

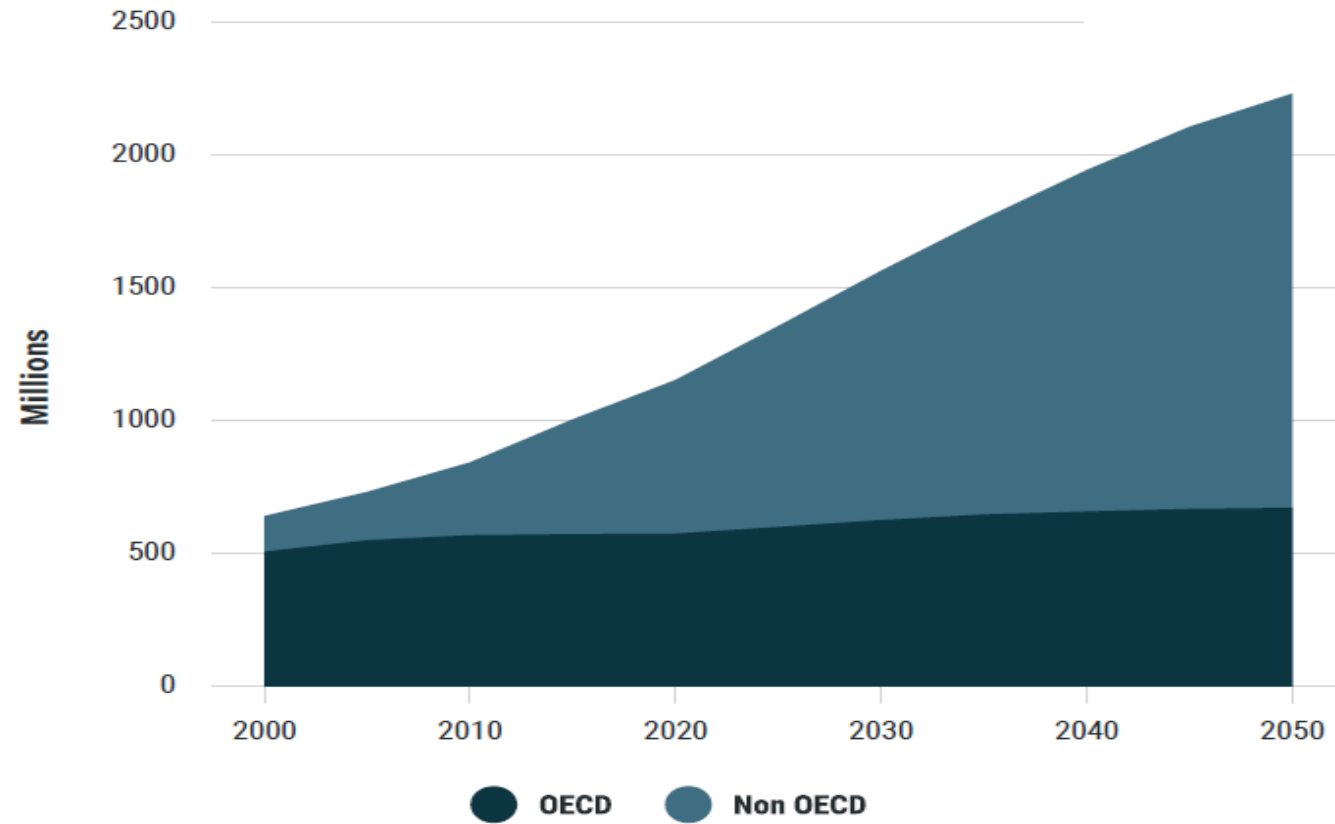


**USED VEHICLES AND
THE ENVIRONMENT**

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

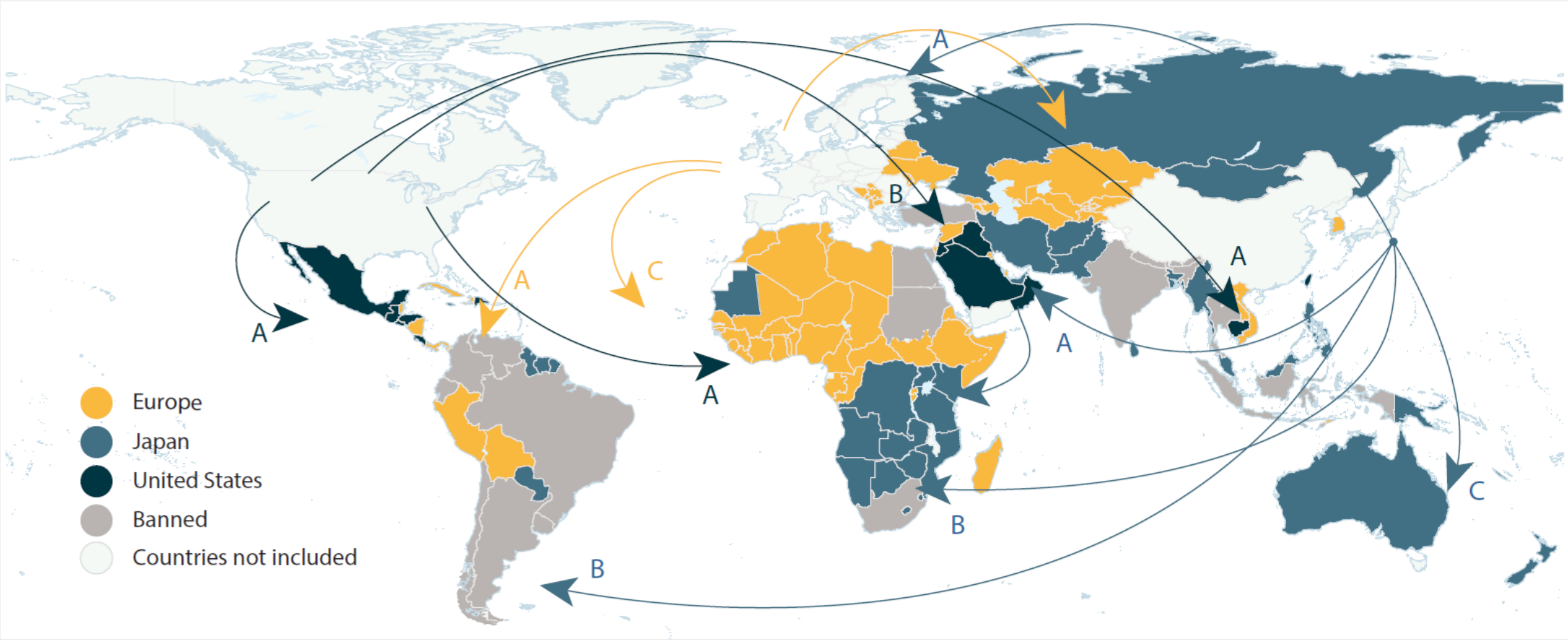
Jane Akumu
Sustainable Mobility Unit
Economy Division

