

Investment, Enterprise and Development Commission
Tenth session

Promoting and strengthening synergies among
the three pillars of work related to science,
technology, and ICT



Research and analysis



Technical assistance



Consensus building



UNITED NATIONS
UNCTAD

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3-7 December 2018, Geneva

The three pillars

Research and analysis

- Flagship reports
 - Digital Economy Report
 - Technology and Innovation Report
- Current studies on STI
- New framework for STI policy reviews
- Technical notes
- Policy Briefs

Technical assistance

- ICT and STI policy reviews
- eTrade for All
- Rapid eTrade Readiness Assessments
- Law reform programme
- Information economy statistics
- ASYCUDA
- Seminars, trainings, workshops

Consensus building

- CSTD
- ECOSOC/GA
- Technology sessions at TDB
- IGE on e-Commerce and the Digital Economy
- MYEM on harnessing STI for the SDGs
- E-Commerce Weeks
- G-20
- Inter-agency activities

Interaction and feedback loops between three pillars



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Interaction and feedback loops between three pillars



1. Research and analysis

UNCTAD Flagships

▶ Flagship reports

- ▶ Technology and Innovation Report 2018 - Harnessing Frontier Technologies for Sustainable Development
- ▶ Digital Economy Report 2019 (forthcoming, former Information Economy Report) - Value Creation and Capture: Implications for Developing Countries

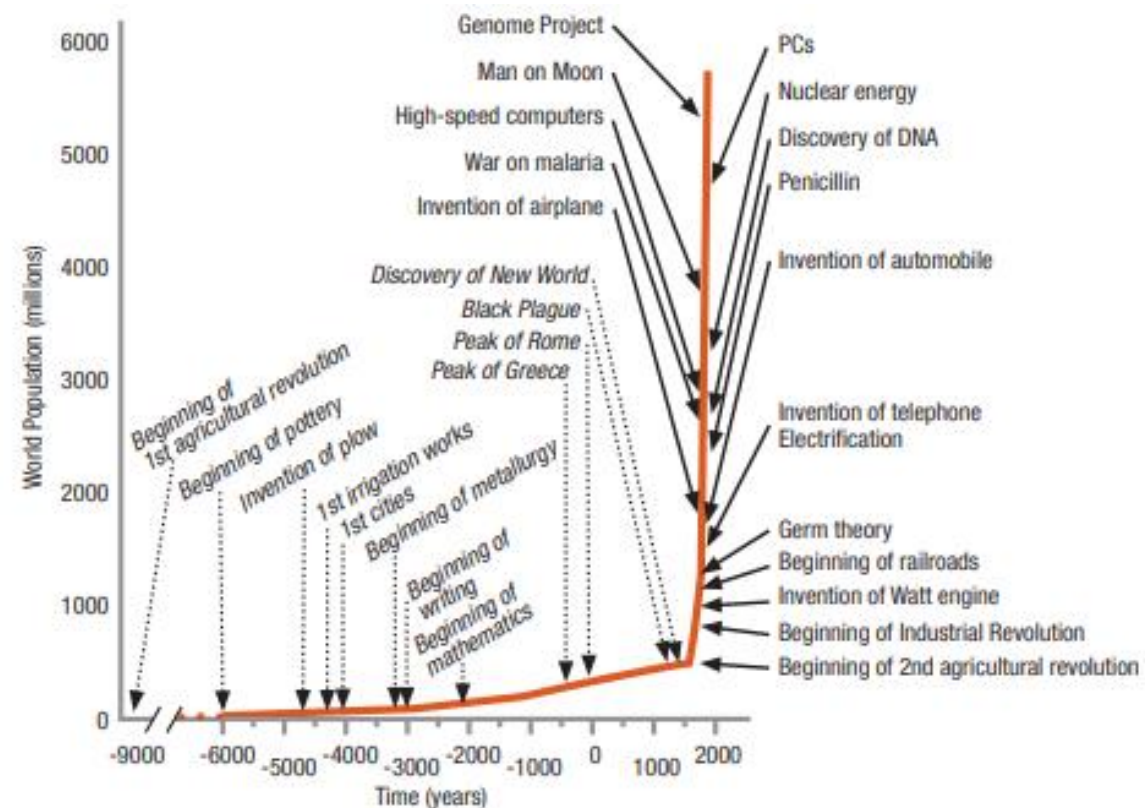
▶ Designing new framework for STI policy reviews

