



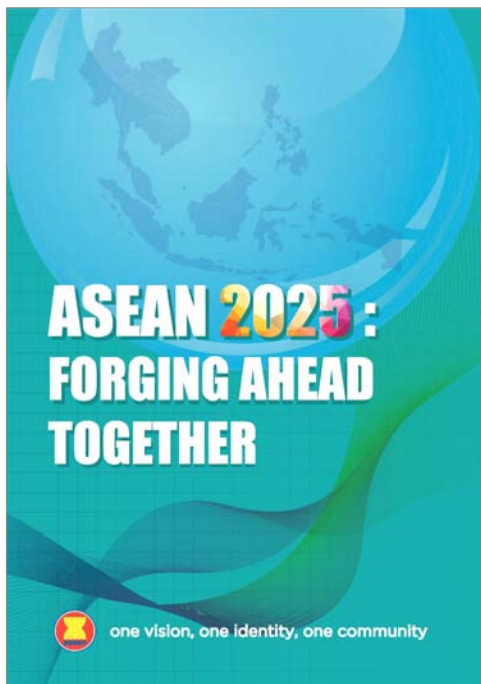
ASEAN STI Direction for Achieving Sustainable Development Goals

CHEONG Lee Sing (Alice)
Head of S&T Division
ASEAN Secretariat

Regional Consultation on Achieving Sustainable Development Goals through
Science, Technology and Innovation, 20 March 2018
Session I: Science, Technology and Innovation Policy Interventions for
Achieving Sustainable Development Goals



ASEAN 2025 Blueprint



ASEAN POLITICAL-SECURITY COMMUNITY
BLUEPRINT 2025

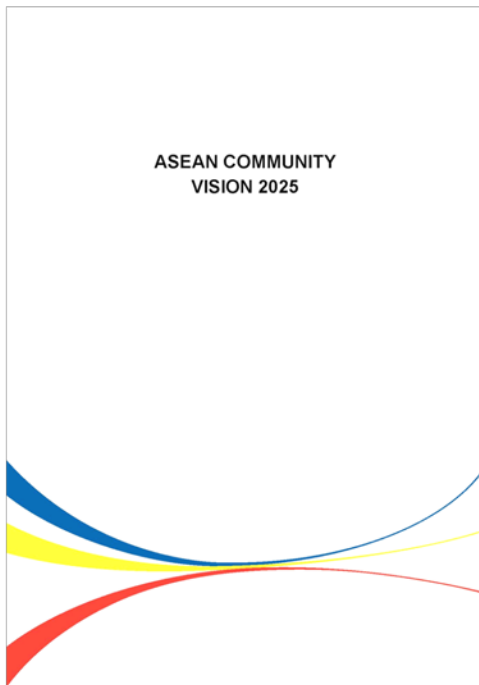
KUALA LUMPUR DECLARATION
ON
ASEAN 2025: FORGING AHEAD TOGETHER

ASEAN ECONOMIC COMMUNITY
BLUEPRINT 2025

ASEAN COMMUNITY
VISION 2025

ASEAN SOCIO-CULTURAL COMMUNITY
BLUEPRINT 2025

Complimentary of ASEAN 2025 Blueprint with UN SDG



- Para 6. We underline the complementarity of the United Nations 2030 Agenda for Sustainable Development with ASEAN community building efforts to uplift the standards of living of our peoples



ASEAN S&T plan

ASEAN Plan of Action on Science, Technology and Innovation (2016-2025)

- Thrust 1: Strengthen strategic collaboration among academia, research institutions, networks of centres of excellence , and the private sector to create an effective ecosystem for capability development, technology transfer and commercialisation

- Action 1.4 Strengthen existing regional STI initiatives in priority areas including Sustainable Development Goals



ASEAN S&T plan

APASTI Implementation Plan (2016-2025)

- Conduct study to identify COST priority areas supportive of the ASEAN STI initiatives addressing the ASEAN Grand Challenges including the Sustainable Development Goals (SDGs).