Growth of the Global Light Duty Vehicle Fleet 2000 to 2050 – OECD vs non-OECD (IEA 2017)



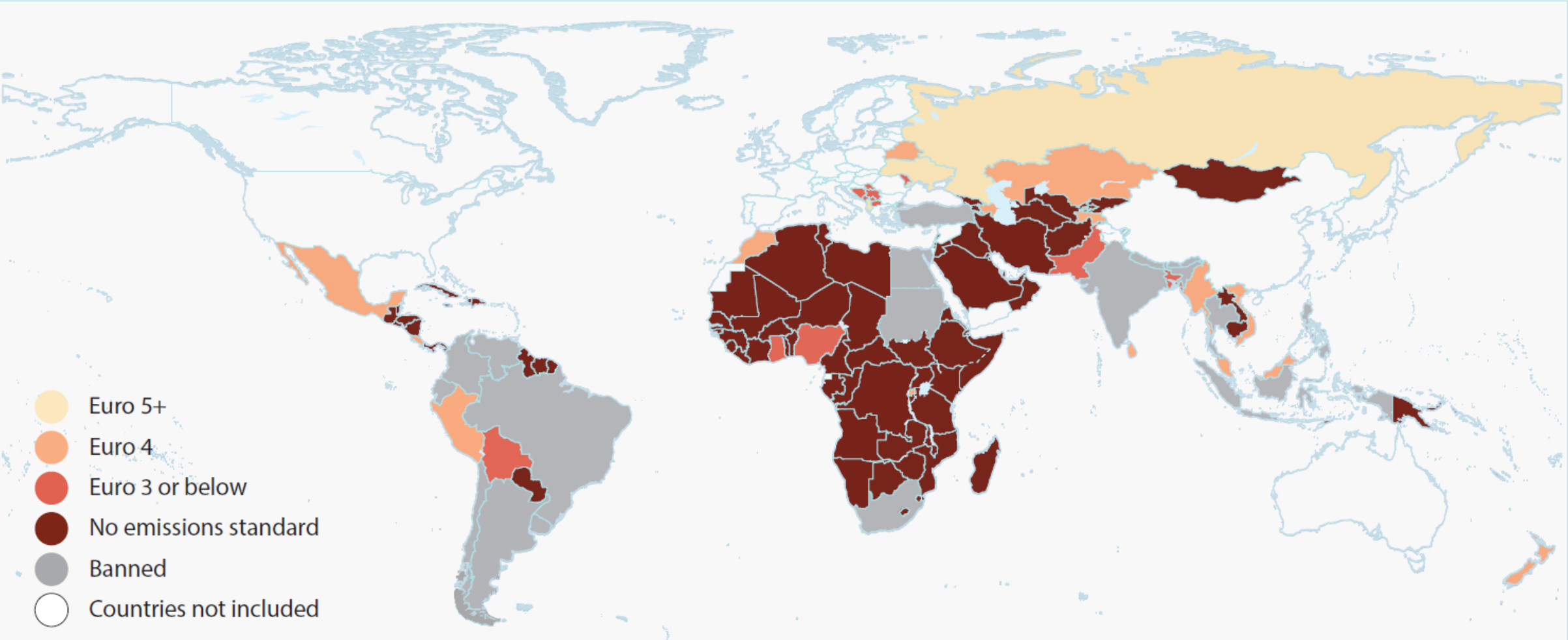
Source: International Energy Agency, 2017

The Global Trade in Used Vehicles



A (20.000-145.000) B (145.000-270.000) C (Higher than 270.000)

