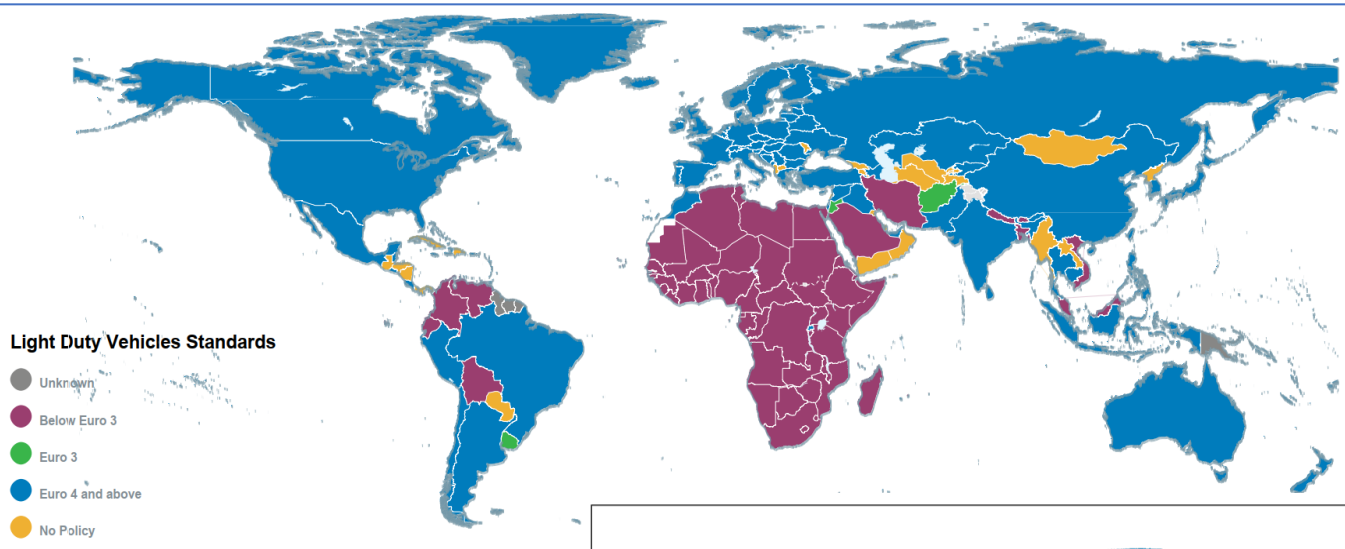
Age and PRT of retrieved vehicles, West Africa



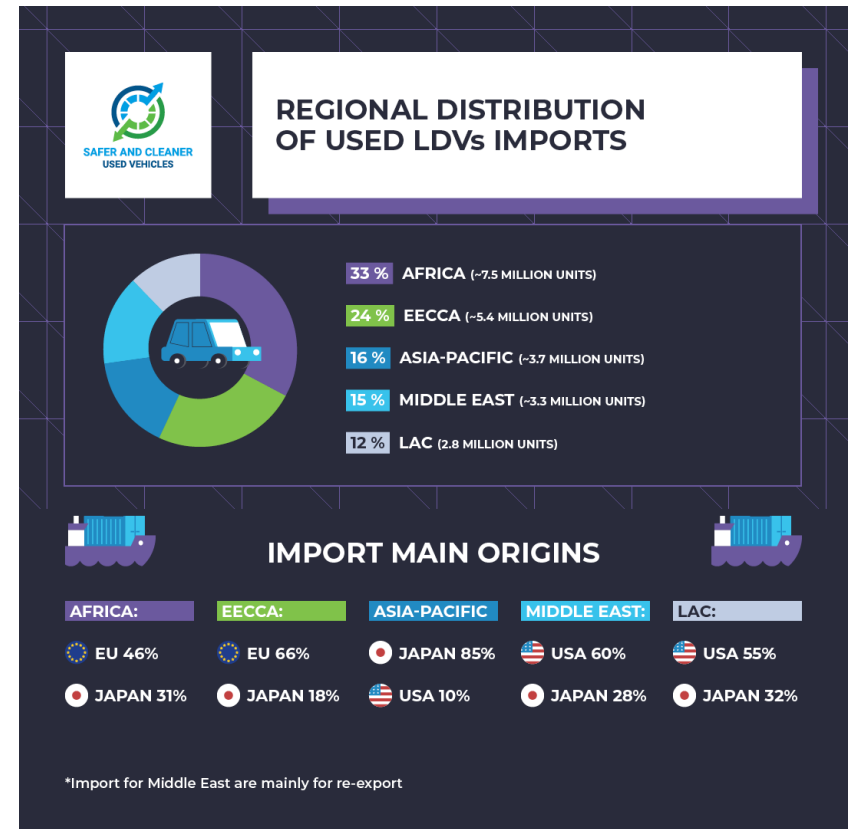
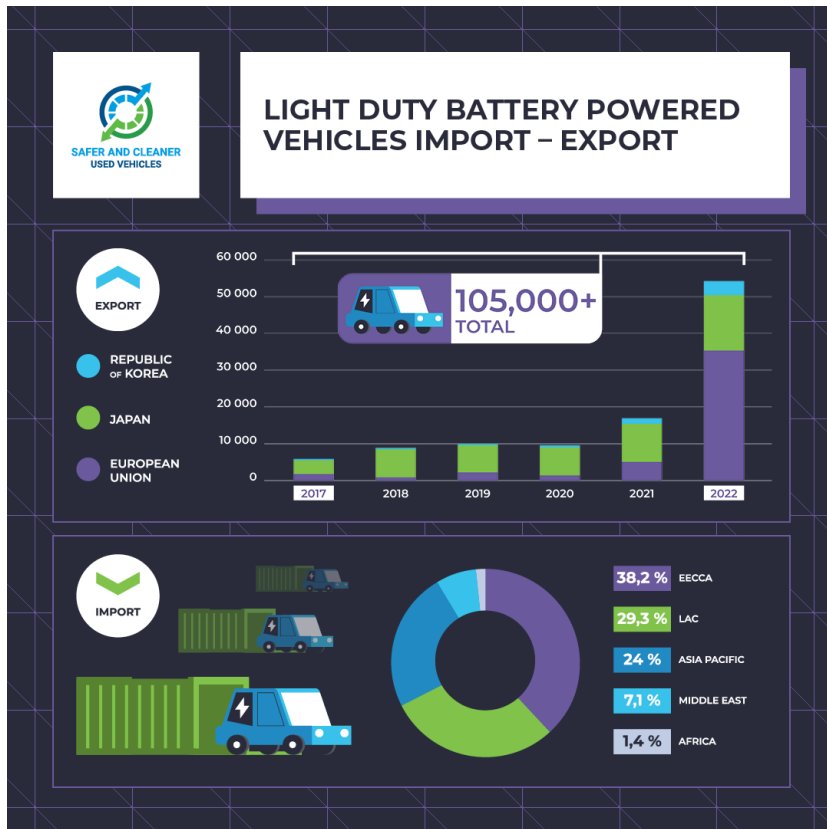
Vehicle exports to W. Africa match EOL Vehicles