ASEAN Progress

- Inaugural High-Level ASEAN-EU Dialogue on Sustainable Development: Towards Achieving the Sustainable Development Goals, 17 November 2017, Bangkok
- Sport & the SDGs Youth Funshop, 8-10 November 2017, Manila, Philippines
- ASEAN-UNICEF Symposium on 'Leaving No One Behind' in Commemoration of the 50th Anniversary of ASEAN, 28-29 September 2017, Bangkok, Thailand (SDG topics: child right, social protection, education and health.)



SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY



2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



4 QUALITY EDUCATION



5 GENDER EQUALITY



6 CLEAN WATER AND SANITATION



7 AFFORDABLE AND CLEAN ENERGY



8 DECENT WORK AND ECONOMIC GROWTH



9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



10 REDUCED INEQUALITIES



11 SUSTAINABLE CITIES AND COMMUNITIES



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



14 LIFE BELOW WATER



15 LIFE ON LAND



16 PEACE, JUSTICE AND STRONG INSTITUTIONS



17 PARTNERSHIPS FOR THE GOALS



SUSTAINABLE DEVELOPMENT GOALS



ASEAN 2025 and SDG Goal 1

- Framework Action Plan for Rural Development and Poverty Eradication (RDPE) 2016-2020
- ASEAN Strategic Framework on Social Welfare and Development (SWD) 2016-2020



ASEAN 2025 and SDG Goal 2

- ASEAN Agreement on Disaster Management and Emergency Response (AADMER) Work Programme 2016-2020
- Framework Action Plan for Rural Development and Poverty Eradication (RDPE) 2016-2020
- Strategic Plan For ASEAN Cooperation In Food, Agriculture And Forestry (2016-2025)



Selected targets

- 2a Increase investment in agricultural research



ASEAN COST Progress

Conducted (2016-2017) [6 Capacity building activities]

- Seminar and Meeting on the Role of Technology for ASEAN Food Security
- International Curator Lecture & Workshop on Emerging Technologies and Management of Microbial Resources
- 15th ASEAN Food Conference (AFC-15)
- ASEAN Training Workshop on Development of Functional Food based on Antioxidants
- ASEAN Packaging Conference
- Seminar Workshop on Best Practices of Establishment and Operation of Food Innovation Centre (FIC) among ASEAN Member States



ASEAN COST Progress

On-going [1 infrastructure | 2 capacity building]

- Establishment and Maintenance of an ASEAN Microbial Database
- HRD Program in Biotechnology for ASEAN
- Philippines STI Partnership Contribution for CLM Graduate Scholarships in Science and Engineering including Food Science

Upcoming [2 capacity building]

- 16th ASEAN Food Conference (AFC-16) (2019)
- Training Workshop on Biosensor Development and its Application Monitoring of Contaminants in Food



ASEAN Progress

- Regional Expert Consultation on Scoping Study for the SDG Help Desk, 16-17 October 2017, UNCC, UN-ESCAP, Bangkok, Thailand



ASEAN 2025 and SDG Goal 3

- ASEAN Post-2015 Health Development Agenda
- ASEAN Work Plan on Youth 2016-2020
- ASEAN 5-year Work Plan on Sports 2016-2020



Selected targets

- 3b Support the research and development of vaccines and medicines for the communicable and non-communicable diseases



ASEAN COST Progress

Completed

- 10th and 11th International Conference on Rehabilitation Engineering and Assistive Technologies (i- CREATE) (2016, 2017)



ASEAN 2025 and SDG Goal 4

- ASEAN Work Plan on Education 2016-2020
- Working Group on Progressive Labour Practices to Enhance the Competitiveness of ASEAN (SLOM-WG) Work Plan 2016-2020



ASEAN 2025 and SDG Goal 5

- ASEAN Committee on Women (ACW) Work Plan 2016-2020
- ASEAN Commission on the Promotion and Protection of the Rights of Women and Children (ACWC) Work Plan



ASEAN 2025 and SDG Goal 5

- ASEAN Labour Ministers' Work Programme 2016-2020
- ASEAN Cooperation on Civil Service Matters (ACCM) Work Plan 2016-2020