Vehicles Emissions Standards – June 2020



Regulatory Regimes for Used Vehicles – UNEP assessment

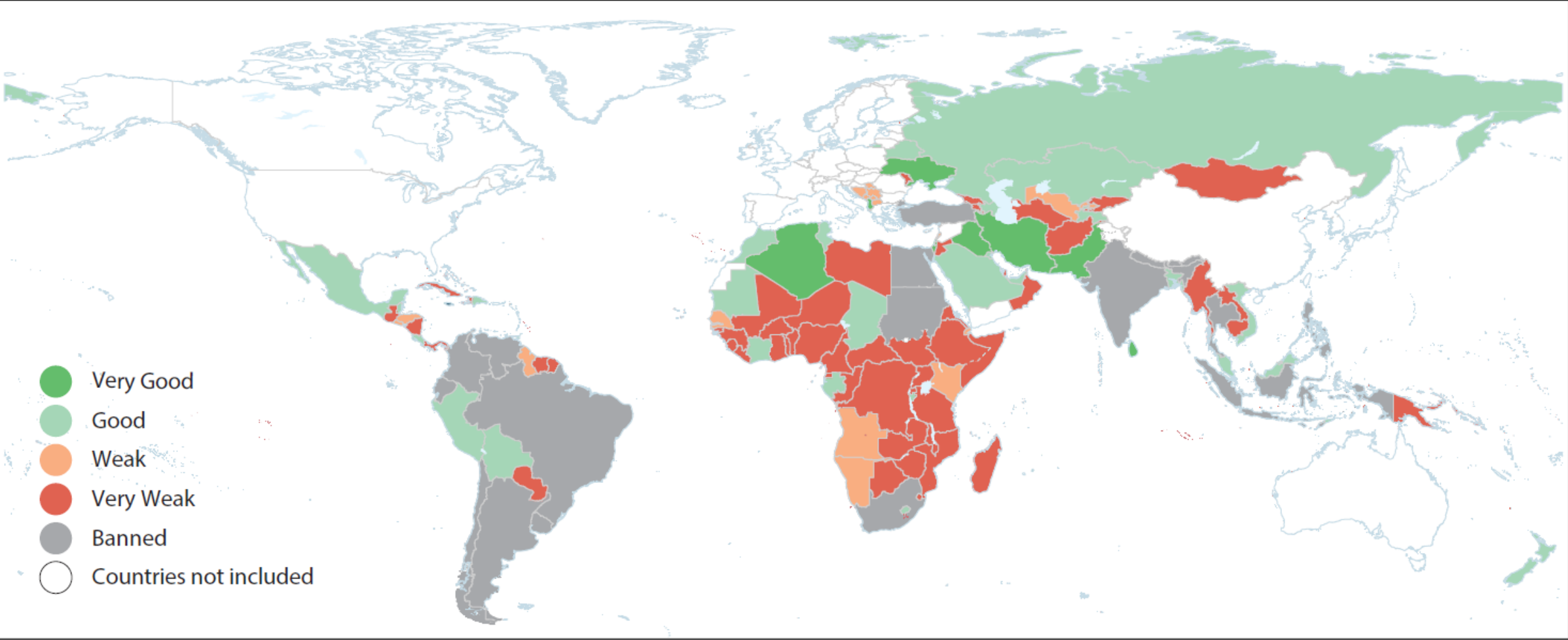
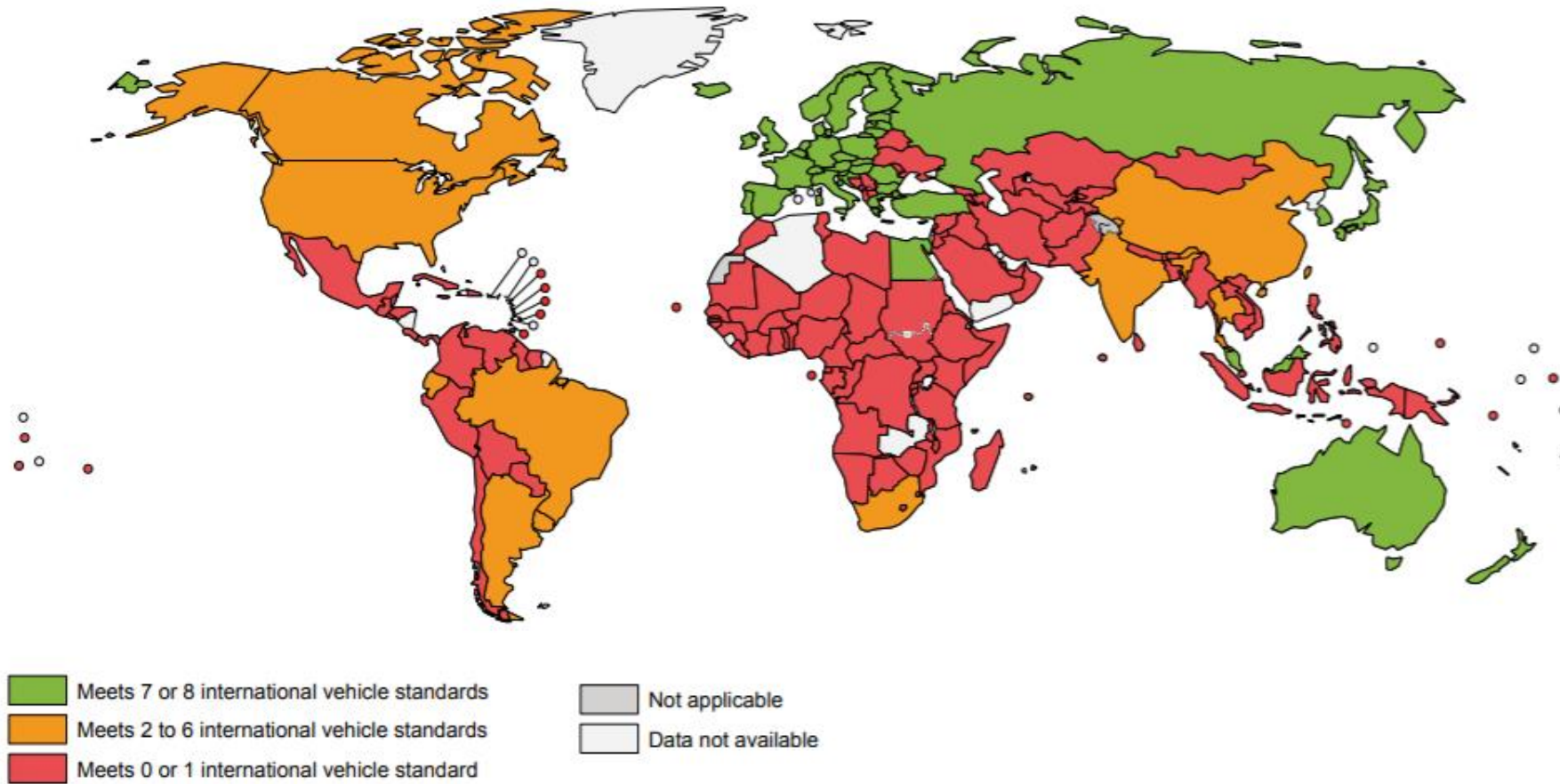


