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**Capacity-building work of bodies established under the
Convention and its Kyoto Protocol**

Compilation and synthesis report by the secretariat

Addendum

**Capacity-building activities undertaken by bodies established under the
Convention and its Kyoto Protocol**



Abbreviations and acronyms

AC	Adaptation Committee
AF	Adaptation Fund
AFCIA	Adaptation Fund Climate Innovation Accelerator
AI	artificial intelligence
Article 6.4 mechanism	mechanism established by Article 6, paragraph 4, of the Paris Agreement
ASEAN	Association of Southeast Asian Nations
BTR	biennial transparency report
BUR	biennial update report
CBIT-GSP	joint programme of the Capacity-building Initiative for Transparency and the Global Support Programme for Preparation of National Communications and Biennial Update Reports by non-Annex I Parties
CDM	clean development mechanism
CGE	Consultative Group of Experts
CMA	Conference of the Parties serving as the meeting of the Parties to the Paris Agreement
COP	Conference of the Parties
CTCN	Climate Technology Centre and Network
DNA	designated national authority
DNA Forum	Designated National Authorities Forum
ETF	enhanced transparency framework under the Paris Agreement
FAO	Food and Agriculture Organization of the United Nations
FWG	Facilitative Working Group
GCF	Green Climate Fund
GEF	Global Environment Facility
GHG	greenhouse gas
GIZ	German Agency for International Cooperation
ICG	informal coordination group for capacity-building under the Convention and the Paris Agreement
IICA	Inter-American Institute for Cooperation on Agriculture
KCI	Katowice Committee of Experts on the Impacts of the Implementation of Response Measures
LCIPP	Local Communities and Indigenous Peoples Platform
LDC	least developed country
LDCF	Least Developed Countries Fund
LEG	Least Developed Countries Expert Group
LT-LEDS	long-term low-emission development strategy(ies)
MEL	monitoring, evaluation and learning
MENA	Middle East and North Africa
MRV	measurement, reporting and verification
NAP	national adaptation plan
NAP Global Network	National Adaptation Plan Global Network
NC	national communication
NDC	nationally determined contribution
NDE	national designated entity
NSI	national system(s) of innovation
OECD	Organisation for Economic Co-operation and Development
OHCHR	Office of the United Nations High Commissioner for Human Rights
PAICC	Paris Agreement Implementation and Compliance Committee

PCCB	Paris Committee on Capacity-building
RCC	regional collaboration centre
SB	sessions of the subsidiary bodies
SCF	Standing Committee on Finance
TAP	technology action plan
TEC	Technology Executive Committee
TEG-CRM	technical expert group on comprehensive risk management
TNA	technology needs assessment
Transitional Committee	transitional committee on the operationalization of the new funding arrangements for responding to loss and damage and the fund established in paragraph 3 of decisions 2/CP.27 and 2/CMA.4
TT:CLEAR	technology information clearing house
UNDP	United Nations Development Programme
UNDRR	United Nations Office for Disaster Risk Reduction
UNECLAC	United Nations Economic Commission for Latin America and the Caribbean
UNEP	United Nations Environment Programme
UNESCAP	United Nations Economic and Social Commission for Asia and the Pacific
UNU-EHS	United Nations University Institute for Environment and Human Security
WIM	Warsaw International Mechanism for Loss and Damage associated with Climate Change Impacts
WMO	World Meteorological Organization
WRI	World Resources Institute

Mandate and scope

1. This addendum to the compilation and synthesis report on capacity-building work of bodies established under the Convention and its Kyoto Protocol¹ provides a compilation of the information on capacity-building activities contained in the:

- (a) Report of the AC;²
- (b) Report of the CGE;³
- (c) Report of the KCI;⁴
- (d) Reports on the 43rd and 44th meetings of the LEG;⁵
- (e) Annual technical progress report of the PCCB;⁶
- (f) Joint annual report of the TEC and the CTCN;⁷
- (g) Report of the SCF;⁸
- (h) Report of the WIM Executive Committee;⁹
- (i) Annual report of the CDM Executive Board;¹⁰
- (j) Report of the Supervisory Body for the mechanism established by Article 6, paragraph 4, of the Paris Agreement.¹¹

2. Information available to the secretariat on capacity-building activities undertaken by the bodies in 2023 after the publication of those reports was also taken into account in preparing the compilation and synthesis report and this addendum to ensure that they were up to date.

3. The compilation and synthesis report and this addendum include information on capacity-building elements contained in the second three-year workplan of the LCIPP, operationalized by the FWG. Relevant information is available on the LCIPP web portal.¹²

4. Information on capacity-building activities has been compiled in the tables contained in the annex. Table 1 provides a quantitative summary of the types of capacity-building activity undertaken, while tables 2–13 offer a more detailed account of the capacity-building activities undertaken by each body, with a focus on their objectives and outcomes.

¹ FCCC/SBI/2024/3

² FCCC/SB/2023/5.

³ FCCC/SBI/2023/20.

⁴ FCCC/SB/2023/6.

⁵ FCCC/SBI/2023/7 and FCCC/SBI/2023/17.

⁶ FCCC/SBI/2023/14.

⁷ FCCC/SB/2023/3.