ASEAN 2025 and SDG Goal 6

- ASEAN Post-2015 Health Development Agenda



ASEAN COST Progress

On-going

- Workshop on SMART Informatics for Sustainability, 19-21 March 2018



ASEAN 2025 and SDG Goal 7

- ASEAN Plan of Action for Energy Cooperation (APAEC) 2016-2025



Selected targets

- 7a Facilitate access to clean energy research and technology



ASEAN COST Progress

Completed

- Workshop on Li-Ion Batteries Development
- Energy Dialogue between ASEAN-Russia on Renewable Energy and Clean Energy Technologies: Creation of the expert-analytical and consulting network on Renewable Energy
- Capacity Building on Climate Change – Greenhouse Gases Emission (GHG) Reduction for Energy Intensive Industry in ASEAN



ASEAN COST Progress

On-going

- ASEAN-ROK Capacity-building of Biofuel Appropriate Technology Development and Business Model Generation using STI and Knowledge Management



ASEAN 2025 and SDG Goal 8

- ASEAN Labour Ministers' Work Programme 2016-2020
- ASEAN Committee on the Implementation of the ASEAN Declaration on the Protection of the Rights of Migrants Workers
- ASEAN Work Plan on Youth 2016-2020
- ASEAN Strategic Action Plan for SME Development (2010 – 2015)



Selected targets

- 8.2 Achieve higher levels of economic productivity through diversification, technological upgrading and innovation
- 8.3 Promote development-oriented policies that support entrepreneurship, creativity and innovation



ASEAN 2025 and SDG Goal 9

- ASEAN Agreement on Disaster Management and Emergency Response (AADMER) Work Programme (2016-2020)



Selected targets

- 9.5 Enhance scientific research, encouraging innovation
- 9b. Support domestic technology development, research and innovation in developing countries, including by ensuring a conducive policy environment



ASEAN COST Progress

Completed

- ASEAN-GIZ Regional Project on Promoting Innovation and Technology (PIT) (2012-2016)
- ASEAN-US S&T Fellowship (batch 2015, 2016)
- 1st & 2nd Exchange Program for Young Officials in STI (2016, 2017)
- Special Workshop on ASEAN-ROK STI Cooperation



ASEAN COST Progress

Completed (Prize, Competition, Camp)

- Young Southeast Asian Leaders Initiative (YSEALI) Innovation Challenge
- ASEAN-U.S. Prize for Women in Science (2016, 2017)
- 2nd and 3rd Da Vinci Science Prize and Scholarship (2016, 2017)
- 7th, 8th & 9th ASEAN+3 Student Camp & Teacher Workshop (2016, 2017, 2018)
- 5th & 6th ASEAN +3 Junior Science Odyssey (2016, 2017)
- ASEAN Participation in India's ASEAN-India National Children's Science Congress (2016, 2017)
- ASEAN-ROK Students and Young Adult Competition



ASEAN COST Progress

On-going (Journal, Platform)

- ASEAN Journal on Science and Technology for Development
- Japan-ASEAN STI Platform
- ASEAN Open Innovation and Entrepreneurship Platform



ASEAN 2025 and SDG Goal 10

- ASEAN Committee on the Implementation of the ASEAN Declaration on the Protection and Promotion of the Rights of Migrant Workers (ACMM) Work Plan 2016-2020



ASEAN 2025 and SDG Goal 11

- Master Plan on ASEAN Connectivity 2025: Initiative 3 - Develop Sustainable Urbanisation Strategies in ASEAN Cities



ASEAN COST Progress

Completed

- Development of A Roadmap of the COST's Flagship Programme on Open Source Software
- Connecting ICT in Europe and South East Asia (CONNECT2SEA) Project