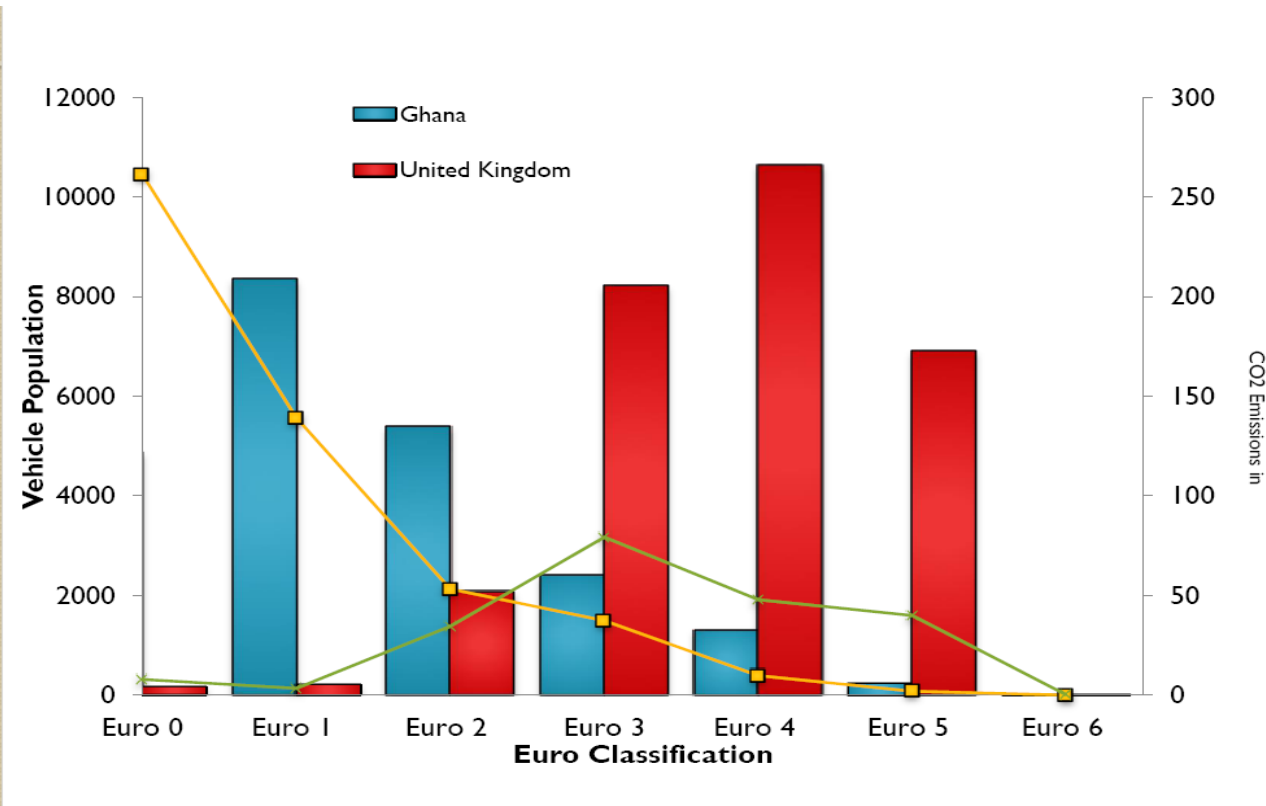
Figure 13: Countries applying UN vehicle safety standards, 2018



