Division on Technology and Logistics: Synergies between the 3 pillars

Investment, Enterprise and Development Commission, 13th session
15th November 2022

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Highlights for 2021/2022

Research and analysis
- Digital Economy Report
- Technology and Innovation Report
- Current studies on STI
- Statistics on e-commerce and the digital economy
- Technical notes on ECDE and other research products

Technical cooperation
- eTrade Assessments
- E-Commerce Strategies & capacity building
- STI policy reviews & capacity building trainings
- Technology Assessment project
- eTrade for Women
- Measuring the Digital Economy
- Paragraph 166 course
- ASYCUDA

Consensus building
- CSTD
- ECOSOC/GA
- TDB, Investment and Enterprise Commission
- IGE on E-commerce and the Digital Economy
- Working Group on Measuring ECDE
- eCommerce Week
- G20
Digital Economy Report 2021

➢ Topic: *Cross Border data flows and development*

➢ Informs intergovernmental deliberations:
  ➢ UNCTAD15
  ➢ IGE-2023
  ➢ UNCTAD TDB June 2022
  ➢ eCommerce Week 2022, “Data and Digitalization for Development”
  ➢ G20 Digital Economy Working Group (2022, Indonesian Presidency)
  ➢ G20 Development Working Group (2023, Indian Presidency)

➢ Draws on technical cooperation activities:
  ➢ eT Readies, E-commerce strategies and implementation

➢ 36 dissemination events
Technology and Innovation Report

➢ Technology and Innovation Report 2021 – Catching technological waves: Innovation with equity


➢ TIR-21 Informed intergovernmental deliberations:
  ➢ TDB 2021
  ➢ UNCTAD-15
  ➢ CSTD
  ➢ STI Forum

➢ Over 30 dissemination events organized
Current studies built on CSTD deliberations and national inputs

- Industry 4.0 for Inclusive Development
- Harnessing blockchain for sustainable development: prospects and challenges
- Science, technology and innovation for sustainable urban development in a post-pandemic world
- Exploring space technologies for sustainable development

Catalogue of Diversification Opportunities 2022
Building Capacity for eTrade Readiness

➢ **Build on body of research** by UNCTAD and eTrade for All partners

➢ Regional eTrade Readies and E-Commerce Strategies (e.g. Pacific region, ECOWAS) **build regional consensus**

➢ **Implementation Support Mechanism** enables:
  - Exchange of good practices, policy dialogue between beneficiaries, continuous learning and improvement
  - Coordination with and among donors
  - Supported by eTrade for All partners
eTrade for Women

➢ Strengthens **capacity of women digital entrepreneurs** to grow their businesses:
  ➢ mentoring
  ➢ training
  ➢ networking

➢ Fosters **women’s participation in policy dialogues** to shape a more gender-inclusive digital economy

➢ **Cross-fertilization** with eT-Readiness assessments
UNCTAD collects and analyses data on ecommerce and the digital economy (DER, B2C e-Commerce index, technical notes)

Database of statistics on ECDE

Consensus building through the Working Group on Measuring E-Commerce and the Digital Economy

Normative work:

Feeds into technical assistance on production of statistics on ECDE
Capacity Building in Science Technology and Innovation

- **STIP reviews** Angola, Zambia (2002); Botswana and Seychelles underway
  - Link to CSTD
  - Feed-back from UNCTAD research

- **Technology Assessment** pilot project in Africa
  - UNCTAD developed methodology, guidelines
  - Approach discussed in CSTD and the Investment, Enterprise Commission
  - Applied at national level (South Africa, Seychelles and Zambia)

- STI policy training through **UN Technology Facilitation Mechanism**
  - Based on UNCTAD research in STI

- **Blockchain project** for trade facilitation with UN regional Commissions, building on research (current study) and CSTD deliberations
Disseminating UNCTAD-wide research through the P166 Programme