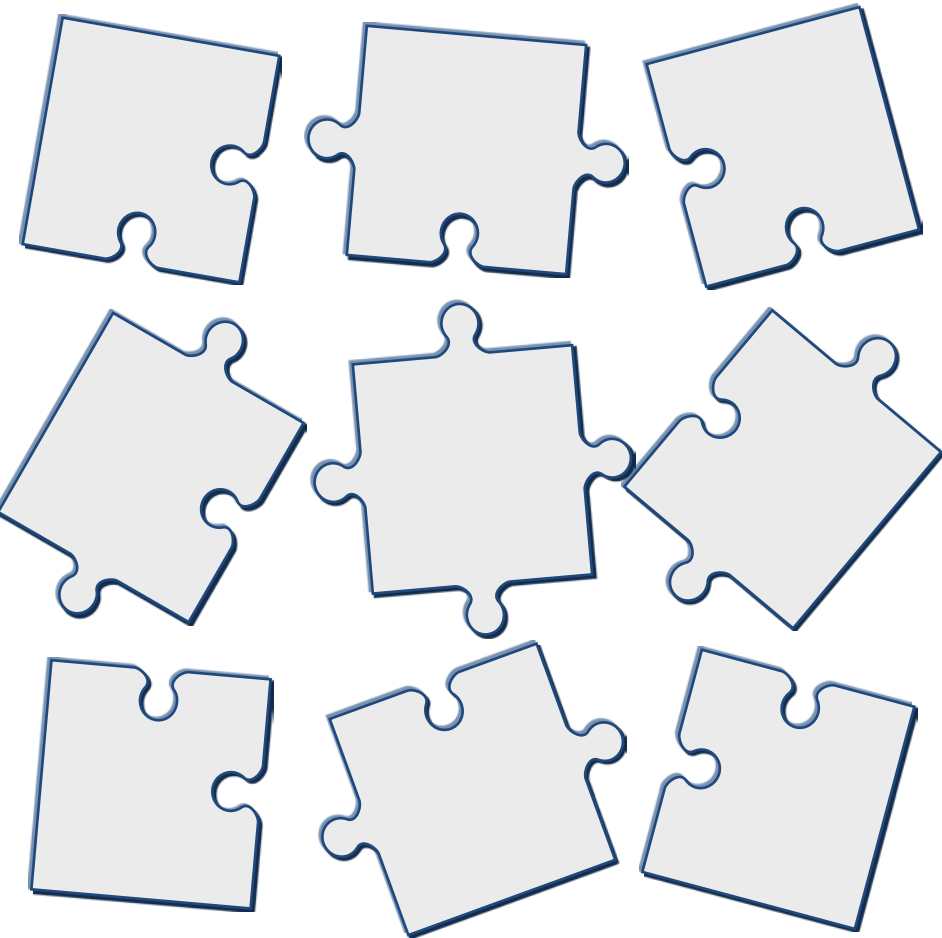


ASEAN Progress

- ASEAN Working Group on Environmentally Sustainable Cities (AWGESC) Consultation Meeting for ASEAN SDGs Frontrunner Cities Programme, 7 March 2018, Siem Reap, Cambodia
- 9th EAS High Level Seminar Sustainable Cities (HLS-SC) on 8-9 March 2018, Siem Reap, Cambodia
- Closing Workshop ASEAN Environmentally Sustainable Cities (ESC) Model Cities Year-3, 14-15 December 2017, Pattaya, Thailand



ASEAN 2025 and SDG Goal 12



ASEAN 2025 and SDG Goal 13

- ASEAN Agreement on Disaster Management and Emergency Response (AADMER) Work Programme 2016-2020



ASEAN COST Progress

Completed

- Capacity building on Climate change impacts and coastal adaptation of coastal community within The South China Sea
- Extension of the Rainfall Estimation for Monitoring of High Risk Fire Areas in Southeast Asia
- Training Workshop on Weather Radar Data Quality and Standardization
- 6th, 7th, 8th & 9th ASEAN Climate Outlook Forum