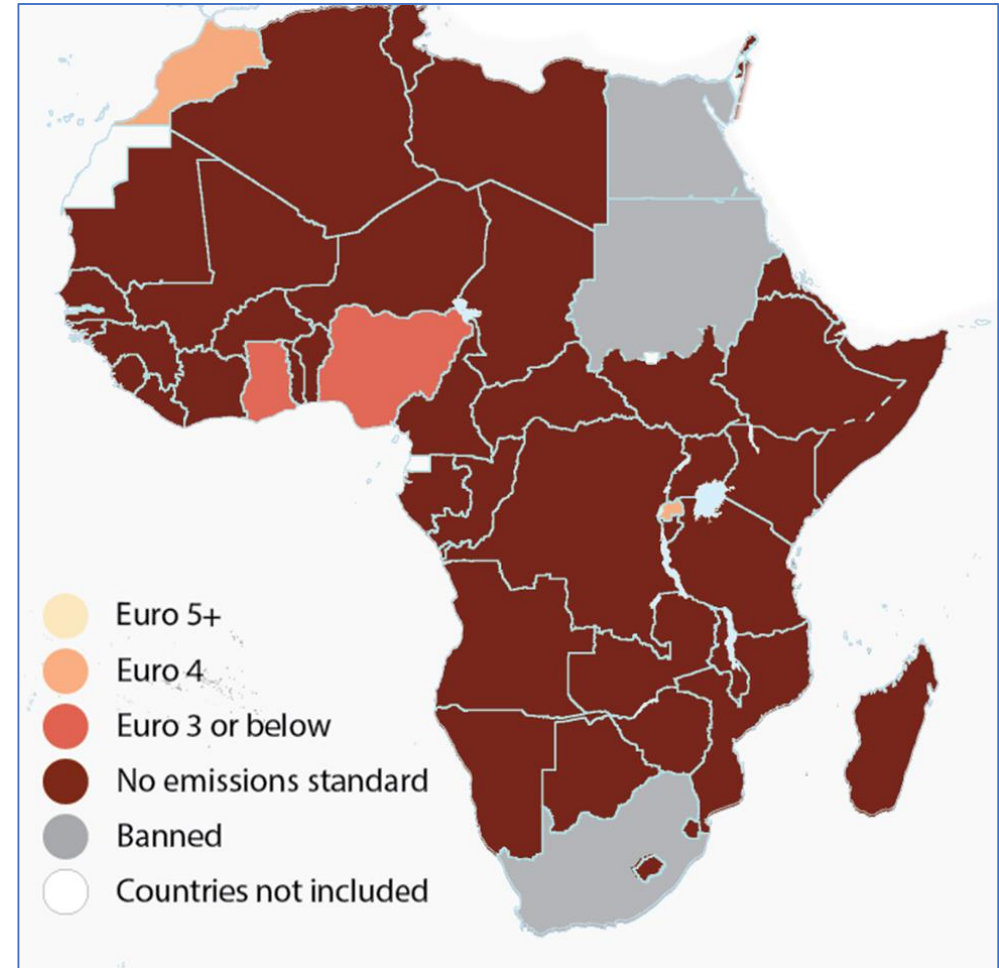
Used vehicles - Example of Nigeria

YEAR	2013	2014	2015	2016	2017	Total	%
NEW	12,992	14,584	8,649	4,977	3,469	44,671	7.06
USED	153,930	162,945	86,307	85,044	103,810	592,042	93.94
GRAND TOTAL	166,922	177,526	94,956	90,021	107,279	636,713	100