⁸ FCCC/CP/2023/2–FCCC/PA/CMA/2023/8 and Add.1–6.

⁹ FCCC/SB/2023/4 and Add.1–2.

¹⁰ FCCC/KP/CMP/2023/5.

¹¹ FCCC/PA/CMA/2023/15.

¹² <https://lcipp.unfccc.int/>.

Annex

Capacity-building activities undertaken by bodies established under the Convention and its Kyoto Protocol

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Table 1
Overview of capacity-building activities undertaken in 2023 by bodies established under the Convention and its Kyoto Protocol

<i>Constituted body</i>	<i>Events/ technical meetings/ forums</i>	<i>Training/ workshops</i>	<i>Tools/ handbooks</i>	<i>Web-based seminars/ tools/ courses</i>	<i>Technical assistance/ support</i>	<i>Engagement with other entities/institutional arrangements (in the context of the reported capacity-building activities)</i>
AC	1	–	3	1	–	All adaptation-related constituted bodies, NAP Global Network, OECD
CGE	2	3	7	5	–	AC, CBIT-GSP, LEG, PAICC, PCCB, UNDP, WIM Executive Committee, WMO
FWG of the LCIPP	8	4	–	–	–	AC, KCI, LEG, TEC, Transitional Committee
KCI	9	–	2	–	–	European Commission, GIZ, International Labour Organization, PCCB, RCC Asia and the Pacific, SURECO and Partners, United Nations Global Compact Network for Malaysia and Brunei, UNDP
LEG	3	2	4	1	41 LDCs	AC, Asian Development Bank, Climate Service Center Germany, Conservation International, FAO, GCF, GEF, Group on Earth Observations, GIZ, Initiative for Enhancing Capacity for Climate Risk Assessment and Catalyzing Partnerships to Inform Decisions in Latin America and the Caribbean, International Organization for Migration, LDCs (UNFCCC negotiating group), Marrakech Partnership for Global Climate Action, Munich Climate Insurance Initiative, Nairobi work programme on impacts, vulnerability and adaptation to climate change, NAP Global Network, PCCB, Risk-informed Early Action Partnership, SCF, SLYCAN Trust, United Nations Capital Development Fund, UNDP, UNDRR, UNEP, UNU-EHS, World Health Organization, WMO, WRI
PCCB	12	–	15	2	–	Center for Environment and Development for the Arab Region and Europe, Center for International Environmental Law, Climate Change Africa Opportunities, Climate Policy Initiative, ICLEI – Local Governments for Sustainability, Impulsouth, LEG, Mediators Beyond Borders International, NAP Global Network, OECD, OHCHR, onepoint5, RCC MENA and South Asia, UNU-EHS, WRI
SCF	1	–	3	1	–	AC, academic institutions, civil society organizations, international and bilateral development finance institutions, international organizations, multilateral development banks, PCCB, private sector financial institutions, research institutions, think tanks
TEC	7	–	9	–	–	CTCN, Global Sustainable Technology and Innovation Community, GCF, NDC Partnership, RCC Asia and the Pacific, UNEP Copenhagen Climate Centre
CTCN	7	3	3	6	–	CTCN Advisory Board members (7); implementing partners (20); knowledge partners (31); national designated authorities (5); NDC Partnership; NDEs (129); Network members (32); TEC members (3); technology experts, junior government officers and civil society organizations from developing countries (354)

<i>Constituted body</i>	<i>Events/ technical meetings/ forums</i>	<i>Training/ workshops</i>	<i>Tools/ handbooks</i>	<i>Web-based seminars/ tools/ courses</i>	<i>Technical assistance/ support</i>	<i>Engagement with other entities/institutional arrangements (in the context of the reported capacity-building activities)</i>
						Financial Mechanism stakeholders, including AF, AF national implementing entities, AFCIA grantees, AFCIA representatives, GCF secretariat (three representatives), GCF Direct Access Entities (three), UNDP Inter-American Development Bank, West African Development Bank United Nations bodies (including FAO, UNEP Copenhagen Climate Centre, UNECLAC, UNESCAP), International Energy Agency, IICA, Tropical Agronomic Research and Teaching Center, youth and women organizations Academic and business collaborators (19 in total), including Chilean Agency for Sustainability and Climate Change, Expo Live Dubai, Global Digital Innovation Network, Grid Planning and Analysis Center, Korea Environment Institute, OneWorld Sustainable Investments – South Africa
WIM Executive Committee	3	3	5	2	–	Member organizations of and constituted bodies represented on the task force on displacement ^a and the TEG-CRM, ^b academic institutions, civil society organizations, international and bilateral development finance institutions, international organizations, multilateral development banks, private sector financial institutions, research institutions, think tanks
CDM Executive Board	4	–	–	–	–	African Union, East African Development Bank, Economic Community of West African States, GIZ, Institute of Francophone Countries for Sustainable Development, Inter-American Development Bank, Japan International Cooperation Agency, Organisation of Eastern Caribbean States, UNDP, UNEP, United Nations Children’s Fund, United Nations Educational, Scientific and Cultural Organization, United Nations Industrial Development Organization, United Nations Office for Project Services, West African Development Bank, World Bank
Supervisory Body for the Article 6.4 mechanism	4	29	–	15	–	Eastern Africa Alliance on Carbon Markets and Climate Finance, European Isotopes Transport Association, Foreign, Commonwealth and Development Office, GIZ, Inter-American Development Bank, Inter-American Institute for Cooperation on Agriculture, Japan International Cooperation Agency, NDC Partnership, Organisation of Eastern Caribbean States, Thailand Greenhouse Gas Management Organization, UNDP, United Kingdom of Great Britain and Northern Ireland, WRI

^a See <https://unfccc.int/process/bodies/constituted-bodies/WIMExCom/TFD/membership>.