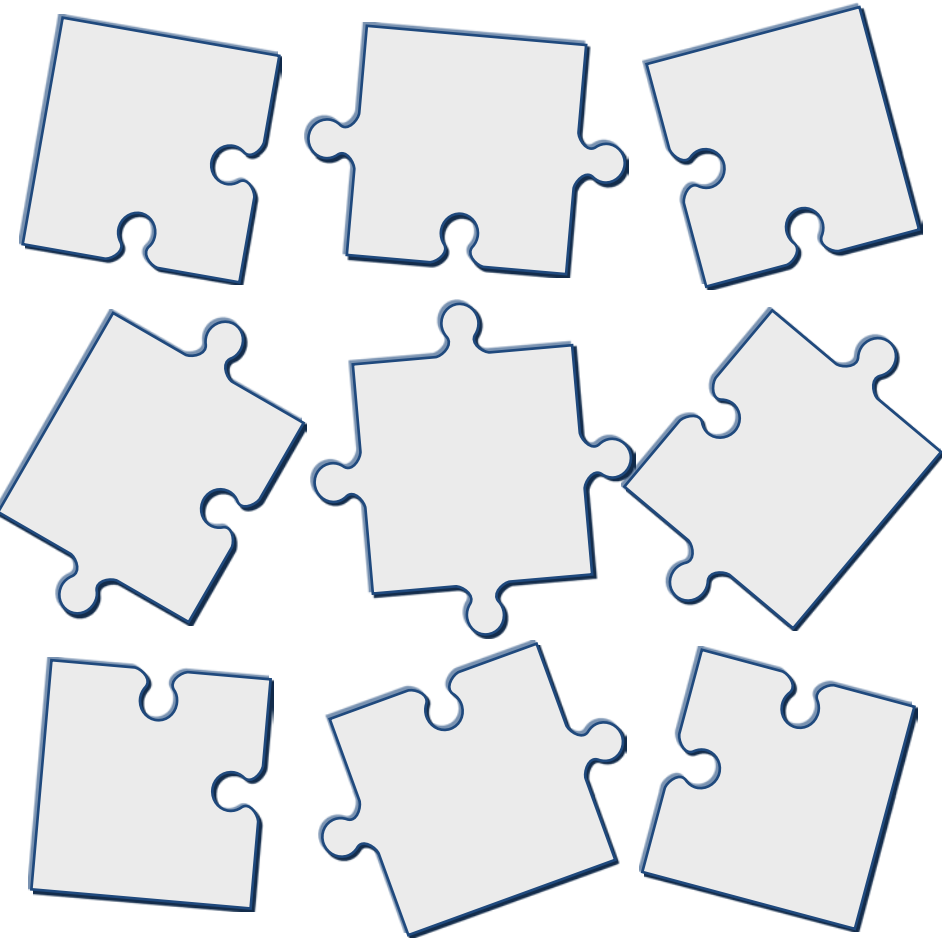
ASEAN COST Progress

Upcoming

- ASEAN-ROK Co-training Workshop for Weather/
Climate Data Processing and Restoration



ASEAN 2025 and SDG Goal 14



Selected targets

- 14a. Increase scientific knowledge, develop research capacity and transfer marine technology



ASEAN COST Progress

Completed

- Extent of Transfer of Alien Invasive Organisms (Nuisance) between South and SE Asia by Shipping (Phase I) [Study and capacity building]