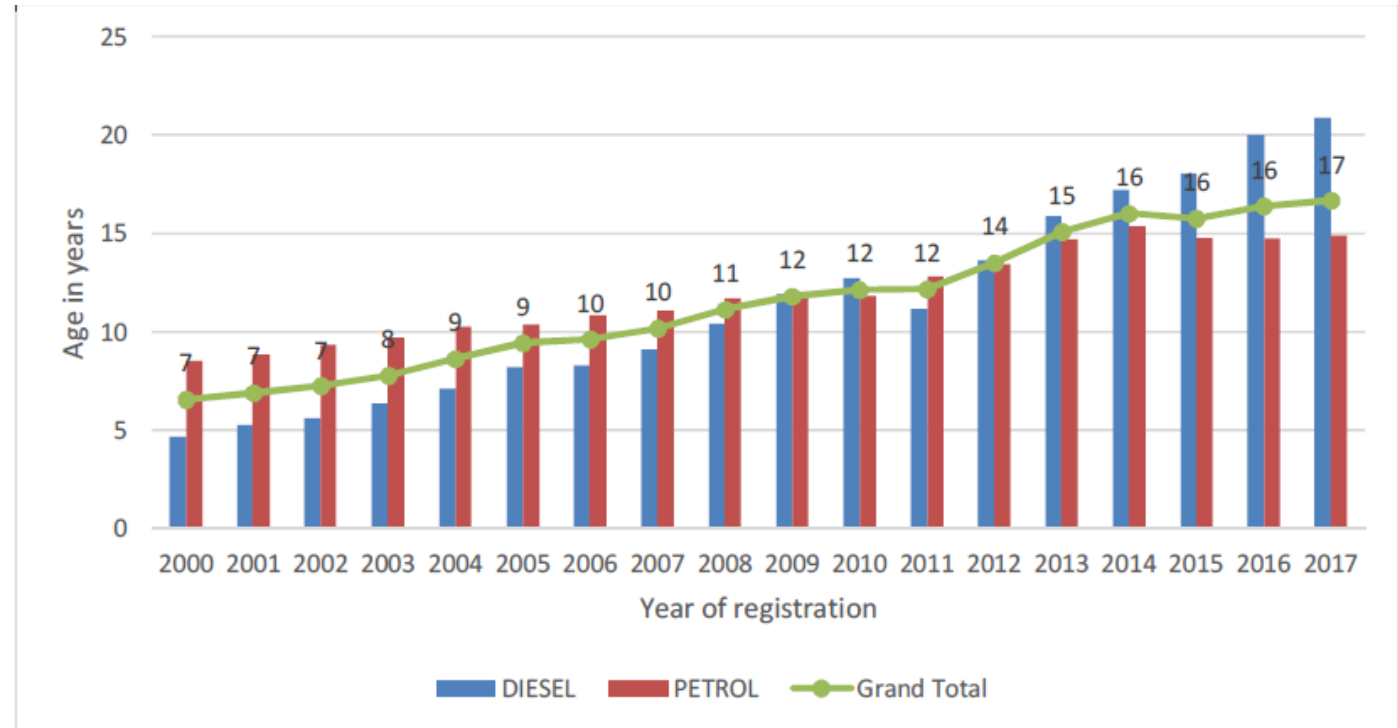
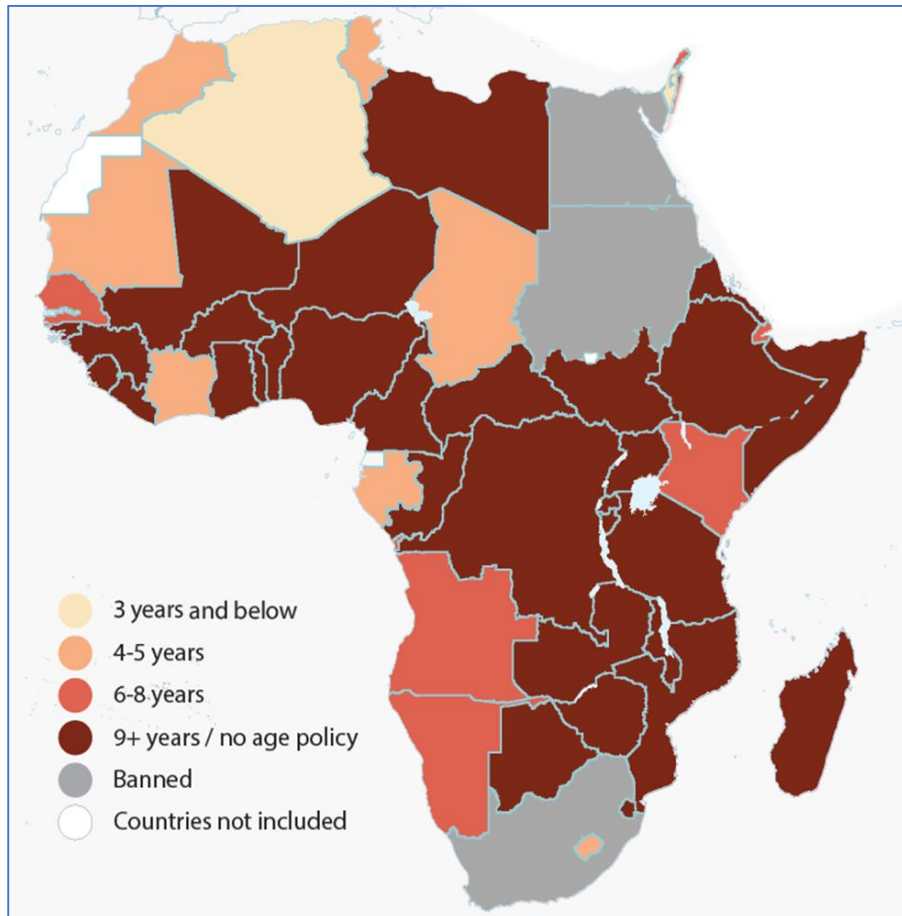
Euro-equivalent Emissions levels: Example of Ghana



