

On-line training session on STI policy and policy instruments for SDGs for Asia and the Pacific

18-21 November 2024

(09:00 - 11:00 CET)

**UN-IATT Workstream 6 on
Capacity-Building in STI for SDGs**



Session 1:

STI policymaking in the Arab region: United Arab Emirates

On-line training session on STI policy
and policy instruments
for SDGs for Asia and the Pacific

November 18-21

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Shared Prosperity **Dignified Life**



UAE: Science, Technology and Innovation

STI as foundation

- Essential growth and development
- Knowledge-based economy post oil world.

STI in 2024

- Ranked 32nd in GII (2024)
- Ranked 37th readiness to adopt future tech (2023)
- 36% STEM graduates (2023)

STI & Gender

- 61% STEM Uni Students
- 80% Mars mission science team
- 18% Entrepreneurs

With a vision for the future the UAE as set an ambitious goal to become the world's foremost country over the next 50 years.

By investing in people and providing them with skills and knowledge to prosper and adapt in rapid changing environments.

United Arab Emirates: STI Policy

“Public policy...is...a set of priorities, objectives and guidelines set by the government to manage national files and deal with the needs of the concerned groups in a way that enhances public welfare...”

~ *Guide to Guide to Preparing Public Policies in the UAE Government (2024)*

- February 2024 issued new STI Policy
- Included:
 - Priority areas
 - Objectives
 - Expected results
 - Targeting: government, private sector, education institutions and research centres

Objectives:

- Economic growth based on S&T
- R&D addresses national challenges & develops solutions
- Base of diverse scientific and research competencies for growth
- Research collaboration

United Arab Emirates: STI Policy

Six priority areas:

- Energy transition
- Health and Human Prosperity
- Food security
- Water security
- Digital technology and cybersecurity
- Advance materials and manufacturing

Expected results:

- Increasing the rate of development of new knowledge in national priority areas
- Increasing foreign investment in research and development
- Increasing employment levels among holders of advanced degrees
- Increasing research and development outputs
- Increasing exports of advanced national technology

Progress, economic diversification, prosperity & leadership.

United Arab Emirates: Structure of formulation



United Arab Emirates: Medium- and long-term frameworks

Centennial Plan 2071

- Vision plan extending for 5 decades after 2021
- 4 pillars, with STI essential to education & the knowledge economy

Principles of the 50

- 10 principles part of strategic roadmap of growth
- Principe 7: digital, scientific and technical excellence will identify its development and economy

We the UAE 2031

- Guides sustainable growth and leadership during the next decade
- 4 main priorities: society, economy, diplomacy & ecosystem
- STI and research has been given a pivotal roll in each priority.

National medium- and long-term plans guides policy priorities, objectives & outcomes

United Arab Emirates: STI policy fields and SDGs

Solar energy



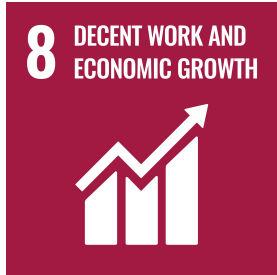
Sustainable Desalination



Fishing and Aquaculture



Carbon Dioxide Capture and Storage



Health



Technology and Cybersecurity



United Arab Emirates: Guide to Preparing Public Policies

- 1** Determine the purpose of the public policy
- 2** Studying options and their Impacts
- 3** Consulting stakeholders
- 4** Implementing the policy
- 5** Evaluating the impact of the policy



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Thank you