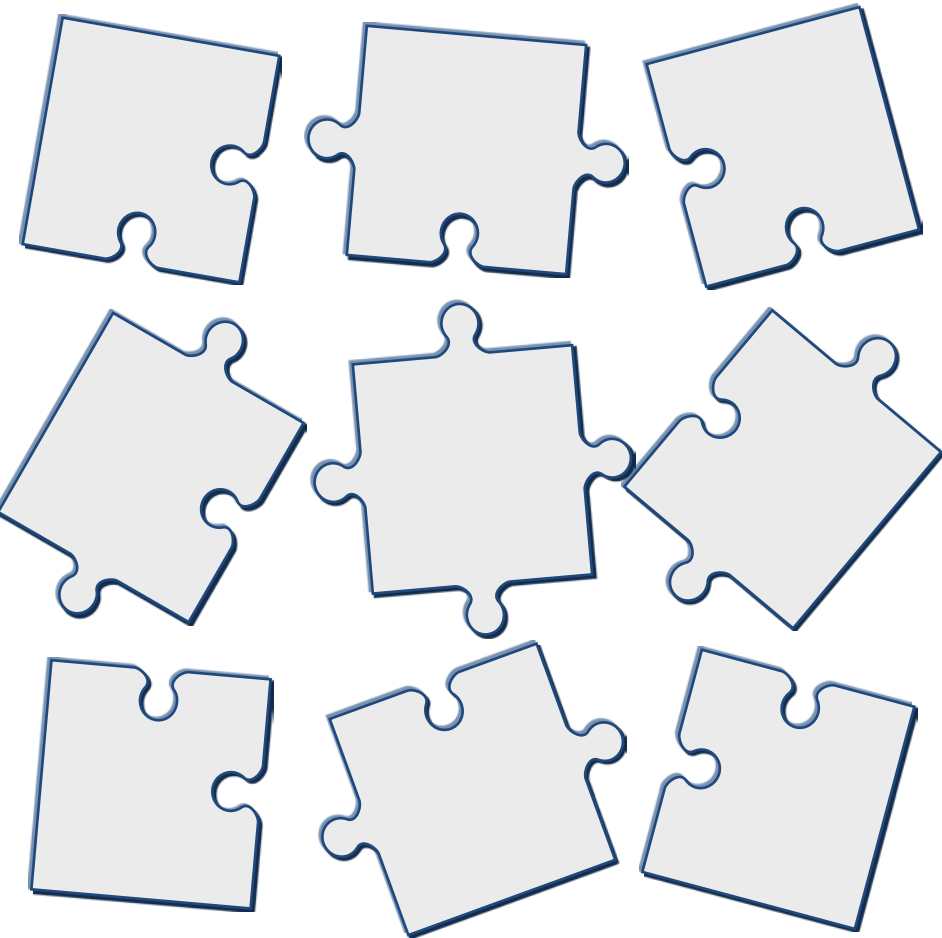


ASEAN 2025 and SDG Goal 15

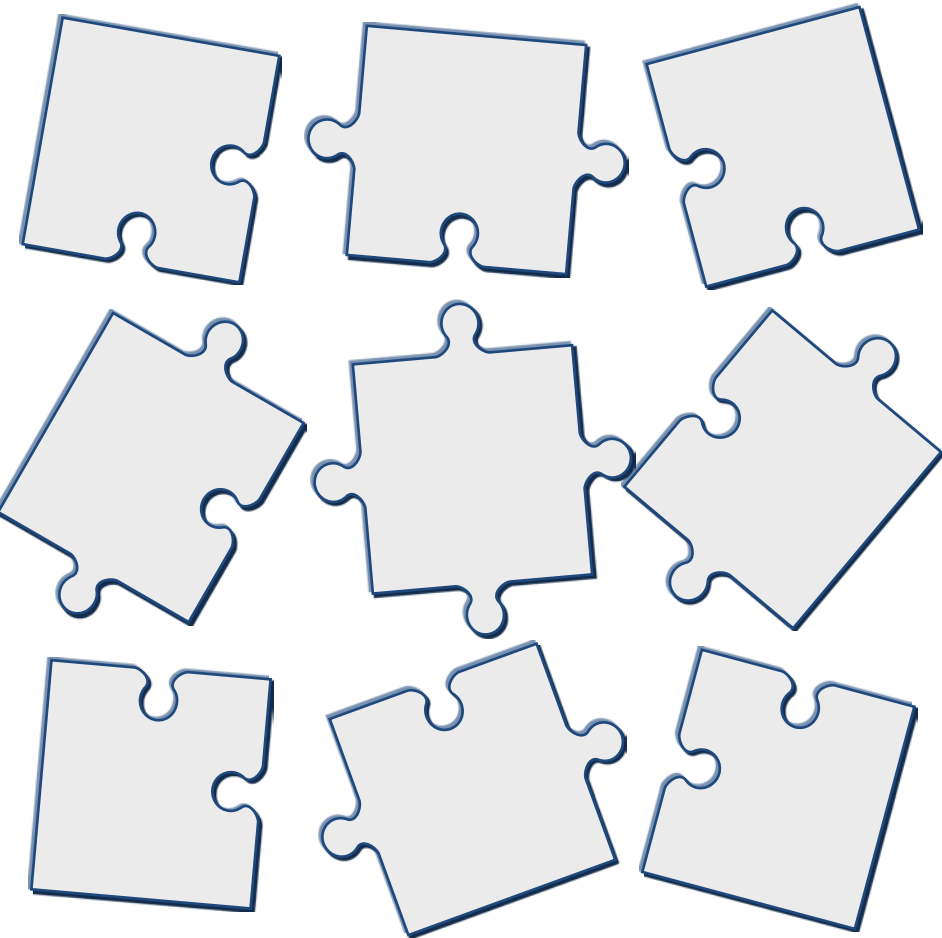
- ASEAN Heritage Parks Programme
- ASEAN Biodiversity Center