▶ Policy briefs

- ▶ No. 64 - Digitalization and Trade: A holistic policy approach is needed
- ▶ Making digital platforms work for all (forthcoming)
- ▶ Leapfrogging Technologies: Look before you leap? (forthcoming)



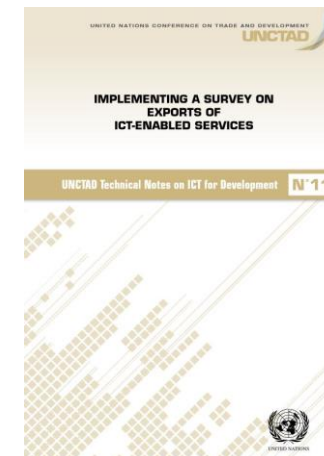
Figure 1: Technological advances build on previous technological advances



Research and analysis

- ▶ **UNCTAD Technical Notes on ICT for Development**
 - ▶ Updating the Partnership Definition on ICT Goods from HS 2012 to HS 2017
 - ▶ Implementing a Survey on Exports of ICT-enabled Services

- ▶ **Current studies on STI**
 - ▶ The role of STI in promoting renewable energy by 2030 (forthcoming)
 - ▶ Building digital competencies to benefit from frontier technologies (forthcoming)



Topic	Issues discussed
Renewable energy	Modernizing grids, intermittency, storage, energy access, mini-grid and off-grid solutions, cooking with renewable technologies, etc.
Digital competencies	Digitalization and labor market, digital competencies for future employment, online learning, massive open online courses, etc.

STI for Logistics

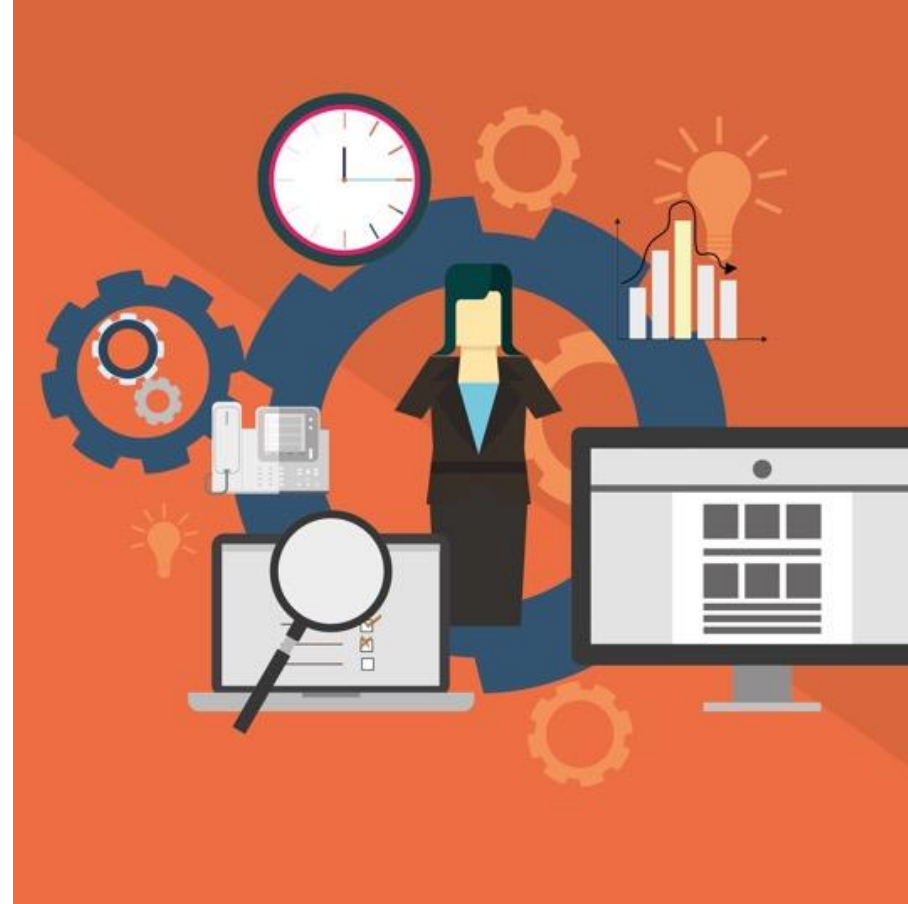
▶ UNCTAD Review of Maritime Transport

- ▶ Digitalization cross-cutting issue of the RMT 2018. Key developments in blockchain, Internet of Things, automation
- ▶ Digitalization identified as key development for the future of trade logistics in special RMT50 publication

