

Climate-smart Trade Facilitation

Digital tools to measure the impact of trade facilitation on CO2 emissions

3 October 2023

Climate-smart trade facilitation: definition



Climate-smart trade facilitation

Reduce the time and costs of the trade procedures while reducing the carbon emissions generated by the same procedures

Trade – Climate Change Nexus

- Global and regional trade volumes increase leads to increased transported hence the increase in GHG emissions due to transport and any carbon-related activities (paper, fuel, etc.);
- Facilitating and streamlining procedures and encouraging introduction of new technologies reduce use of resources such as paper and fuel associated to trade procedures.

Climate-Smart Trade Facilitation is about TRADE...

- Interconnected and globalized global value chains
- Impact of the multilateral and regional Trade Agreements on Trade Facilitation: TFA, PACER...
- Full implementation of WTO TFA expected to increase export volumes by 20% for developed nations and 35% for developing nations.
- Increase in digital economy

Climate-Smart Trade Facilitation is about being SMART!

- Streamlining regulatory procedures is an important way through which the impact of trade transactions on the environment and climate change can be reduced.
- New technologies to digitalize and automate trade and transport procedures are becoming key enablers of a transition towards cleaner supply chains by improving efficiency and optimizing existing processes, while also creating new business opportunities.
- Strong evidence that digital trade facilitation procedures can contribute to reducing carbon dioxide (CO₂) emissions

**Each single end-to-end trade transaction
fully undertaken digitally could save
emissions equivalent to planting 1.5 trees.**



UNCTAD Digital Tools to measure impact on CO2 emissions



Climate-smart TF and Green Customs

- Elimination/reduction of paper use through AW
- Elimination/reduction of physical trips between agencies through SW
- Monitoring of trade of ozone-depleting substances through SW
- Combat environmental crime through eCITES
- Reduction of fuel wastage and unnecessary CO2 emissions with
 - improved maritime logistics and end-to-end supply chain visibility through eg ASYHUB
 - reduction of number of trucks idling at the border through AW



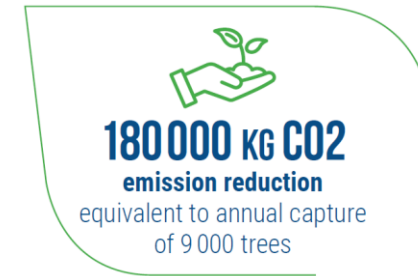
Timor-Leste S



in physical trips
and printed paper



Vanuatu SW



Sri Lanka

- ▶ 1 178 permit requests delivered for the trade of endangered species in 2022

- ▶ CITES permit processing time reduced from 5 days to 27 hours

Timor-Leste : Electronic Single Window

Since the implementation of Single Window for 8 other government agencies and Customs that started in Feb 2021.

A number of processes have been automated which have resulted in a reduction of paper (in pages) required for submission and printing and time for import and export purposes:



Electronic Import Permit
5,292 pages

Electronic release order and exit note
1,080 + 17,232 pages

ASYCUDA world + Port system



With automation no printed paper
0 pages

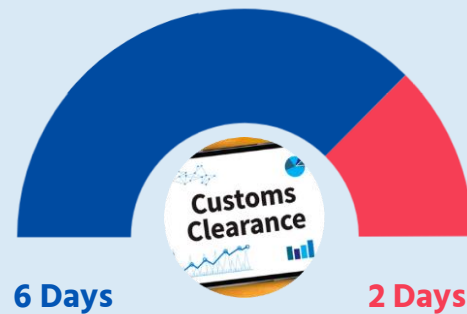
Automation of tax exemption for investors.
18,250 pages

Time saved with automation of import permits and customs clearance

Vehicle Import permit



Customs Clearance Time



Vanuatu : Electronic Single Window

Vanuatu

Telecommunications
Radiocommunications
and Broadcasting
Regulator

Concessions



429 pages
(80.64%)

Total paper saved
(Monthly)



319.17 Kg
(80.64%)

CO2 kg saved
(Monthly)



480 pages
(100%)

