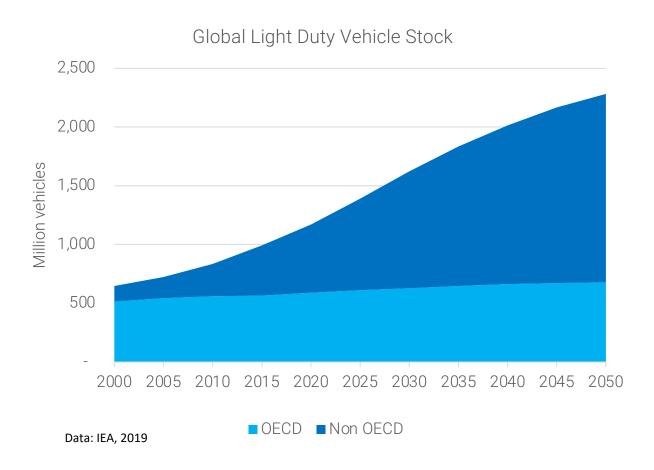


Rob de Jong Head Sustainable Mobility Unit



The Global Fleet is Set to Double...

Almost all vehicles are added in LMICs....



What will those 1+ billion vehicles be?

- ICE or EV? -> ...ICE
- New or used? -> ...increasingly used
- New: locally produced or imported? -> ...increasingly locally produced

Many developing countries dependent on used vehicles to grow their fleets...