▶ Trade Logistics at core of e-commerce

- ▶ Trade Logistics on E-Trade4All platform
- ▶ Collaboration on research, forums, assessments and platforms. Example of ITTI (Intelligent Tech & Trade Initiative) session at E-commerce week
- ▶ Growing coverage of digitalization issues at Transport and Trade Facilitation Newsletter





2. Technical assistance

Policy Reviews

▶ ICT policy reviews

- ▶ Objective is to leverage e-commerce as a catalyst for innovation, growth, trade and social prosperity
- ▶ Give policy recommendations aimed to strengthen performance in seven key policy areas related to e-commerce
- ▶ The **Egypt** National E-commerce Strategy was launched in 2018, **Oman** and **Rwanda** E-Commerce Strategies should be concluded in December 2018. Requests from **Azerbaijan** and **Botswana**.



STIP Review meeting with stakeholders in Uganda, October 2018



▶ STI policy reviews

- ▶ Objective is to strengthen the capacity of countries to use STI policies to achieve the SDGs
- ▶ Assess national innovation system and priority sectors/industries
- ▶ Provide recommendations to improve technological capabilities and encourage innovation
- ▶ Use multi-stakeholder approach to build national consensus
- ▶ STIP reviews of **Ethiopia** and **Uganda** are ongoing, **Botswana**, **Panama**, **Sri Lanka** and **Zambia** in progress

Ecommerce and the Digital Economy



▶ eTrade for all

- ▶ Bring together public and private parties that can contribute towards improving ability of developing countries to use and benefit from e-commerce
- ▶ Enable developing countries to find out more easily what assistance is available to them
- ▶ 31 partners

▶ Rapid eTrade readiness assessments

- ▶ Objective is to enhance the capacity of countries to assess their current strengths, weaknesses, gaps and opportunities in the seven policy areas
- ▶ 15 eTReady assessments will be completed by end of 2018, and 10 more are in the pipeline.

Burkina Faso
Evaluation rapide de l'état de préparation
au commerce électronique



Liberia
Rapid eTrade Readiness Assessment



République du Sénégal
Evaluation rapide de l'état de préparation
au commerce électronique



République togolaise
Evaluation rapide de l'état de préparation
au commerce électronique



Lao People's Democratic Republic
Rapid eTrade Readiness Assessment



Myanmar
Rapid eTrade Readiness Assessment



Solomon Islands
Rapid eTrade Readiness Assessment



Republic of Vanuatu
Rapid eTrade Readiness Assessment



Building Capacity for STI

Participants of the workshop in Guangzhou
China, September 2018



Field visit during the workshop in Wuhan Optical Valley
China, September 2018

- ▶ Ministry of Science and Technology of China and UNCTAD joint **STI capacity-building workshops** for CSTD developing country members (32 STI policy makers and experts trained altogether from 16 countries)
 - ▶ **Guangzhou, China: STI Policy and Management for Sustainable Development**
 - ▶ **Wuhan, China: High-Tech Park and Incubator Development**
- ▶ **Talented Young Scientist Program** jointly organized by Ministry of Science and Technology of China and UNCTAD. 24 young scientists from CSTD developing countries will be able to work in top research institutes in China on a full-time basis.

Cyberlaw programme

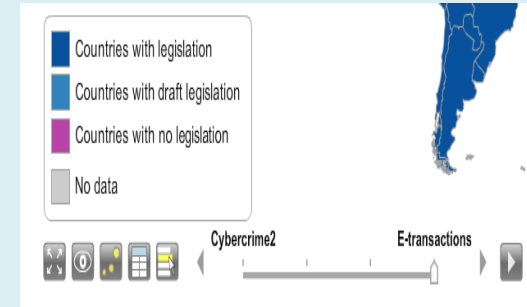


Global Cyberlaw Tracker: first global mapping of cyberlaws

- A global legal database on e-transactions, data protection, consumer protection and cybercrime, available online:

http://unctad.org/en/Pages/DTL/STI_and_ICTs/ICT4D-Legislation/eCom-CyberlawTracker.aspx