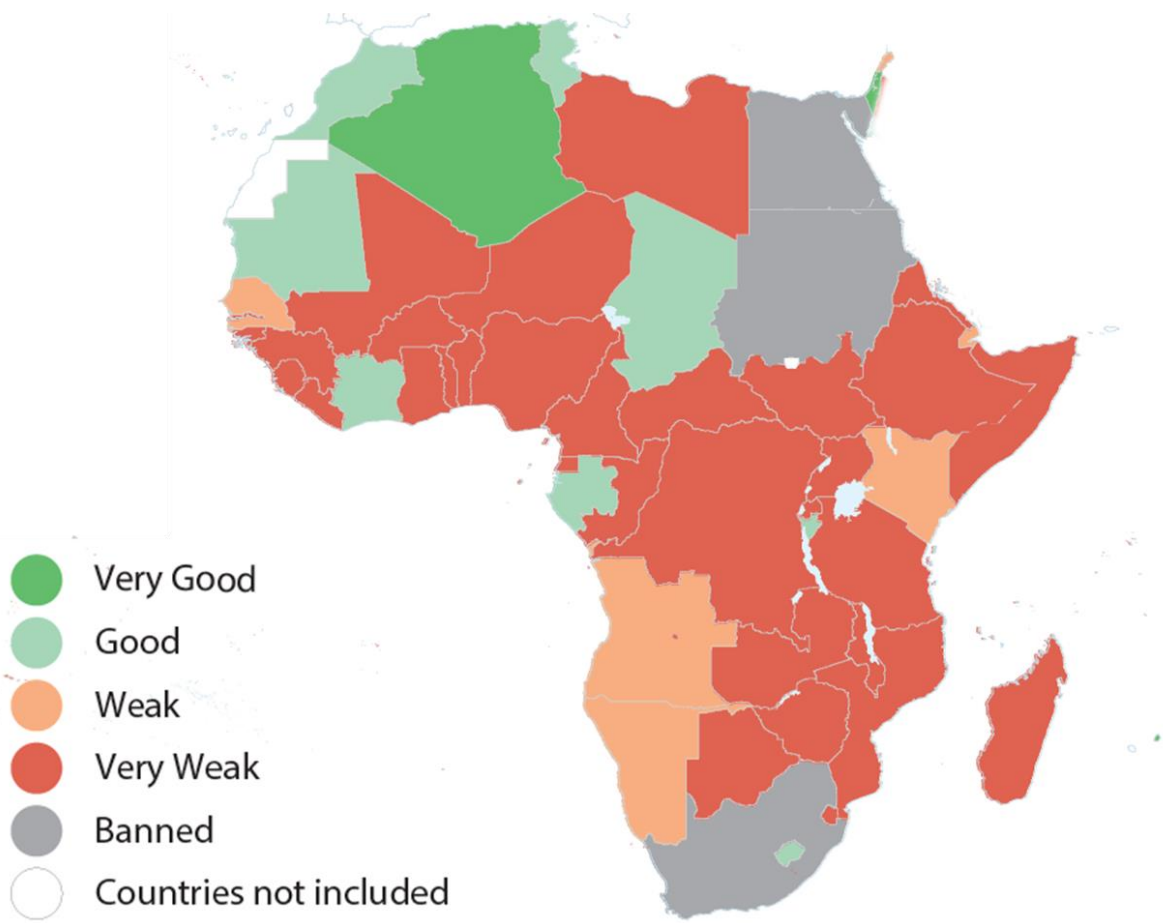
Source: Ghana Ministry of Transport



Average age of newly imported vehicles: Example of Uganda

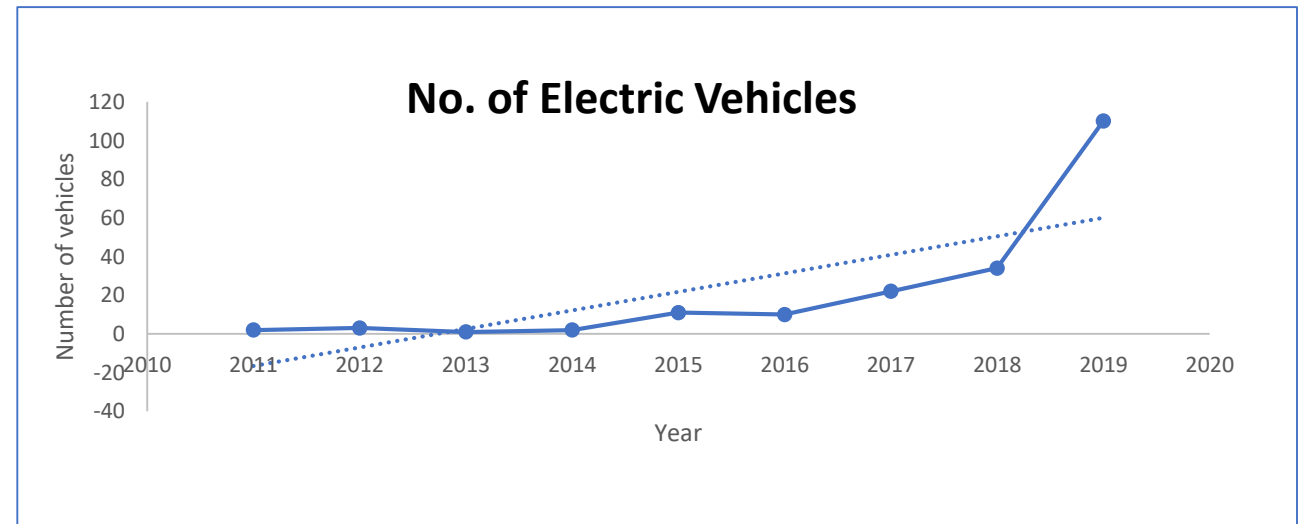
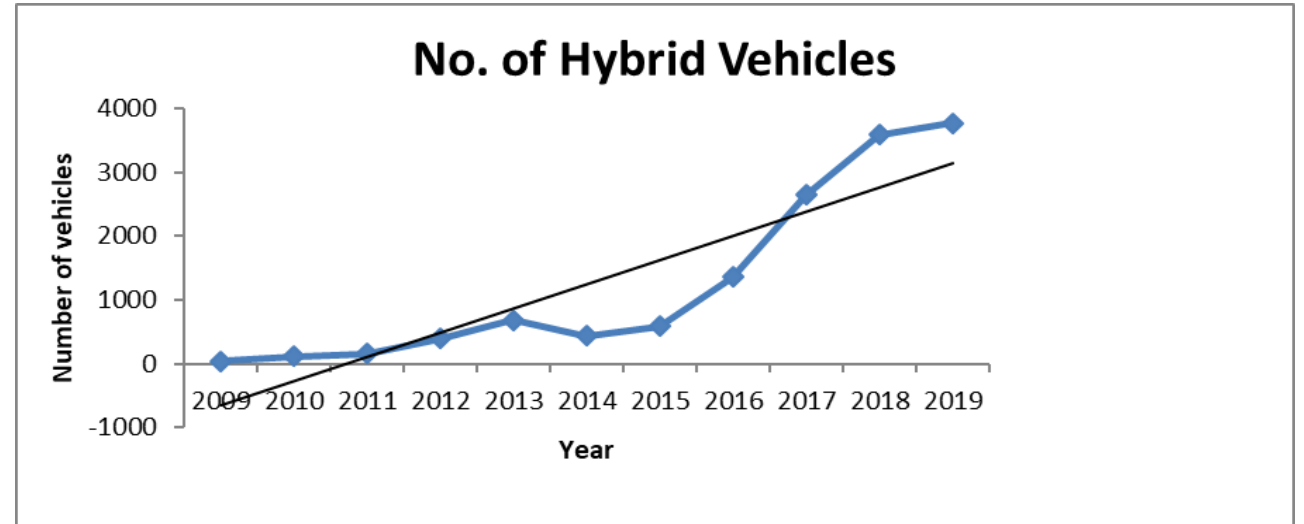