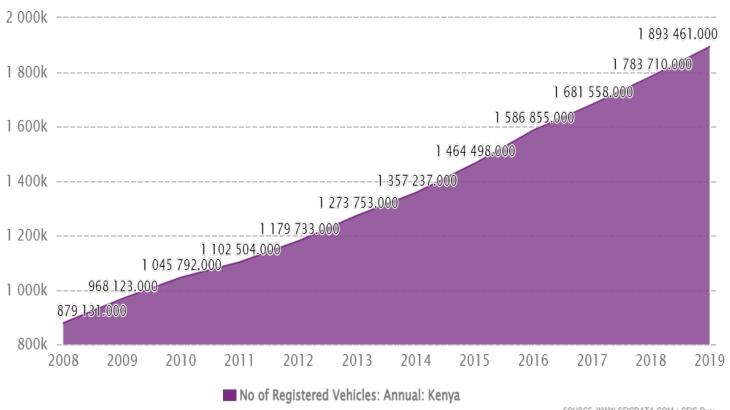
Kenya - 97%

Nigeria - 94%

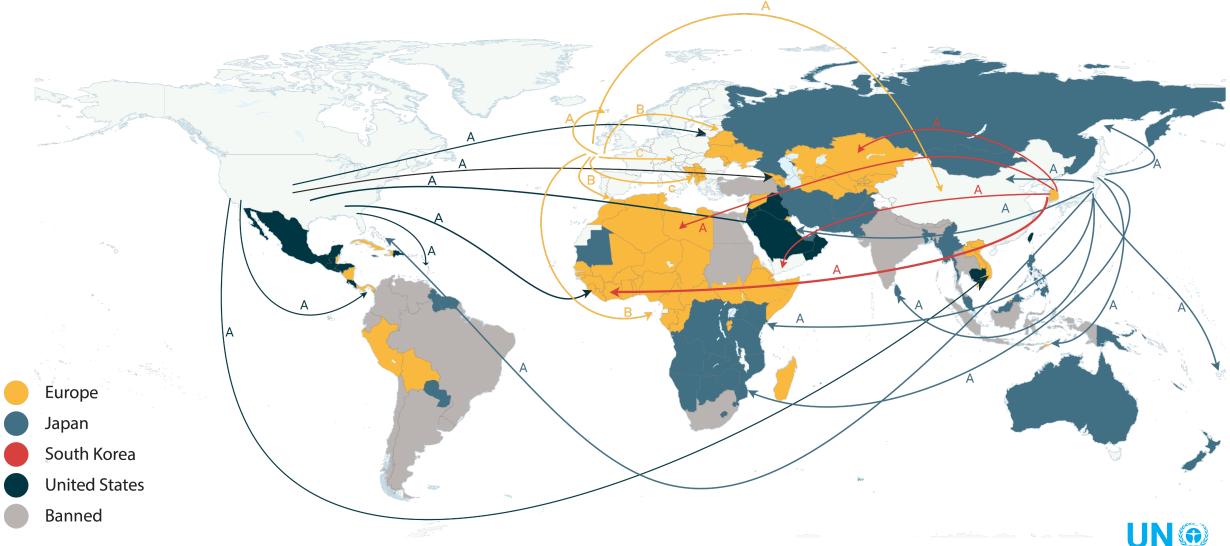
Paraguay - 70%

EL Salvador - 81%

Sri Lanka - 50%



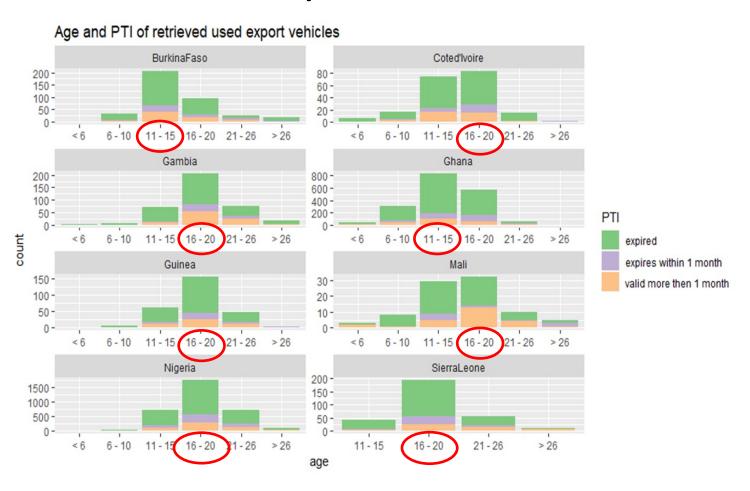
Where do they come from?





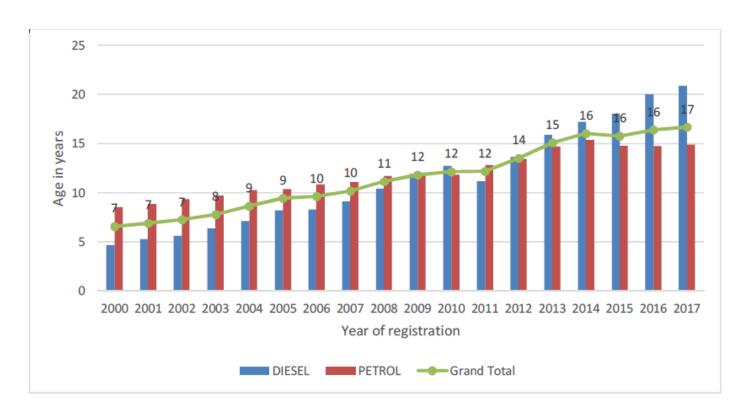
These are old....

EU used vehicles exports to West Africa



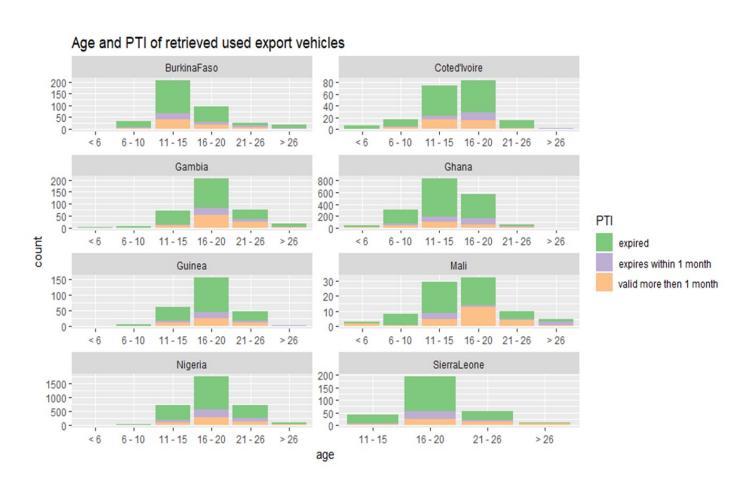
And getting older.....