^b See <https://unfccc.int/process/bodies/constituted-bodies/WIMExCom/TEG-CRM/membership>.

Table 2
Capacity-building activities undertaken in 2023 by the Adaptation Committee

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Publication of issue 15 of the Adaptation Finance Bulletin ^a (Web-based seminars/tools/courses)	To inform a broad range of stakeholders of recent developments in international adaptation finance	Readers were updated on recent developments in international adaptation finance. The issue was shared

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Publication of a reference paper on methodologies for reviewing the adequacy and effectiveness of adaptation and support ^b (Tools/handbooks)	To provide stakeholders with a compilation of existing methodologies for reviewing the adequacy and effectiveness of adaptation and support The paper includes details on lessons learned and challenges identified through the application of these methodologies at different levels	with approximately 5,000 recipients by email and was broadly disseminated via social media. The reference paper was developed in collaboration with the LEG. Stakeholders were provided with a comprehensive overview of existing methodologies for reviewing the adequacy and effectiveness of adaptation and support
Publication of a policy brief on progress, good practices and lessons learned in prioritizing and incorporating gender-responsive adaptation action ^c (Tools/handbooks)	To help governments and other stakeholders develop and implement gender-responsive adaptation action, taking into consideration different national circumstances and cultural values	Stakeholders were provided with an assessment of recent trends in adaptation research and action. The policy brief includes information on the formulation and implementation of NAPs, on gaps and challenges identified in applying gender-responsive approaches to adaptation, and on opportunities and good practices that governments and other stakeholders have identified and are utilizing to enhance resilience and gender equality in a comprehensive, synergistic manner
Publication of a technical paper on monitoring and evaluation of adaptation at the national and subnational levels ^d (Tools/handbooks)	To enhance knowledge and practice related to adaptation monitoring and evaluation at the national and subnational level The paper builds on and complements other recent work of the AC in adaptation monitoring and evaluation, such as the 2020/2021 Adaptation Forum on monitoring and evaluation systems at the national and subnational level and the AC technical paper on approaches to reviewing the overall progress made in achieving the global goal on adaptation ^e	Policymakers, practitioners, researchers and stakeholders interested in advancing monitoring and evaluation in adaptation were provided with both background and practical information in a set of national and subnational case studies. The case studies showcase challenges, opportunities and good practices in establishing and operationalizing monitoring and evaluation systems
Event at the Adaptation Futures 2023 conference on shaping the future of adaptation MEL ^f (Events/technical meetings/forums)	To take stock of progress in developing and applying MEL systems for adaptation and build knowledge on why MEL continues to lag behind other elements of the adaptation process and on what support is needed to improve the MEL of national adaptation action	Participants learned about the work and findings of the AC related to developing and applying MEL systems at the national and subnational level. The event featured presentations on two toolkits for adaptation monitoring and evaluation, one of which focuses on the international development cooperation realm (from OECD) ^g and the other focuses on guidance to support countries in developing MEL systems for NAP processes (from the NAP Global Network). ^h Information was provided on new developments and tools in the realm of adaptation MEL, and insights were shared on how to assist countries, subnational

Activity	Objective(s)	Quantitative/qualitative outcome(s)
		governments, development cooperation partners and other stakeholders in designing and implementing coherent, effective MEL systems

^a Available at <https://unfccc.int/adaptation-finance-bulletin-adaptation-committee>.

^b AC, LEG and SCF. 2023. *Methodologies for reviewing the adequacy and effectiveness of adaptation and support*. Reference paper. Bonn: UNFCCC. Available at <https://unfccc.int/documents/633175>.

^c AC. 2023. *Progress, good practices and lessons learned in prioritizing and incorporating gender-responsive adaptation action*. Bonn: UNFCCC. Available at <https://unfccc.int/node/632770/>.

^d AC. 2023. *Monitoring and evaluation of adaptation at the national and subnational levels*: Technical paper by the Adaptation Committee. Bonn: UNFCCC. Available at <https://unfccc.int/node/632792>.

^e AC. 2021. *Approaches to reviewing the overall progress made in achieving the global goal on adaptation*. Technical paper by the Adaptation Committee.

Bonn: UNFCCC. Available at <https://unfccc.int/documents/273844>.

^f See https://unfccc.int/event/future_mel.

^g OECD TOOLKIT - *Impact by design - Effective Results Frameworks for Sustainable Development* | Capacity4dev. Available at https://capacity4dev.europa.eu/library/oecd-toolkit-impact-design-effective-results-frameworks-sustainable-development_en.

^h To be issued in 2024.