Most countries have weak LDV regulatory framework



Regulatory Environment Ranking (UNEP)	Countries	Region
Very Good	Algeria, Mauritius	2
Good	Chad, Côte d'Ivoire, Gabon, Lesotho, Mauritania, Morocco, Rwanda, Tunisia	8
Weak	Angola, Djibouti, Kenya, Namibia, Senegal	5
Very Weak	Benin, Botswana, Burkina Faso, Burundi, Cameroon, Cape Verde, Central African Republic, Comoros, Congo, Democratic Republic of Congo, Equatorial Guinea, Eritrea, Eswatini, Ethiopia, Gambia, Ghana, Guinea, Guinea Bissau, Liberia, Libya, Madagascar, Malawi, Mali, Mozambique, Niger, Nigeria, Sao Tome & Principe, Sierra Leone, South Sudan, Somalia, Tanzania, Togo, Uganda, Zambia, Zimbabwe	35
Banned	Egypt, South Africa, Seychelles, Sudan	4

Regulations incentivize cleaner LDVs- Example of Mauritius





Safer and Cleaner Used Vehicles for Africa Project

- Funding: UN Road Safety Trust Fund
- Implementing agencies:
 - UN Environment Programme (UNEP)
 - UN Economic Commission for Europe (UNECE)
 - Federation Internationale d'Automobile (FIA)
 - International Motor Vehicles Inspection Committee (CITA)
- Objective:
 - To put in place regulations, standards and processes to ensure that Africa will only receive quality used vehicles, which will have major road safety benefits, for both car drivers and other road users, and co-benefits on the environment and economy.
- Duration: 2020 - 2022



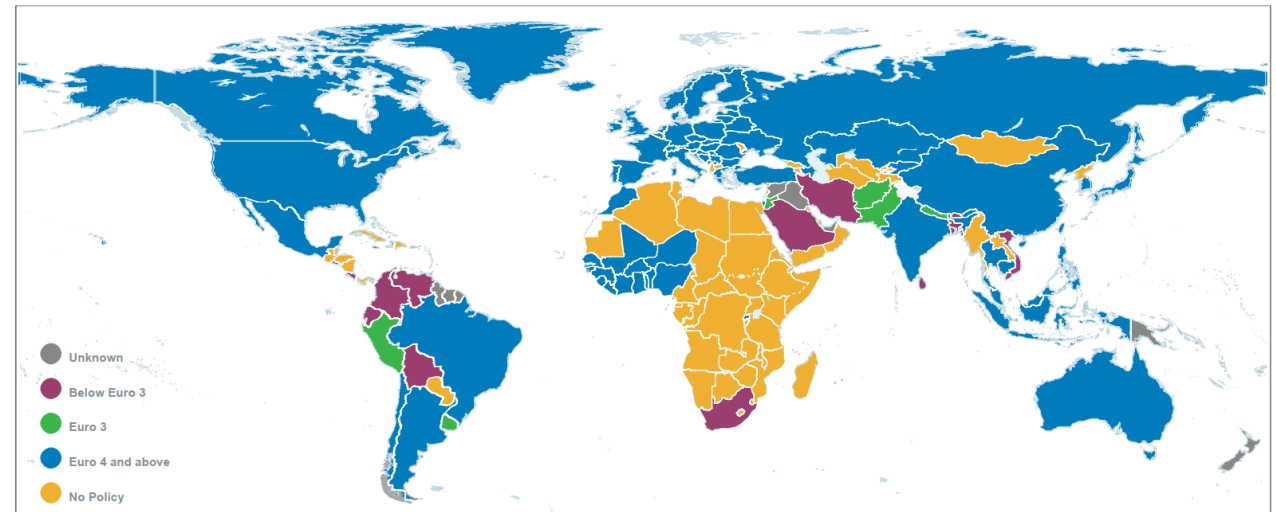
Safer and Cleaner Used Vehicles for Africa: Project Activities

- ***Action Plan with Used Vehicles Requirements for Africa***: exporters and importing African countries agree on minimum standards/requirements for used vehicles
- ***Implementation of the Action Plan***: develop and adopt national standards and policies, and labeling
- ***Inspection and enforcement programme*** to check compliance of used vehicles with the agreed minimum requirements
- ***Training, information and communication***

Safer and Cleaner Used Vehicles for Africa Project: Progress to-date

- ECOWAS clean fuels and vehicles directives adopted in September 2020
- 3 virtual workshops held
 - 16 December 2020 – CITA member and institutional stakeholders meeting on the control of used vehicles
 - 18 December 2020 – 1st Exporters workshop for Safer and Cleaner Used Vehicles
 - 22 February 2020 – 2nd Exporters workshop for Safer and Cleaner Used Vehicles

Light Duty Vehicle Emission Standards



Next Steps: Integrated Approach to Low Emission Transport



Ultra low sulphur fuels

Vehicle emission standards /I&M



Soot free public transport/HDVs

Fuel economy vehicles



Electric Mobility

NMT policies and infrastructure



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www.unep.org/transport

<https://www.unep.org/explore-topics/transport/what-we-do/regulating-used-vehicles>

