



Global Supply Chain
Forum
Barbados
21-24 May 2024



BRIDGING SUSTAINABILITY AND TRADE: ADVANCING CLIMATE ACTION THROUGH DIGITAL INNOVATION

23
MAY



MATTHEW WILSON



INGRID ZABALETA CHAUSTRE



VICTORIA TUOMISTO



STANLEY TRIEF



POUL HANSEN



KEVIN BISHOP

Making Trade Flows
**QUICKER
EASIER
LESS COSTLY**

CLIMATE CHANGE ISSUES

TOPICS
Circular economy policies & principles
traciability standards
digitalization
value chains

AIMS
Foster collaboration and innovation
Exchange best practices
Collectively pave the way forward for a sustainable trade agenda

Trade Information Portals
- simplify procedures for better efficiency
- reduce costs, days
↓
CO₂ reduction



Trade is carbon intensive
23% emissions - transport
7% - International transport
⬆️ in global trade

WTO Trade Facilitation Agreement
Streamline Regulatory processes and invest in Digital T.F. tools

Invest in Trade Facilitation via Digitalization

- reduce/eliminate paper usage
- reduce/eliminate physical trips to authorities
- monitoring trade including its impact on climate change
- reduce wastage (return of goods)

IMPLEMENTATION

Regional level - climate smart Trade facilitation
National level - UNCTAD is working on the calculator to make public soon

Improving Traciability & Transparency via Digital Innovation

FAO - reduction of pests
better practices for water management, soil

FAO + Brazil
① 80% producers come from family farmer
- limited access to training, technical assistance, info on markets, financial services
- not mechanized for production
- small production areas, high production costs
- lack of traciability and connectivity

Cotton industry is very important to the value chain and is expected to have continued growth

Green Transition and sustainability should be on the TF radar

WORSE WITHOUT T.F.

Trade Policy Tools for Climate Change Action

KEY CHALLENGES T.F. Environmental aspects

Carbon emissions
paper - production, transportation, deforestation
waste - accumulation of parts, improper disposal
illegal trading - protected species, prohibited commodities

NTFC's can check to see if the plans address these

SOLUTIONS

digitalization (address fragmentation)
virtual line management system
- appointment booking system for border
- other measures to improve efficiency
system at the borders
- to reduce emissions etc.
multi-lateral environment agreements - using necessary goods, risk management

ASSESSMENTS

Product Life Cycle Analysis
Inclusive Chains: Family Farming Cooperatives
Accompanying chain actors on the road to sustainability: Agriculture + Textiles + Digital tools
Stakeholders commitment to integrate and make transparent practices along supply chain
Digital Literacy of Farmers
Digitalized management and records of agricultural practices on the field.

OPPORTUNITIES

Efficient & Competitive Logistics systems
Digital Transformation
Promote implementation of NTF measures
Sustainable Productive linkage
Trust Mechanism - Transparency
- shows proof this is the best for cotton sector

UNECE is supporting NTFCs in adopting digital processes

ADVOCATE FOR BETTER DIGITAL FOOTPRINT IN BUSINESS

ENHANCE SUCCESS STORIES

Ozone Depleting Substances Module (ODS)
linked to customs clearance (enhanced control)
Energy Efficient Appliance Module
used to regulate energy efficient appliances for import

System to Implement Humanitarian supplies during disasters
very helpful for Vanuatu's resilience

UNECE (research for more)
Key standardization needs (due diligence for supply chains)
transparency & traciability
uniformed adherence to best practices

paper based, manual trade is ineffective
Electronic business is the focal point for the UN for developing and maintaining standards and best practices

DIGITAL DIVIDE HIT HARD
↓
INVEST IN IMPLEMENTED DATA, STANDARDS, DIGITAL SOLUTIONS INTO OUR NATIONAL SYSTEMS

**SAVE MONEY
SAVE EMISSIONS**

STANDARDIZATION MATTERS

People are willing to pay a higher price when they know what the value chain is like

The Illustrations are those of the Artist and do not necessarily reflect the views of UNCTAD or its officials or Member States.