

Online training on science, technology and innovation (STI) policy and policy instruments for SDGs for Africa

By UN Interagency Task Team on Capacity-Building on STI for the SDGs (UN-IATT WS6)

website <https://sdgs.un.org/tfm/interagency-task-team/capacity>

YouTube <https://www.youtube.com/@un-iattcapacitybuildingins9193>

Useful links¹

Current Approaches to STI Policy making in the context of SDGs

- **UNECA STI Policy Design and Implementation Guide**
https://www.uneca.org/sites/default/files/TCND/STIF2023/STI_PDI_Guide_Draft.pdf
- **UNESCO Recommendation on Open Science**
https://unesdoc.unesco.org/ark:/48223/pf0000379949_eng
- **UNESCO Recommendation on the Ethics of AI**
<https://www.unesco.org/en/artificial-intelligence/recommendation-ethics>
- **UNEP Guidelines for Conducting Scientific Assessments**
<https://www.unep.org/explore-topics/environment-under-review/what-we-do/environmental-assessment/guidelines-conducting>
- **The Global Environment Outlook**
<https://www.unep.org/global-environment-outlook>
- **STI for SDGs roadmaps project and reports:** https://joint-research-centre.ec.europa.eu/projects-and-activities/territorial-development/science-technology-and-innovation-sustainable-development-goals_en
- **Technology and Innovation Report- Inclusive Artificial Intelligence for Development**
https://unctad.org/system/files/official-document/tir2025_en.pdf
- **UNIDO Report on STI and Industrial Policies Integration (Asian Countries)**
https://www.unido.org/sites/default/files/files/2022-03/STI_Policies.pdf
- **Digital Public Infrastructure (DPI) Strategy Toolkit (G20/OECD/WB)**
<https://www.dpiglobal.org/>
- **OECD Agenda for Transformative STI Policies (2024)**
https://www.oecd.org/en/publications/2024/04/oecd-agenda-for-transformative-science-technology-and-innovation-policies_5ced463a.html
- **Policy Enablers for Private Sector SDG acceleration (2024)**
<https://unglobalcompact.org/library/6239>

¹ The links in this document were shared in the chatbox during the training webinar and are complemented by additional resources suggested by participants through the post-training evaluation questionnaire. These resources are provided for informational and educational purposes only. Inclusion in this list does not constitute endorsement by the organizers of the training.

- **Changing Directions: Steering science, technology and innovation towards the Sustainable Development Goals**
https://sussex.figshare.com/articles/report/Changing_Directions_Steering_science_technology_and_innovation_towards_the_Sustainable_Development_Goals/23492681/1
- **Steering Research and Innovation for Global Goals (STRINGS Project and Short Videos)**
<https://strings.org.uk>
African Union STISA-2024 Strategy
https://au.int/sites/default/files/newsevents/workingdocuments/33178-wd-stisa-english_-_final.pdf
- **African Union Digital Transformation Strategy (2020–2030)**
<https://au.int/en/documents/20200518/digital-transformation-strategy-africa-2020-2030>
- **European STRATA programme (strategic analysis of specific political issues)**
<https://cordis.europa.eu/article/id/16067-european-strata-programme-oversubscribed>
- **Science Diplomacy Capital for Africa**
<https://www.africasciencediplomacy.org/>
- **GESDA (Geneva Science and Diplomacy Anticipator)**
<https://gesda.global/>
- **Africa Regional Forum on Sustainable Development Key Messages**
https://www.uneca.org/eca-events/sites/default/files/resources/documents/CFND/ARFSD2025/arfsd-11_key_messages_final_en.pdf