Table 3
Capacity-building activities undertaken in 2023 by the Consultative Group of Experts

Activity	Objective(s)	Quantitative/qualitative outcome(s)
Three regional training workshops – one in English and French for the Africa region, one in English and Spanish for the Latin America and the Caribbean region and one in English for the Asia-Pacific and Eastern Europe regions – on reporting information on climate change impacts and adaptation, and support needed and received in relation to adaptation reporting ^a (Training/workshops)	<p>(a) To raise the awareness of national institutions and experts on the provisions for reporting information on climate change impacts and adaptation, including on support needed and received, under the Convention and the Paris Agreement</p> <p>(b) To provide participants with an overview of data-collection and data management methodologies and approaches for assessing impacts, risks and vulnerabilities and to enhance their understanding of how to translate the results of impact, vulnerability and risk assessments into priority adaptation actions, how to report information related to averting, minimizing and addressing loss and damage associated with climate change impacts and how to report on support needed and received for adaptation</p> <p>(c) To promote good practices for and draw on lessons learned from communicating adaptation information under the Convention and the Paris Agreement, and to facilitate networking and experience-sharing among national experts</p>	<p>A total of 157 participants (42 per cent female and 58 per cent male) from 78 countries attended the three workshops</p> <p>When surveyed after the workshops, all respondents from the Asia-Pacific and Eastern Europe workshop and the Latin America and the Caribbean workshop and 98 per cent of respondents from the Africa workshop rated the workshop as either excellent or good. Participants reported that the workshops were well structured and well organized. Training sessions were well presented and well facilitated, and participants' questions were addressed. Participants noted that the training materials and the presentations enhanced their understanding of adaptation-related topics and how adaptation-related information can be reported under the Paris Agreement. Moreover, the respondents indicated that the materials provided key information they will refer to and benefit from in their work on identifying needs, planning for adaptation action and preparing NAPs and BTRs. They also expressed the view that the experience and lessons learned of other countries will guide them in preparing their BTRs</p>

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Three regional webinars – one for Africa and Eastern Europe, one for Asia and the Pacific and one for Latin America and the Caribbean – introducing updated CGE training materials for reporting on mitigation actions under the ETF ^b (Web-based seminars/tools/courses)	(a) To provide an overview of the ETF (b) To discuss key approaches to assessing mitigation options (c) To provide an overview of the reporting of information on mitigation actions under the ETF, including the status of implementation of approaches under Article 6 of the Paris Agreement (d) To showcase experience, lessons learned and best practices from countries in relation to the reporting of mitigation information	A total of 155 participants attended the three webinars When surveyed after the webinars, respondents were overall satisfied with the content of the presentations and appreciative of the comprehensive information shared on the ETF and the operationalization of Article 6 of the Paris Agreement, including how operationalization is linked to the preparation of BTRs, as well as on the latest CGE activities. The level of interaction between the speakers and the participants was considered sufficient
Side event (CGE dialogue) at SB 58 for Parties and non-Party stakeholders on promoting data collection for transparency reporting ^c (Events/technical meetings/forums)	(a) To showcase the support provided by the CGE to developing countries, with a focus on its existing and upcoming materials and activities (b) To provide a platform for CGE members, national governments, and non-Party stakeholder data providers and collectors to discuss how to promote data collection for reporting under the ETF and for tracking the progress of implementation of the Paris Agreement (c) To collect feedback on the support provided by the CGE to developing countries and their preference regarding topics for CGE capacity-building activities in 2024	Around 70 participants, including speakers, attended the event. 22 per cent identified themselves as national transparency experts, 35 per cent as non-Party stakeholders and 43 per cent as other relevant stakeholders When surveyed after the event, respondents indicated that they appreciated that speakers (representatives of national governments, non-Party stakeholder data collectors and the private sector) were open to suggestions and collaboration. Participants reported that CGE technical materials and capacity-building activities are helpful in their work on national transparency
Side event at COP 28 on achievements of the CGE, upcoming activities and national insights into the preparation of BTRs ^d (Events/technical meetings/forums)	(a) To present the achievements of the CGE in supporting developing country Parties and provide information on upcoming activities (b) To present the latest findings from the CGE capacity-building needs assessment and stocktake survey (c) To present and discuss the lessons learned by and experience of Parties in their transition to the ETF (d) To hear directly from developing country Parties on any new and emerging areas for which they require technical assistance and support	Around 40 participants, including speakers, attended the event. The CGE shared information on support provided to developing countries and findings on the capacity-building needs of developing countries in preparing BTRs, and collected feedback on the work of the CGE national transparency experts and a PAICC Co-Chair shared their insights into BTR preparation When surveyed after the event, all the respondents indicated that the event met their expectations
Continuation of CGE e-learning courses covering vulnerability and adaptation assessment, mitigation assessment and national GHG inventory preparation (Web-based seminars/tools/courses)	To enhance the capacity of national experts involved in preparing NCs	In 2023, 348 participants registered for the courses