Average Age of Used Vehicles Imports in Uganda, 2000-2017



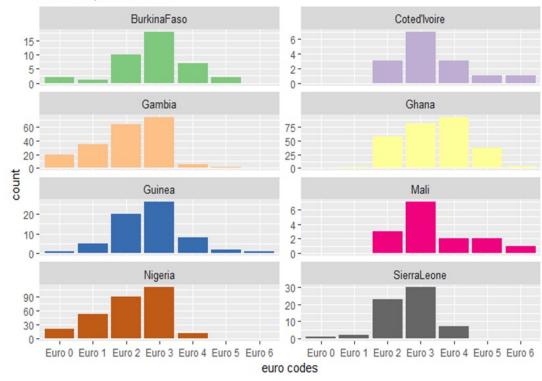
...Uganda's average fuel consumption Uganda fleet about 10% worse than Kenya....

Many are not roadworthy...



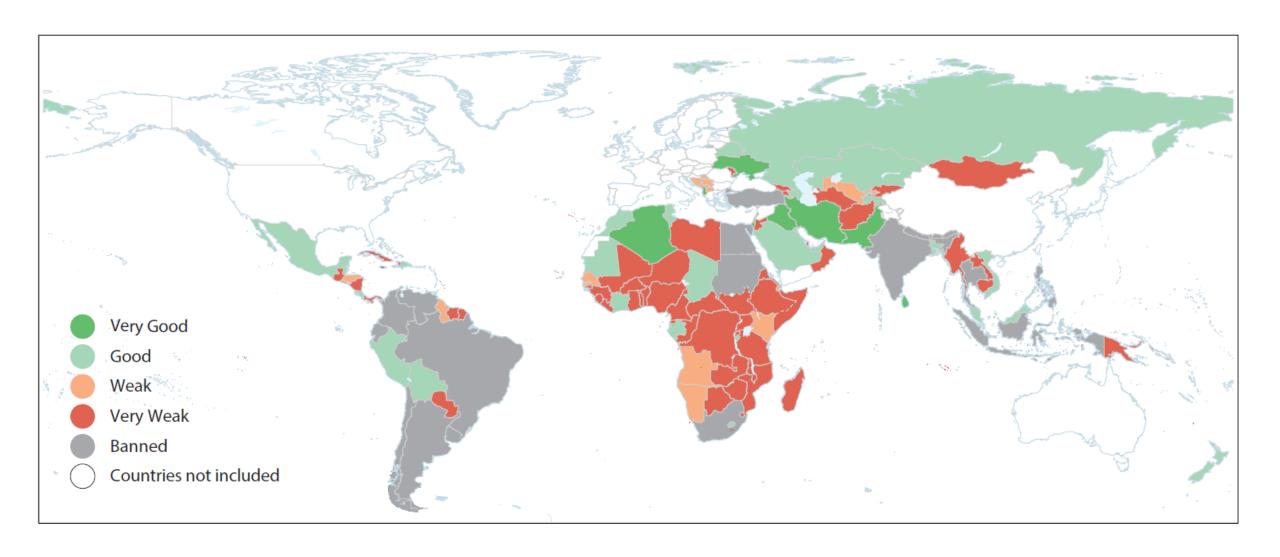
Almost all are pre EURO4....

Euro vehicle diesel, emission standards of retrieved used export vehicles, West Africa

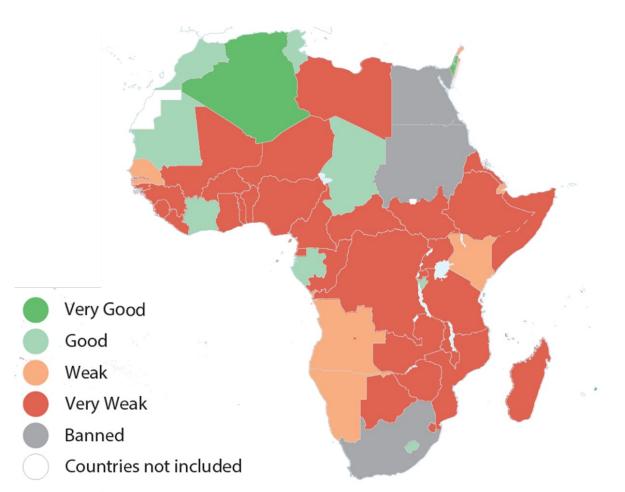




Weak Policies Result in Poor Quality Imports...



Especially in Africa...