Only 56% of African countries have laws on eTransactions; 52% on Cybercrime; 43% on Data Protection; and 37% on Consumer Protection



- Distance learning and face-to-face Train for Trade programme on cyberlaws in Madagascar in February
- Digital Identity programme launched in September. Piloting in ASEAN (Indonesia, the Philippines, and Singapore)

Delivering as One

- ▶ UNCTAD-ESCWA-UN IATT capacity-building course in Jordan on five aspects of innovation: policies, conceptual framework of the STI for SDGs, design and implementation, as well as monitoring and evaluation
- ▶ UNCTAD contribution to UNDP/ESCWA Workshop on Technology and Innovation in Bahrain on means of economic diversification for Bahrain and MENA and on role of STI policy in promoting economic diversification
- ▶ UNCTAD contribution to UNECE/ESCAP Workshop on Strengthening Technology Transfer in Central Asia in Kazakhstan on financing technological innovation, and channels and policies for technology transfer
- ▶ In November 2018, an Expert Group Meeting on Assessing Regional Integration in Africa (ARIA) IX reviewed an UNCTAD contribution on e-commerce and integration in a digitalizing Africa, as part of the discussion of issues related to the AfCFTA.
- ▶ UNCTAD co-organized with the Government of Azerbaijan the Baku E-Trade Forum 2018, the first regional e-commerce forum for Central Asia in September 2018. Approximately 400 attendees from 20 countries learned about e-commerce strategy formulation.

Delivering as One

- ▶ From January to March 2018, UNCTAD co-organized with ITC, CUTS and the GIP the **Diplo Foundation Course on Digital Commerce** in Geneva, for approximately 200 government delegates from more than 70 countries. The co-organizers also delivered short capacity building sessions during the UNCTAD E-Commerce Week 2018.
- ▶ E-commerce issues also included in the **UNCTAD Empowerment Programme for National Trade Facilitation Committees** in support of WTO TFA implementation. Excellent collaboration with DIAE on trade facilitation and trade information portals. Jointly implemented in 15 countries.
- ▶ With the assistance of UNCTAD, **Costa Rica, India and Thailand** carried out **pilot national surveys to measure exports of ICT-enabled services**, with the first published results by India in October 2018. The survey questionnaire was developed by UNCTAD with the Inter-Agency Task Force on International Trade Statistics.

ASYCUDA--the largest technical assistance programme of UNCTAD

- ▶ Objective: Modernization of customs to speed up, simplify and automate the goods clearance process through reform of legislation and procedures, use of state-of-the-art information technology, and proven customs field experience