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Continuation of the training programme for experts conducting the technical analysis of BURs ^e (Web-based seminars/tools/courses)	To establish and increase expertise in the technical analysis of BURs	The sixteenth round of the training programme was offered in 2023, during which 440 experts registered and undertook the online training course and 94 experts participated in the certification process and took the examination
Update and publication of the CGE technical paper on problems, constraints, lessons learned and capacity-building needs in preparing NCs and BURs ^f (Tools/handbooks)	(a) To assess the existing and emerging needs and gaps of developing countries in implementing the existing MRV arrangements under the Convention and preparing for the ETF (b) To provide technical assistance and support to developing countries in a targeted, strategic manner	The updated technical paper draws on the most recent NCs (152) and BURs (90) that had been submitted by 152 developing country Parties as at 30 June 2023 and the 59 summary reports on the technical analysis of BURs that had been published as at the same date. The paper also contains information on emerging needs in relation to the ETF collected by the CGE 2023 stocktake survey. The assessment conducted for the paper informed the 2024 CGE workplan
Production of a distilled version of the updated CGE technical paper on problems, constraints, lessons learned and capacity-building needs in preparing NCs and BURs ^g (Tools/handbooks)	To provide a visualization of the information contained in the technical paper with the aim of conveying the information in a more user-friendly manner and reaching a broader range of support providers and transparency experts and practitioners	The distilled version of the updated technical paper visually presents the information. The technical paper and its distilled version were published on the CGE transparency needs assessment web page and promoted on LinkedIn and Facebook. Key findings from the paper were presented at the CGE side event held at COP 28
Publication of the <i>CGE Stocktake Report 2023</i> ^h (Tools/handbooks)	(a) To gather up-to-date information on problems, constraints and lessons learned, as well as capacity-building needs, from developing country Parties in their implementation of the existing MRV arrangements under the Convention and preparation for the ETF (b) To take stock of the status of implementation of several elements of national MRV processes and enhance understanding of the expectations of developing country Parties regarding assistance from the CGE in implementing the existing MRV arrangements and the ETF	A total of 23 developing country Parties participated in the 2023 CGE stocktake survey conducted for the report. The report contains the key results of the survey, which, inter alia, informed the 2024 CGE workplan
Update of the technical handbook for developing country Parties on preparing for implementation of the ETF ⁱ (Tools/handbooks)	To improve awareness and understanding regarding the ETF and its modalities, procedures and guidelines for national experts and practitioners from developing country Parties so that they may consider opportunities to improve current reporting practices and start planning for the establishment of institutional arrangements for reporting under the ETF	The technical handbook, prepared as a knowledge tool, attempts to strike a balance in communicating the modalities, procedures and guidelines in plain language in order to improve accessibility

Activity	Objective(s)	Quantitative/qualitative outcome(s)
Update of the CGE adaptation training material for ETF reporting ^j (Tools/handbooks)	To equip developing country Parties with the latest information on methodological tools and models that will facilitate their preparation of the relevant inputs required under the ETF for reporting information on vulnerability and adaptation in NCs and BTRs	The updated handbook was translated into all United Nations languages and made available online in January 2023 The updated material was made available online in January 2023 and had been downloaded 556 times as at December 2023
Update of the CGE mitigation training material for ETF reporting ^k (Tools/handbooks)	(a) To support experts and policymakers in developing country Parties in collating and preparing information for reporting on climate change mitigation (b) To help countries assess and manage the challenges associated with reporting on mitigation actions (c) To enhance climate action and access by developing countries to the support needed to implement it	The updated material was made available online in March 2023 and had been downloaded 1,779 times as at December 2023
Enhancement of the CGE toolbox on institutional arrangements ^l (Tools/handbooks)	To facilitate the improvement by experts and practitioners of their countries' institutional arrangements to support implementation of the existing MRV arrangements and transition to the ETF	Two new case studies – from Cuba and Zambia – were added to the toolbox

^a See <https://unfccc.int/process/bodies/constituted-bodies/consultative-group-of-experts/calendar-of-meetings/archive-of-meetings>.

^b See <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/consultative-group-of-experts-cge/cge-webinar-series>.

^c See <https://unfccc.int/event/promoting-data-collection-for-paris-agreement-a-cge-dialogue-for-parties-and-non-party-stakeholders>.

^d See <https://unfccc.int/event/cge-side-event-at-cop-28>.

^e See <https://unfccc.int/process-and-meetings/transparency-and-reporting/training-programmes-for-experts/technical-analysis-of-biennial-update-reports-from-developing-country-parties/training-for-the-technical-analysis-of-biennial-update-reports>.

^f FCCC/TP/2023/5.

^g CGE. 2023. *CGE Technical Paper 2023 Distilled: Updated technical paper on problems, constraints, lessons learned and capacity-building needs in preparing national communications and biennial update reports*. Bonn: UNFCCC. Available at https://unfccc.int/sites/default/files/resource/CGE_TP_2023_Distilled.pdf.

^h CGE. 2023. *CGE Stocktake Report 2023*. Bonn: UNFCCC. Available at <https://unfccc.int/sites/default/files/resource/-CGE%20Stocktake%20Survey%20Report%202023.pdf>.

ⁱ CGE. 2023. *Technical handbook for developing country Parties on Preparing for implementation of the enhanced transparency framework under the Paris Agreement*. Bonn: UNFCCC. Available at https://unfccc.int/sites/default/files/resource/ETF%20Handbook-Edt2_EN.pdf.

^j CGE. 2023. *CGE Training Material on Reporting Information Related to Climate Change Impacts and Adaptation*. Bonn: UNFCCC. Available at <https://unfccc.int/sites/default/files/resource/CGE%20Training%20materials%20A-BTR.pdf>.