STI Policy Instruments Design

- **Public policy and policy instruments for STI, E-learning**
https://drive.google.com/file/d/19mZM7LTjaJhDxnkeyGE4m0B_h6pC_3zW/view?usp=sharing
- **Handout for session 2:**
https://drive.google.com/file/d/10_muTe1srkBpjLoNhnM3YOMzi8NITIYg/view
- **UNESCO STI Policy Instruments for SDGs: A Global Outlook**
<https://unesdoc.unesco.org/ark:/48223/pf0000389665>
- **UNESCO GO-SPIN Platform: information and data on STI policy and policy instruments**
<https://gospin.unesco.org/frontend/home/index.php>
- **UNIDO-GIZ Toolkit for STI Policy Diagnostics**
<https://www.equip-project.org/>
- **UN-IATT and UNIDO Booklet: Science, Technology and Innovation for Achieving the SDGs**
https://sdgs.un.org/tfm/interagency-task-team/capacity#reports_and_resources
- **UNESCO Open and Inclusive Science Hub: Practices Promoting Open and Inclusive Science**
<https://www.unesco.org/en/open-science/inclusive-science/grid?hub=178646>
- **UNIDO Report: "You Say You Want a Revolution" (Industry 4.0 in Germany)**
<https://downloads.unido.org/ot/10/03/10031392/You%20say%20you%20want%20a%20revolution.pdf>
- **UNCTAD STI capacity building**

<https://unctad.org/topic/science-technology-and-innovation/STI4D-Capacity>

- **UNCTAD e-Learning on STI**
<https://elearning.unctad.org/enrol/index.php?id=275>

STI Policy Monitoring and Evaluation

- **UNESCO Science Report 2021**
<https://unesdoc.unesco.org/ark:/48223/pf0000377433>
- **UNESCO GO-SPIN Platform (STI system Mapping)**
<https://gospin.unesco.org/frontend/home/index.php>
- **OECD Science, Technology and Innovation Outlook**
<https://www.oecd.org/sti/oecd-science-technology-and-innovation-outlook-25186167.htm>
- **Impact Evaluation in Practice (World Bank)**
<https://www.worldbank.org/en/programs/sief-trust-fund/publication/impact-evaluation-in-practice>
- **Global Environment Outlook**
<https://www.unep.org/global-environment-outlook>
- **Impact Evaluation in Practice (World Bank)**
<https://www.worldbank.org/en/programs/sief-trust-fund/publication/impact-evaluation-in-practice>
- **UN Global Compact: Policy Enablers for Private Sector SDG Acceleration**
<https://unglobalcompact.org/library/6239>
- **UNU-MERIT Introduction to Impact Evaluation**
<https://unu.edu/merit/course/introduction-impact-evaluation-policies-and-programmes>
- **UNU-MERIT Advanced Impact Evaluation Course**
<https://unu.edu/merit/course/impact-evaluation-policies-and-programmes-estimation-and-analysis-causal-impacts>
- **ASTII Portal (African STI Indicators)**
<https://www.nepad.org/programme/african-science-technology-and-innovation-indicators-astii>
- **AUDA-NEPAD Knowledge Portal**
<https://elearning.nepad.org/user/login>
- **Harmonisation of African Higher Education Quality Assurance and Accreditation (HAQAA Initiative)**
<https://haqaa.aau.org/>
- **Mauritius Innovation Report: Case study on national innovation ecosystems**
<https://edbmauritius.org/newsroom/mauritius-where-innovation-meets-opportunities>
- **Policy Commons (STI Metrics Methodology & Country Profiles):**
 - Methodology: <https://policycommons.net/artifacts/1900145/assessing-science-technology-and-innovation-metrics-in-africa/2651301/>
 - Country Briefs: <https://policycommons.net/artifacts/1900179/country-briefs/2651347/>
- **China Statistical Yearbook (S&T Data):**

<https://www.stats.gov.cn/sj/ndsj/2024/indexeh.htm>

- **Do we measure what should be measured? Towards a research and theoretical agenda for STI measurement in Africa**

<https://www.tandfonline.com/doi/full/10.1080/2157930X.2025.2481749>

- **SDG 9.5 Indicators (UNESCO UIS):**

<https://uis.unesco.org/en/news/Explore-latest-progress-on-SDG9.5-Research-Development-through-key-indicators-February2025>

- **European business statistics methodological manual for statistics on business innovation – 2024 edition**

<https://ec.europa.eu/eurostat/web/products-manuals-and-guidelines/w/ks-01-24-008>

- **CeSTII (South Africa STI Indicators):**

<https://hsrc.ac.za/divisions/centre-for-science-technology-and-innovation-indicators/>

- **UNCTAD STI Policy Reviews**

<https://unctad.org/topic/science-technology-and-innovation/STI4D-Reviews>

- **UNCTAD Technology Innovation Report**

<https://unctad.org/topic/science-technology-and-innovation/technology-innovation-report>