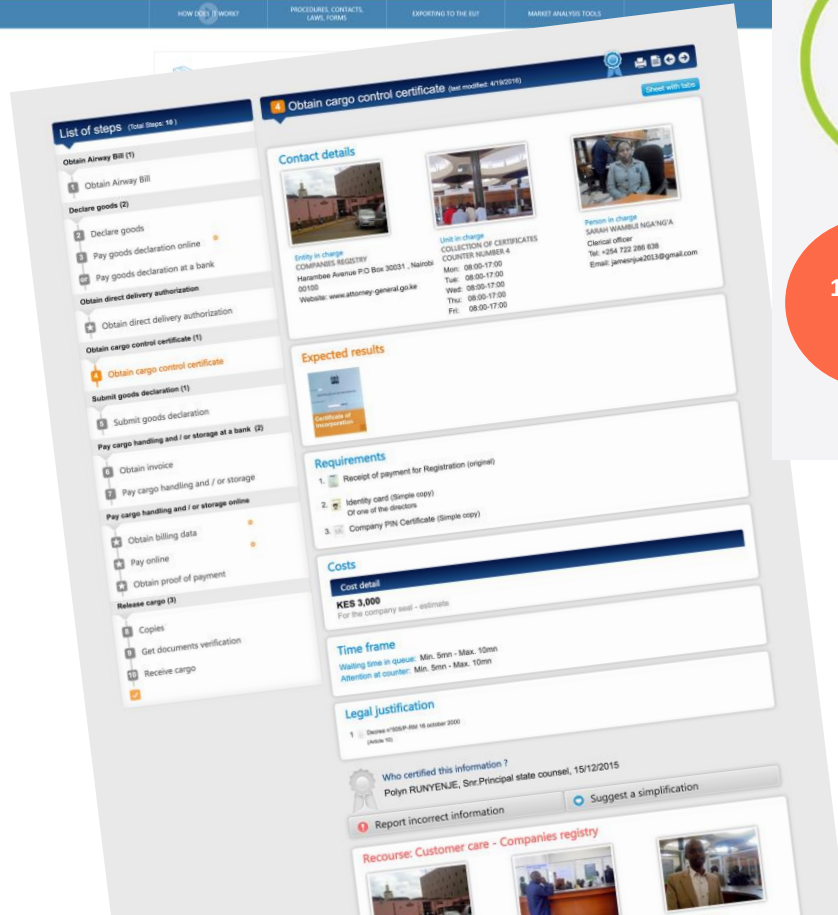
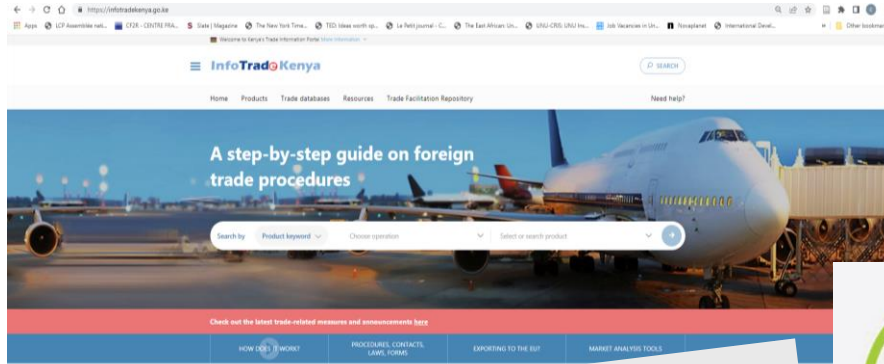
Total paper saved
(Monthly)



357.12 Kg
(100%)

CO2 kg saved
(Monthly)

UNCTAD Trade Information Portals

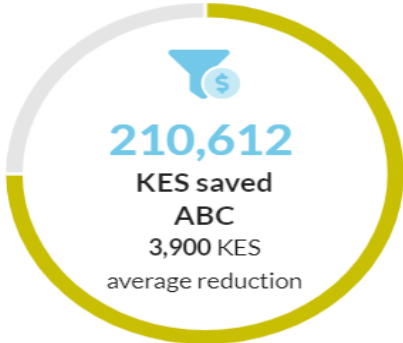
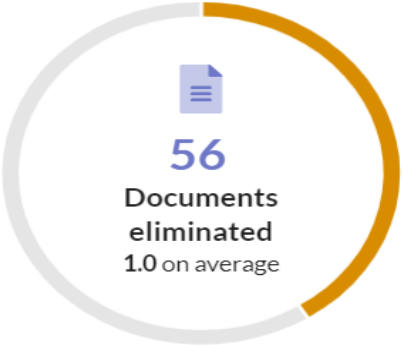
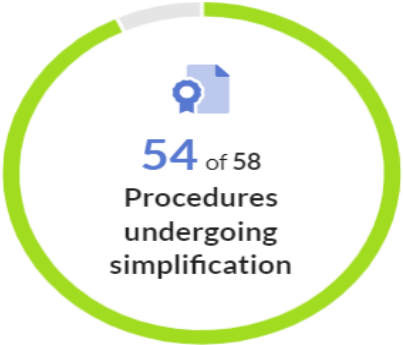


Kenya Trade Information Portal

Simplification dashboard



- Summary
- Priorities
- Work groups
- Publications

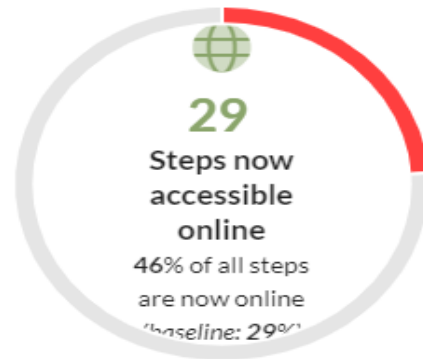
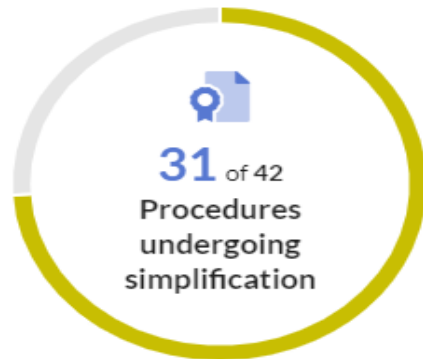


Uganda Trade Information Portal

Simplification dashboard



- Summary
- Priorities
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- Publications



Conclusion

- Facilitating cross-border trade while in parallel focusing on greening the supply chain can have a direct positive impact on reducing CO2 emissions
- UNCTAD is committed to accompany the countries in setting up climate-smart trade facilitation solutions:
 - Calculate and measure the impact of trade procedures to climate change
 - Simplify and streamline the trade facilitation ecosystem, processes and procedures
 - Help strengthen the coordination and cooperation between public and private stakeholders through the NTFCs
 - Help establish digital solutions: TIP, Reform Tracker, eSW, e-certificates

Thank you!

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