LDV Emission Standards - actual and regional commitments



Africa imports the highest number of used vehicles compared to the other regions but the least number of used EVs



First African Used Vehicles Importers Meeting

DATE: 25 June 2021
 TIME: 12:00 - 3:00pm [east african time]

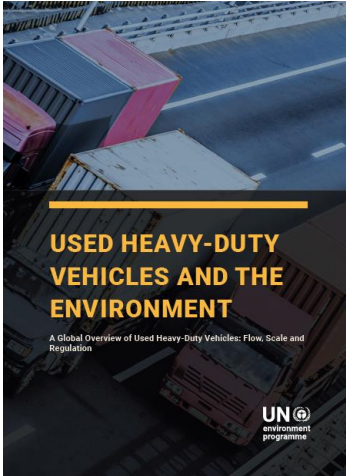
#cleanervehiclesforAfrica
 #safervehiclesforAfrica



Logos: SAFER AND CLEANER USED VEHICLES, UN RSF THE ROAD SAFETY FUND, UNECE, FIA, CITA, UN environment programme, ECA, African Union

USED HEAVY-DUTY VEHICLES AND THE ENVIRONMENT

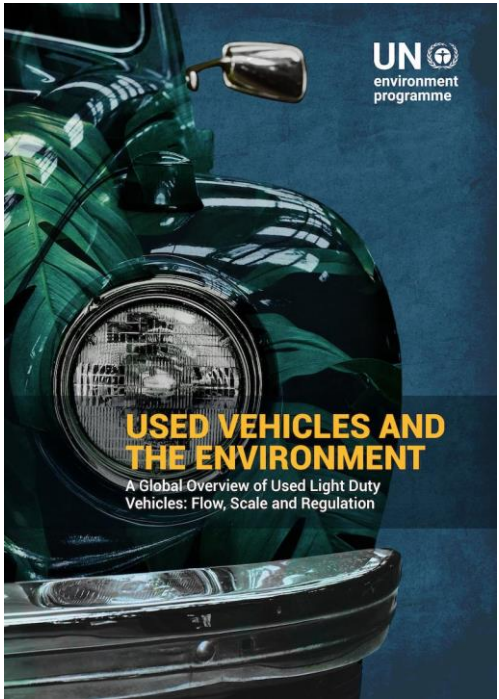
A Global Overview of Used Heavy-Duty Vehicles: Flow, Scale and Regulation



UN environment programme

USED VEHICLES AND THE ENVIRONMENT

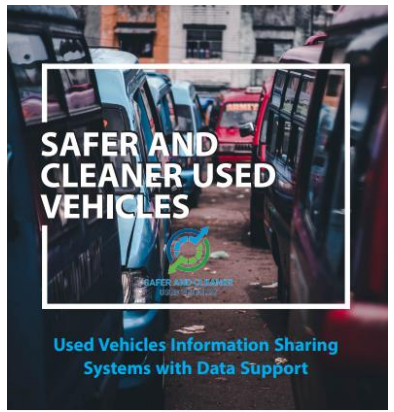
A Global Overview of Used Light Duty Vehicles: Flow, Scale and Regulation



UN environment programme

SAFER AND CLEANER USED VEHICLES


Used Vehicles Information Sharing Systems with Data Support



Developed by CITA

Logos: UN RSF THE ROAD SAFETY FUND, UN environment programme, UNECE, FIA REGION I

TANZANIA SHIFTING TO CLEANER AND MORE FUEL-EFFICIENT VEHICLES



THE QFEI IS SUPPORTED BY:

Logos: GLOBAL FUEL ECONOMY INITIATIVE, FIA FOUNDATION, European Union flag, gef, UN environment programme



Lessons learnt

- Clear **messaging** of the benefits esp economic and health
- Clear **goals** and targets backed by data - vehicles, emissions trends
- **Standards**/regulations + incentives
- Regionally **harmonized** standards and identify the early implementers
- Documentary **evidence** – few pilots
- **Outreach** - stakeholder sensitization
- **Partnerships** - government, private sector, civil society
- **Forward looking policies** & strategies e.g. EoL battery management – challenge with recycling of lead acid batteries
- **Integrated approach** to low carbon mobility – walking, cycling, public transport, energy





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Industry and Economy Division
UN Environment Programme

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