ASEAN 2025 and SDG Goal 16



ASEAN 2025 and SDG Goal 17



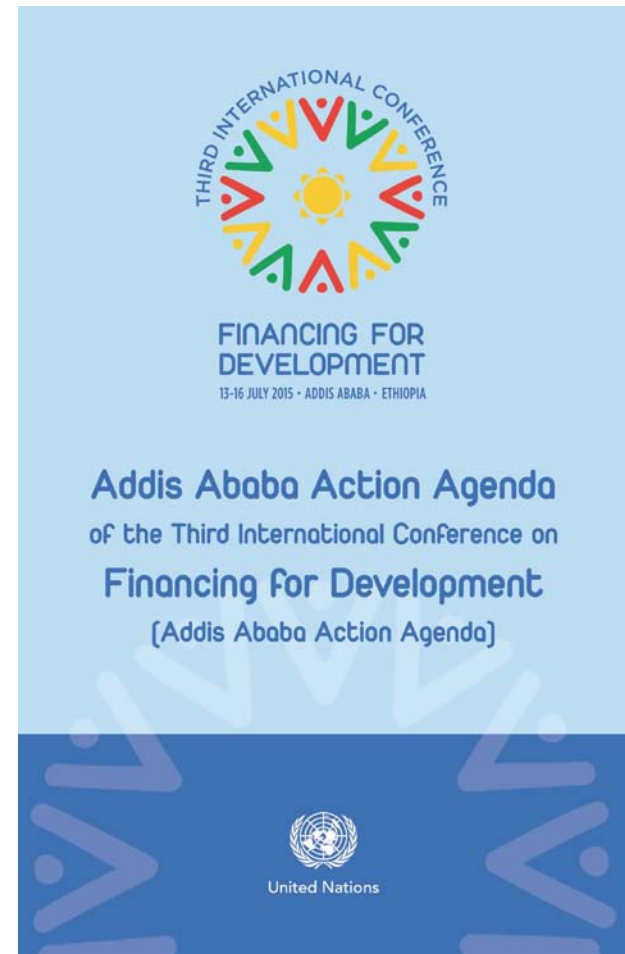
Selected targets

- 17.6 Enhance North-South, South-South and triangular regional and international cooperation on and access to science, technology and innovation
- 17.8 Fully operationalize the technology bank and science, technology and innovation capacity-building mechanism for least developed countries



Addis Ababa Action Agenda

- Part of the adopted 70/1. Transforming our world: the 2030 Agenda for Sustainable Development
- Adopted by UN General Assembly
- Technology Facilitation Mechanism



ASEAN Progress

- Launch of ASEAN-China-UNDP Regional Report on Financing the Sustainable Development Goals (SDGs) in ASEAN: Strengthening Integrated National Financing Frameworks to Deliver the 2030 Agenda, 17 November 2017, Jakarta, Indonesia



Challenges

- Individual ASEAN sector working in solo
- Translation of aspiration written in plans into action at the higher end of the flexible wording
- Achieving the potential of STI through ASEAN cooperation within the mechanism of diffused responsibility and based on consensus
- Mindset of regional cooperation as a bonus instead of springboard to achieve effective national STI outcomes





Thank You