High-Tech Digital Solution in Developing Country Setting

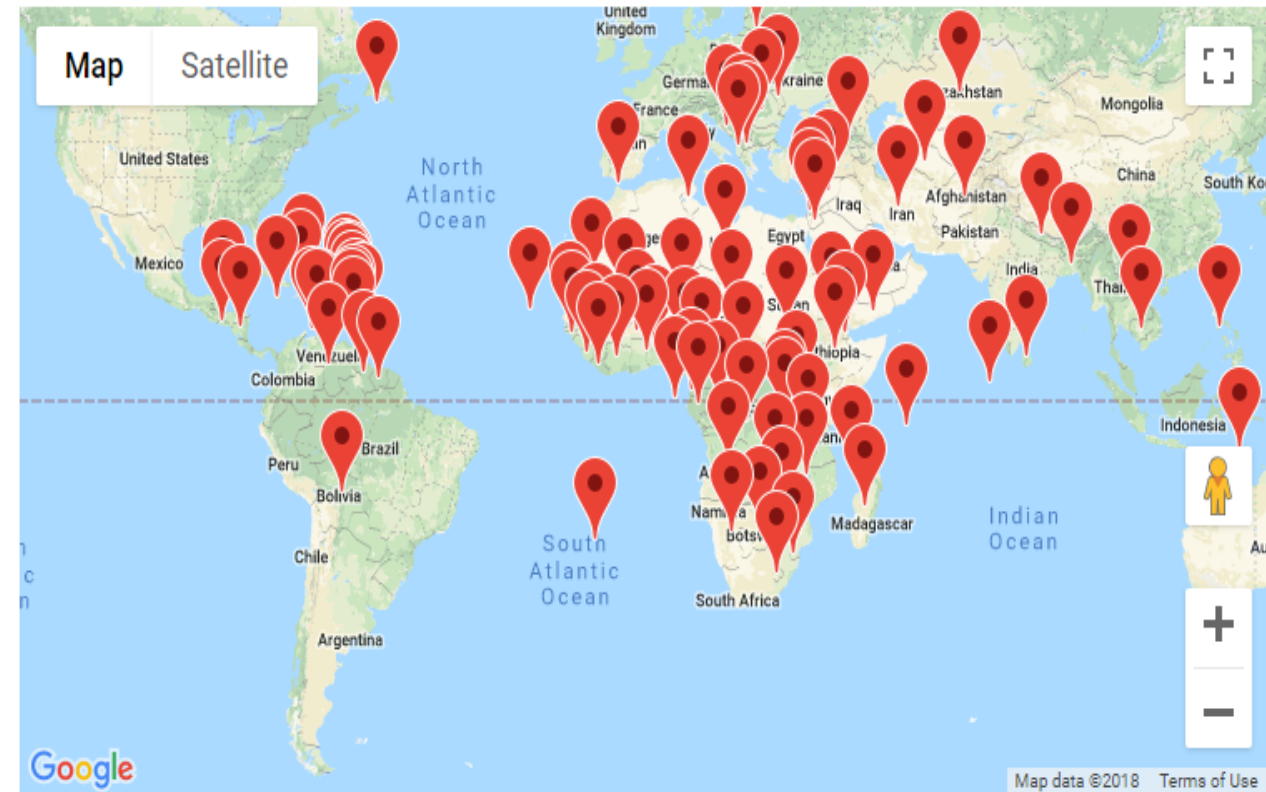
▶ Benefits

- ▶ Compliance with international standards & best practices
- ▶ Transparency of operations
- ▶ Strengthen collaboration with trade facilitation stakeholders
- ▶ Delivery of comprehensive capacity building programs for system sustainability
- ▶ Timely and accurate trade statistics
- ▶ Increased South-South Cooperation

▶ ASYCUDA in 2017-2018

- ▶ ASYCUDA runs in 94 countries; \$19-\$20 million operation; accounts for 50% of UNCTAD TC
- ▶ 79 ASYCUDA operational technical assistance projects including 8 regional/inter-regional projects
- ▶ Over 340 advisory missions, 265 training sessions, both technical and functional, for an audience of more than 2,500 participants in the field

ASYCUDA operating in 94 countries



ASYCUDA IMPACTS

Jamaica

- ▶ Enhanced revenue collection by 20%
- ▶ 70% of cargo released within 24 hours after submission of the customs declaration

Angola

- ▶ Paper work for goods clearance reduced by 70%
- ▶ Customs clearance process accelerated; reduced from 30 steps to 7