^k See <https://unfccc.int/process-and-meetings/transparency-and-reporting/support-for-developing-countries/consultative-group-of-experts/enhanced-transparency-framework-technical-material#CGE-Mitigation-materials-for-ETF-reporting>.

^l See <https://unfccc.int/CGE/IA>.

Table 4

Capacity-building activities undertaken in 2023 by the Facilitative Working Group of the Local Communities and Indigenous Peoples Platform

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
LCIPP youth round table ^a (Events/technical meetings/forums)	To advance the engagement of Indigenous youth and youth from local communities in designing and implementing climate policies and actions at all levels, including the UNFCCC process, such as at COP 28	The round table provided an opportunity for intergenerational knowledge-sharing and contributed to building the capacity of Indigenous youth and youth from local communities to understand and engage in the main agenda items at COP 28
LCIPP third annual gathering of knowledge holders ^b (Events/technical meetings/forums)	To bring together knowledge holders to share and promote adaptation actions that are based on and guided by the best available science, including traditional knowledge, knowledge systems of Indigenous Peoples and local knowledge, in accordance with Article 7 of the Paris Agreement	The gathering contributed to building the capacity of Parties, United Nations bodies and other relevant stakeholders to ethically and meaningfully engage with Indigenous Peoples and local communities and their knowledge systems through the sharing of practices, perspectives, rights of Indigenous Peoples and good practices of Indigenous Peoples and local communities related to water, energy and food interconnectedness
Indigenous curricula and materials round table dialogue ^c (Events/technical meetings/forums)	To demonstrate the impact of integrating Indigenous values and knowledge into education systems on climate action	The event built the capacity of Parties, United Nations bodies and other relevant stakeholders to ethically engage with Indigenous knowledge systems and the knowledge of local communities by demonstrating the impact of integrating Indigenous values and knowledge into education systems on climate action
LCIPP multi-stakeholder dialogue ^d (Events/technical meetings/forums)	To strengthen climate action on the basis of the best available knowledge by promoting the ethical and equitable treatment of Indigenous knowledge in education and research	The dialogue provided the opportunity for representatives of United Nations Indigenous sociocultural regions to share examples of Indigenous technologies and traditional practices contributing to mitigating and adapting to climate change with Parties and members of the TEC and for a discussion on how the technologies and practices can be ethically and equitably applied in climate policymaking and action
10 th meeting of the FWG ^e (Events/technical meetings/forums)	To facilitate operationalization of the LCIPP	An agenda item was dedicated to raising awareness and enhancing the coherence of the actions of the FWG with other constituted bodies, including through organizing a dialogue specifically with the LEG, the Transitional Committee and the KCI
Virtual training workshop on advancing meaningful participation of Indigenous Peoples and local communities in the UNFCCC process (module 3) ^f (Training/workshops)	To advance the meaningful participation of Indigenous Peoples and local communities in the UNFCCC process and strengthen their capacity to actively engage in the	The workshop, held back to back with the informal LCIPP contributors' briefing in November 2023, raised awareness and understanding of Indigenous Peoples and local communities regarding (1) the concepts of

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
	climate policymaking process at the national and international level	mitigation and response measures, (2) the United Arab Emirates just transition work programme (formerly the work programme on just transition pathways), (3) ways to participate in the 10 th meeting of the FWG and LCIPP mandated events at COP 28
LCIPP Pacific regional gathering ^g (Events/technical meetings/forums)	To bring together stakeholders from the Pacific region, with the participation of Indigenous Peoples and Indigenous knowledge holders, focused on identifying and addressing the impacts of climate change and bringing together strategies and techniques to reduce GHG emissions and build climate resilience in a manner that respects and promotes human rights	The exchanges and sharing of experience at the gathering built the capacity of Indigenous knowledge holders and local knowledge holders from the Pacific region to engage in the UNFCCC process, specifically on loss and damage and the development of NAPs and NDCs
LCIPP Arctic regional gathering ^h (Events/technical meetings/forums)	To bring together stakeholders from the Arctic region, with the participation of Indigenous Peoples and Indigenous knowledge holders, focused on identifying and addressing the impacts of climate change and bringing together strategies and techniques to reduce GHG emissions and build climate resilience in a manner that respects and promotes human rights	The exchanges and sharing of experience at the gathering built the capacity of Indigenous knowledge holders and local knowledge holders from the Arctic region to engage in the UNFCCC process, specifically on the impact of the implementation of response measures, and loss and damage
Workshop for Parties and constituted bodies on transforming climate action through engaging Indigenous Peoples and local communities ⁱ (Training/workshops)	To enhance the capacity of Parties, UNFCCC constituted bodies and other stakeholders to strengthen the human rights-based engagement of Indigenous Peoples and engagement of local communities in national, regional and global climate policymaking, as well as in the work of relevant bodies and processes under and outside the Convention related to assessing and responding to climate change	The workshop promoted the application of values and knowledge systems of Indigenous Peoples and perspectives of local communities in the climate policymaking process at all levels by sharing best practices
Workshop on advancing meaningful participation of Indigenous Peoples and local communities in the UNFCCC process (module 2) ^j (Training/workshops)	To advance the meaningful participation of Indigenous Peoples and local communities in the UNFCCC process and strengthen their capacity to actively engage in the climate policymaking process at the national and international level	The workshop, held in June 2023, raised awareness and understanding of Indigenous Peoples and local communities relating to NAPs, loss and damage finance, the Sharm el-Sheikh joint work on implementation of climate action on agriculture and food security, and Action for Climate Empowerment
9 th meeting of the FWG ^k (Events/technical meetings/forums)	To facilitate operationalization of the LCIPP	An agenda item was dedicated to raising awareness and enhancing the coherence of the actions of the FWG with other constituted bodies, including through organizing a dialogue, specifically with the CGE and the PCCB