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

Promoting Quality Used Vehicles ... UNEP's Used Vehicles Programme

- UNEP Proposal
 - EURO4 minimum harmonized standard
 - Meeting roadworthiness PTI at export
 - Age limit (5 yrs?)
 - Special focus on used (PH)Evs
- UNEP Programme
 - Support importers
 - And exporters
 - Priority Africa
 - Global solution



Achievements pre UNRSF

- 2020 UNEP report "Used Vehicles and the Environment" giving a global overview of the flow, scale and regulatory environment of the trade in used light duty vehicles
- UNEP issues a 2021 update LDV report
- UNEP launches a new global programme to support the introduction of cleaner and safer used vehicles policies
- UNEA5.2 2022 adopts resolution text on used vehicles

UNRSF Support

- 2021 UNRSF Used Vehicles I
 - Eastern and Southern Africa
 - USD 500K
 - UNECE, FIA, CITA, UNEP, with others
- 2022 UNRSF Used Vehicles II
 - Southern and Central Africa
 - And Asia (Cambodia & Mongolia)
 - USD 500K
- 2023 LAC?
- Other support: FIA F, CWF, UNEP, CCAC, Netherlands

Progress and Impacts

Importers

- Country projects many all regions
- Regional Agreements minimum vehicle standards adopted in East (EAC) and West Africa (ECOWAS)

Exporters

- EU has started consultations (new end-of-life vehicles directive)
- Communication and knowledge materials to raise awareness, and knowledge products on information sharing, inspection and monitoring framework developed and disseminated

West Africa - ECOWAS clean fuels and vehicles directives

- September 2020 ECOWAS Council of Minister adopted regionally harmonised fuel and vehicle standards
- New set of fuel quality standards
- EURO4 minimum vehicles emissions standards new & used vehicles
- Used vehicles age restrictions 5yrs for LDV, 10yrs for HDV – 10 yrs to implement
- Adopted fuel economy roadmap



COMUNIDADE ECONOMICA DOS ESTADOS DA AFRICA OCIDENTAL

ECONOMIC COMMUNITY O



COMMUNAUTE ECONOMIQUE DES ETATS DE L'AFRIQUE DE L'OUEST

Original: Prench

FIFTY-SEVENTH ORDINARY SESSION OF THE ECOWAS AUTHORITY OF HEADS OF STATE AND GOVERNMENT

7 September 2020, Niamey, Republic of Niger

FINAL COMMUNIQUE

- The Fifty-seventh Ordinary Session of the Authority of Heads of State and Government of the Economic Community of West African States (ECOWAS) was held on 7 September 2020 in Niamey, Republic of Niger, under the chairmanship of H.E. Issoufou Mahamadou, President of the Republic of Niger and Chair of the Authority.
- Present at the Summit were the under-listed ECOWAS Heads of State or their duly mandated representatives:
 - H.E Roch Marc Christian Kabore, President of Burkina Faso
 - H.E Alassane Ouattara, President of the Republic of Cote d'Ivoire;
 - H.E. Adama Barrow, President of the Republic of The Gambia;
 - H.E Nana Addo Dankwa Akufo-Addo, President of the Republic of Ghana:
- H.E. Umaro Sissoco Embaló, President of Guinea Bissau;
- H.E Issoufou Mahamadou, President of the Republic of Niger;
- H.E Muhammadu Buhari, President of the Federal Republic of Nigeria;
- H.E Macky Sall, President of the Republic of Senegal;



East Africa

- May 2022 East Africa Community Council of Ministers adopted regionally harmonised Euro 4/IV standards, and in-use vehicle emiss limits
- After the EAC standard was gazetted early July, countries have 6 months to adopt standard as national law.
- UNEP support to Kenya and Rwanda
- 2019 Euro 4/IV standards were adopted by both countries
- Rwanda implementation ongoing (COVID delay)
- Kenya implementation date 1 July 2022 for imported used LDVs/MDVs
- import of used buses and trucks is to be banned to grow the local industry
- Court case halted implementation
- The EAC standard followed closely the Rwanda adopted standard as it included comments from WTO etc as it went through international process.
- In the meantime EAC harmonised standard May 2022. Kenya is aligning the national standard with the regional one and they plan to have this finalized and implemented end of the year.



Kenya Bureau of Standards

nt: 020 6948000 | Toll Free (545 | Email: pvoc@kebs.org | www.kebs.org

PUBLIC NOTICE ON IMPLEMENTATION OF KS 1515:2019

Kenya Bureau of Standards (KEBS) is a statutory body established under the Standards Act, CAP 496, of the Laws of Kenya. KEBS is mandated to offer quality inspection of imports based on Kenya Standards or approved specifications among other services.