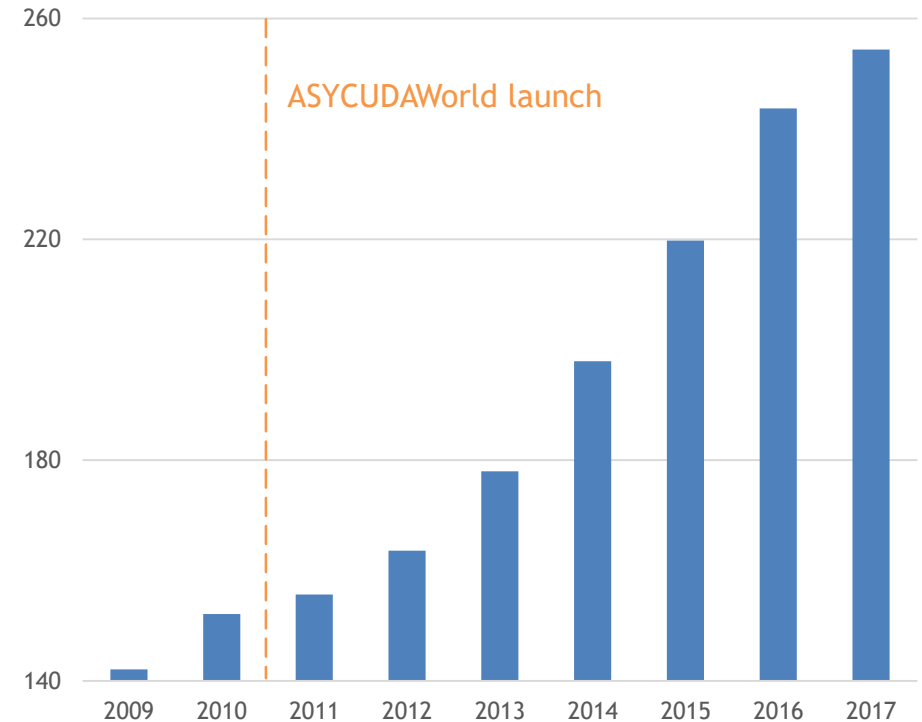
Belize

- ▶ Customs revenues increased by 39% in 2015 and 16% in 2016
- ▶ Decrease in the overall customs intervention rate from 91% (2011) to 45% (2017)

“ASYCUDA has actually facilitated trade - it has helped us in the region to connect”

Mr. Malas, Director of Vanuatu’s Customs and Inland Revenue Service

Belize Customs annual revenue evolution
(in millions USD)



Overview



3. Consensus building

Commission on Science and Technology for Development: The focal point of the UN system on STI policy dialogue

- ▶ CSTD twenty-first annual session, May 2018
 - ▶ Ministerial roundtables on the role of STI in supporting sustainable and resilient societies and on the impact of rapid technological change on the achievement of the SDGs
 - ▶ Two priority themes on renewable energy and building digital competencies
 - ▶ WSIS follow-up
 - ▶ Conversation with Great Minds
 - ▶ CSTD/ECOSOC resolutions on STI for development and WSIS follow-up
- ▶ Regional consultations in preparation of the twenty-second session of the CSTD: for Asia Pacific at ESCAP, Thailand; South Africa
- ▶ CSTD and CSW working together: Applying Gender Lens to STI, January 2019
- ▶ Working Group on Enhanced Cooperation on Public Policy Issues Pertaining to the Internet



Jacques Dubochet and Sir Richard Penrose at the CSTD

Youth contribution to the CSTD



E-Commerce and Digital Economy

- ▶ E-Commerce Week
 - ▶ Fourth edition, April 2018
 - ▶ Theme: “Development Dimensions of Digital Platforms”
- ▶ Intergovernmental Group of Experts on E-commerce and the Digital Economy
 - ▶ Second session, April 2018
 - ▶ Decision to create a new Working Group on Measuring E-Commerce and the Digital Economy
- ▶ Africa E-Commerce Week
 - ▶ First edition, 10-14 December 2018, Nairobi
 - ▶ Dialogue on Africa Development and the Digital Economy
 - ▶ Ministerial meeting on trade facilitation with the EAC
- ▶ G20 Digital Economy Task Force and Ministerial Meeting

eCommerce Week

16–20 April 2018

Palais des Nations, Geneva



Development Dimensions of Digital Platforms



Meeting of the IGE on E-commerce and the Digital Economy, 2018

UN-system wide presence

▶ General Assembly

- ▶ Plenary and Second Committee; Coordinate GA resolutions on ICT for development, and STI for development

▶ Inter-agency work

- ▶ 3rd Multi-stakeholder Forum on STI (STI Forum)
- ▶ Co-Chair of Inter-Agency Task Team for Science, Technology and Innovation for the SDGs (IATT)
- ▶ Member of Inter-Agency Task Force on Financing for Development--draft technology chapter
- ▶ eTrade for All
- ▶ Partnership on Measuring ICT for Development in collaboration with other UN bodies and international organizations
- ▶ Co-organizer of WSIS Forum 2018
- ▶ Inter-Agency Task Force on International Trade Statistics

Looking forward

Research and analysis

- Upcoming Digital Economy Report
- Current studies on STI on renewable energy and digital competencies
- New framework for STI policy reviews

Technical assistance

- Rapid eTrade readiness assessments
- E-commerce strategies
- STI policy reviews in Ethiopia, Uganda, Panama
- Digital identity training
- Seminars, trainings, workshops

Consensus building

- CSTD Intersessional Panel and gender workshop
- CSTD 22
- E-Commerce Week 2019
- Third session of IGE on e-Commerce and the Digital Economy (April 2019)
- Trade and Development Board
- WG on measuring e-commerce and the digital economy (Oct/Nov 2019)
- 2019 Investment and Enterprise Commission

Interaction and feedback loops between three pillars

THANK YOU

Q&A

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