➢ **Dissemination tool** for whole-of-UNCTAD research work

➢ Adapted to specific **regional contexts**

➢ **Cooperation** with UN regional Economic Commissions and regional research institutes

➢ 2021 regional courses
  ➢ North Macedonia
  ➢ Egypt

➢ 2022 regional courses
  ➢ Kenya
  ➢ Argentina
  ➢ Pakistan (upcoming)
ASYCUDA: end to end technology transfer for trade facilitation

102 Countries & territories
38 LDCs
34 SIDS
23 LLDCs

Project funding (2021)
45.3 million US$

300+ training sessions
& 3000+ participants

Transfer of know-how (2021)

69 Ongoing projects
including 13 regional & inter-regional

30 New projects signed (2021)

11 Single Window projects
Barbados
Burundi
Comoros
Jamaica
Kazakhstan
Rwanda
Timor-Leste
Turkmenistan
Uganda
Vanuatu
Zimbabwe
ASYCUDA: end to end technology transfer for trade facilitation

➢ Analysis of **lessons-learnt**, best practices, reviews impacts
  - Compendiums of national case studies
  - Ad-hoc research (transit, tackling COVID19)
  - Collection of statistics to support policy-making

➢ Feeds into **UNCTAD flagships**—Review of Maritime Transport; Economic Development of Africa Report 2020

➢ Supports implementation of **international standards** in trade

➢ Extensive **network of partnerships** with specialized agencies (eCITES, IATA, UN regional Commissions, UPU, WCO, WTO, etc.)
Discussions in 2022-2023:

- Technology and innovation for cleaner and more productive and competitive production
- Ensuring safe water and sanitation for all: a solution by STI

Outcome: two UN Resolutions adopted by ECOSOC:

- STI for development
- Assessment of the progress made in the implementation of and follow-up to the outcome of WSIS (i.e. ICT for Development)

- Informs UNCTAD research: TIR
  TIR-2021: Catching technological waves: Innovation with equity
  TIR-2023: Green windows of opportunity: Innovation that is good for people and the planet
Technical Cooperation under the CSTD

- **China**: CropWatch Cooperation—application of space tech for food security
  - Followed discussions in CSTD on space tech theme
- **Japan**: Young Female Scientists Programme & Young Scientist PHD programme
  - Offered through the Okayama University
- **Brazil**: Training in frontier technologies in agriculture (upcoming)
- **Thailand**: Training on Bio-Circular-Green innovation (upcoming)
  - Based on CSTD discussions
Building consensus on e-Commerce and the Digital Economy

➢ Intergovernmental Group of Experts on ECDE 5th session in 2022: Recovering from COVID-19 in an increasingly digital economy

➢ Working Group on Measuring ECDE: “Defining the digital economy for statistical purposes & measuring the gender dimension”
  □ Results in technical cooperation by UNCTAD on ECDE measurement

➢ G20’s Digital Economy Working Group
  □ Support to Indonesia Presidency: Survey on Regulations of Cross-Border Data Flows and Data Free Flow with Trust
Building consensus on e-Commerce and the Digital Economy

➢ **eTrade for all partners** contribute to research and capacity building:
  - etReadies
  - Research on COVID-19 Global Review
  - Supports upcoming *Core E-commerce Course for policymakers*

➢ **eWeek** dialogues:
  - Research and analysis (e.g. e-commerce negotiations and digital competition, data protection),
  - Results and lessons from technical cooperation (e.g. E-Commerce Strategies and logistics).
Partnerships within UNCTAD and with other stakeholders

➢ Cooperate with all UNCTAD divisions:
   ❑ Research: EDAR22, Commodity report, DER...
   ❑ Consensus building: eWeek, IGE ECDE
   ❑ Technical cooperation: Statistics, P166

➢ eTrade 4 All Initiative (35 members)
➢ WSIS Forum
➢ STI Forum
➢ Inter-Agency Task Team for Science, Technology and Innovation for SDGs
➢ Contribute IATF-Financing For Development
➢ Enabled by generous support of our development partners