Following the declaration of KS 1515: 2019 - Road Vehicles — Inspection of Road Vehicles — Code of Practice as a mandatory Kenya Standard by the Cabinet Secretary for Industrialization, Trade and Enterprise Development, KEBS wishes to inform all stakeholders and the general public that effective 1th July 2022:

- All USED passenger Minibuses, Midibuses, Large buses, Single articulated and Bi-erticulated buses and Double-decker buses shall not be allowed for Importation into the country, However, used passenger Microbus (up to 7 m overall length) shall continue to be imported into the country provided they are NOT older than Eight (8) years from the year of first registration.
- All USED rigid Trucks with Gross Vehicle mass (GVM) equal to or greater than 3.5 tons and up to and including 30 tons shall not be allowed for importation into the country.
- Only tractor heads and Prime movers not older than three (3) years from
 the year of first registration shall be allowed for importation. This shall
 apply up to 30th June 2023 after which NO used tractor heads and prime
 movers shall be allowed for importation into the country.
- All other USED Road vehicles not mentioned above shall continue to be imported into the country provided that they are NOT older than eight (8) years from the year of first registration.
- All imported new diesel-powered, and petrol (gasoline) powered vehicles shall be type-approved to meet the requirements of EURO IV/4 before importation into the country.

Importers and members of the public are encouraged to buy the standard from the KEBS library or KEBS webstore - https://webstore.kebs.org to familiarize with the requirements of the standard.

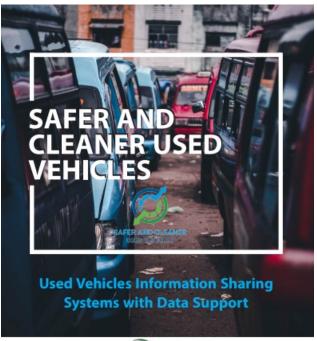
For further clarification, please contact KEBS on Telephone +254 20 6948423 / 456 / 439 / 000 or E-mail: pvoc@kebs.org or info@kebs.org

MANAGING DIRECTOR

KEBS implements as Anti-bribery Management Policy accessible through KEBS Website www.kebs.org

www.kebs.org

















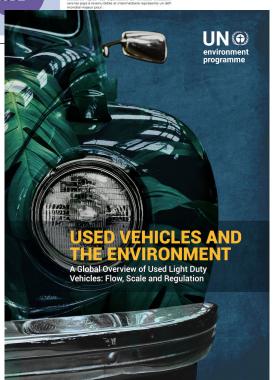


Le parc automobile mondial et la pollution atmosphérique



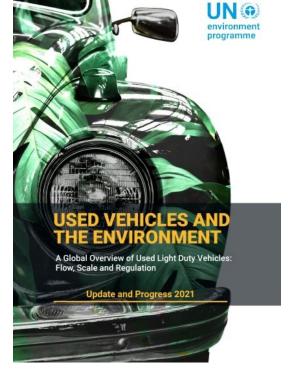












Benefit

Going from: current situation mainly Euro 2&3; average age 18 yrs; no PTI

To: minimum Euro 4; age ~8 yrs; valid PTI

	Key Issue	Benefits
Road safety	Key safety equipment missing or removed – ABS, ESC, airbags; crumple zones	Crash avoidance (ABS); impacts improvements (ESC); reduced fatalities (Airbags); crumple zones (reduced fatalities) – together major reduction of crash impacts (~50%)
Environment	Exhaust filters faulty, missing or removed; reduced fuel economy	Common pollutants reduced by ~80- 90%; increased efficiency/ reduced CO2 emissions – ~5-10%

Next Steps

- Launch new used HDV report; prepare a LDV update report
- Continue to support importing countries adopt quality used vehicles standards
 - EAC / ECOWAS implementation support
 - SADC & ECCASS & Central America standards development
 - + several individual countries
- Develop a process for agreement exporting countries on minimum quality standards for used vehicles
 - EU\ US\ Korea\ Japan (+UK\ UEA)
 - Exporters meeting end 2023
- Political process for global agreement
 - UNEA6
- Other issues circularity/ end-of-life issues

Thank you

Rob de Jong

Head, Sustainable Mobility Unit

rob.jong@un.org

+254-710-602264 (m)

Twitter: <a>@Rob_AQMobility

www.unep.org/transport