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Virtual training workshop on advancing meaningful participation of Indigenous Peoples and local communities in the UNFCCC process (module 1) ^f (Training/workshops)	To advance the meaningful participation of Indigenous Peoples and local communities in the UNFCCC process and strengthen their capacity to actively engage in the climate policymaking process at the national and international level	The workshop, held back to back with the informal LCIPP contributors' briefing in May 2023, raised awareness and understanding of Indigenous Peoples and local communities regarding (1) the global stocktake and the global goal on adaptation, (2) ways to participate in the 9 th meeting of the FWG and LCIPP mandated events at SB 58

^a See <https://lcipp.unfccc.int/events/lcipp-youth-roundtable-dialogue-parties-and-other-stakeholders>.

^b See <https://lcipp.unfccc.int/events/lcipp-third-annual-gathering-knowledge-holders-dialogue-parties-and-other-stakeholders>.

^c See <https://lcipp.unfccc.int/events/indigenous-curricula-and-materials-round-table-dialogue-0>.

^d See <https://lcipp.unfccc.int/events/lcipp-multi-stakeholder-dialogue>.

^e See <https://lcipp.unfccc.int/events/10th-meeting-facilitative-working-group-fwg-10>.

^f See <https://lcipp.unfccc.int/events/virtual-training-workshop-module-3-back-back-informal-contributors-briefing-nov-2023-session-2>.

^g See <https://lcipp.unfccc.int/events/lcipp-pacific-regional-gathering>.

^h See <https://lcipp.unfccc.int/events/lcipp-arctic-regional-gathering>.

ⁱ See <https://lcipp.unfccc.int/events/workshop-parties-and-constituted-bodies-transforming-climate-action-through-engaging-indigenous>.

^j See <https://lcipp.unfccc.int/events/workshop-advancing-meaningful-participation-indigenous-peoples-and-local-communities-unfccc-process>.

^k See <https://lcipp.unfccc.int/events/9th-meeting-facilitative-working-group-fwg-9>.

^l See <https://lcipp.unfccc.int/events/advancing-meaningful-participation-indigenous-peoples-and-local-communities-unfccc-virtual-training>.

Table 5
Capacity-building activities undertaken in 2023 by the Katowice Committee of Experts on the Impacts of the Implementation of Response Measures

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Publication of a compilation of country-driven best practices for the implementation of just transition and economic diversification strategies ^a (Tools/handbooks)	To inform stakeholders of the opportunities and challenges arising from the implementation of low GHG emission policies, focusing on the challenges and opportunities from the implementation of low GHG emission policies and strategies towards the achievement of sustainable development	The compilation, published in March 2024, provides 41 country-driven strategies in various sectors from developing and developed countries
Publication of a technical paper on the impacts of emerging industries and businesses in hydrogen, carbon capture utilization and storage, and AI ^b (Tools/handbooks)	To build understanding of the impacts of emerging industries and businesses resulting from the implementation of climate change mitigation response measures with a view to maximizing the positive and minimizing the negative impacts thereof	The technical paper, published in October 2024, describes the opportunities and challenges that hydrogen, carbon capture, utilization and storage, and AI technologies offer, which include the creation of sustainable jobs, skills and knowledge
Side event at SB 58 on just transition in the energy sector ^c (Events/technical meetings/forums)	To discuss the undertaking of a just transition in the energy sector, which is the sector that contributes the most GHG emissions globally	The event saw experts and workers from businesses, governments and think tanks presenting their views on how to enhance implementation of a just transition in the energy sector. One of the key takeaways from the

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Event at MENA Climate Week 2023 on achieving climate action and socioeconomic prosperity in harmony ^d (Events/technical meetings/forums)	To raise the awareness and enhance the understanding of participants from the region regarding the roles of the tools and methodologies for socioeconomic impact assessments in the planning of policies aimed at achieving climate objectives and sustainable development	event is that, to gain social acceptance of climate mitigation action and support the decarbonization of economies, the energy sector should focus on job creation and workforce reskilling The event saw the sharing of experience in evidence-based policymaking in Algeria and Ghana, which involved the use of modelling tools, and a presentation from an international organization on a project through which it supports countries in modelling the socioeconomic impacts of policies
Event at MENA Climate Week 2023 on economic diversification in the context of climate actions ^e (Events/technical meetings/forums)	To showcase strategies that have been adopted in the region to diversify the economy and sustain economic development while taking adequate action towards meeting climate commitments, and to illustrate how emerging technologies such as carbon dioxide capture and storage and hydrogen production and use are playing a critical role in these strategies	The event saw the sharing of experience on economic diversification in Saudi Arabia and showcased the opportunities for economic diversification that arise from the application of emerging technologies such as hydrogen production and use
Event at Latin America and Caribbean Climate Week 2023 on accelerating climate action through the private sector ^f (Events/technical meetings/forums)	To obtain information from relevant stakeholders – through interaction and the sharing of experience and best practices – on how the private sector is accelerating climate action to enable a just transition towards a low-carbon, resilient economy and the creation of decent work	The event, organized in collaboration with SURECO and Partners, provided insights that fed into the preparation of a technical paper on engaging the private sector in facilitating the creation of decent work and quality jobs in low GHG emitting sectors. Key messages arising from the discussion at the event include the need to translate climate change issues into terms that are understood by the private sector, for example specifying the risks of climate change to business
Event at Latin America and Caribbean Climate Week 2023 on planning for a just transition ^g (Events/technical meetings/forums)	To raise the awareness of participants from the region regarding the importance of understanding the socioeconomic impacts of a just transition and taking them into account in the policy planning process	The event highlighted the necessity of understanding the socioeconomic impacts of climate policies and, acknowledging that climate change is not an isolated issue, of taking a holistic approach to tackling climate change
Event at Asia-Pacific Climate Week 2023 on Asian private sector leadership in climate action and resilience ^h (Events/technical meetings/forums)	To spotlight exemplary journeys of Asian private sector leaders that have embarked on successful decarbonization paths that have translated to broader societal benefits, and to delve into the intricacies of economic and social trade-offs, with a focus on the impact of climate policies on business, employment and	The event, organized in collaboration with the United Nations Global Compact Network for Malaysia and Brunei and RCC Asia and the Pacific, provided insights that fed into the preparation of a technical paper on engaging the private sector in the facilitation of the creation of decent work and quality jobs in low GHG emitting sectors. Key messages arising from the

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
	the pursuit of inclusive economic growth during the transition to low GHG emission economies	discussion at the event include the need for private sector actors to collaborate with one another in order to offer solutions to climate change
Event at Asia-Pacific Climate Week 2023 on delivering the Paris Agreement in the Asia-Pacific region through integrating just transition policies in the NDCs and LT-LEDS ⁱ (Events/technical meetings/forums)	To raise the awareness and enhance the understanding of participants from the region regarding just energy transitions; the incorporation of a just transition and economic diversification into NDCs and LT-LEDS; and possible trade-offs between climate objectives and sustainable development and policies that need to be put in place to achieve both	The event, organized in collaboration with RCC Asia and the Pacific, generated a rich discussion on how, by incorporating just transition approaches into their NDCs and LT-LEDS, countries can advance inclusive climate action – considering all sectors and stakeholders – and achieve socioeconomic development goals
Side event at the just transition pavilion at COP 28 on a just transition and sustainable development ^j (Events/technical meetings/forums)	To raise the awareness and enhance the understanding of participants regarding the role of macroeconomics in the planning of policies to achieve climate objectives and sustainable development	The event, organized in collaboration with UNDP and held at the just transition pavilion and hosted by the International Labour Organization and the European Commission, highlighted that macroeconomics can be utilized to inform policymakers of the socioeconomic impacts of climate policies and the contribution of climate actions to sustainable development
Event at the 5 th Capacity-building Hub at COP 28 on the necessary path to greener and more resilient urban cities ^k (Events/technical meetings/forums)	To share best practices and socioeconomic-related opportunities and challenges in the transition towards low-emission cities	The event, held at the Capacity-building Hub and hosted by the PCCB, provided insights – from the perspectives of governments, employee organizations and think tanks – on the opportunities and challenges in the transition towards low-emission cities. One of the key takeaways from the event is that transition in any sector will have cross-sectoral impacts, hence the need to plan transition using a holistic approach

^a KCI. 2023. *Implementation of just transition and economic diversification strategies: a compilation of best practices from different countries*. Bonn: UNFCCC. Available at <https://unfccc.int/documents/624596>.

^b KCI. 2023. *Impacts of Emerging Industries and Businesses Hydrogen, Carbon Capture Utilisation and Storage and Artificial Intelligence*. Bonn: UNFCCC. Available at <https://unfccc.int/documents/632556>.

^c See <https://unfccc.int/event/unfccc-just-transition-in-energy-sector-leaving-no-one-behind>.

^d See https://unfccc.int/response-measures/events/MENACW2023_Use_of_tools.

^e See https://unfccc.int/response-measures/events/MENACW2023_Economic_diversification.

^f See https://unfccc.int/response-measures/events/LACCW2023_Private_sector.

^g See https://unfccc.int/response-measures/events/LACCW2023_Planning_just_transition.

^h See https://unfccc.int/response-measures/events/APCW2023_Private_sector.

ⁱ See https://unfccc.int/response-measures/events/APCW2023_Integrating_just_transition.

^j See <https://live.ilo.org/events/ilo-cop-28-events-just-transition-pavilion-day-1-afternoon-2023-12-01>.

^k See <https://unfccc.int/event/cities-reimagined-bringing-everyone-on-board-the-necessary-path-to-greener-and-more-resilient-urban>.

Table 6
Capacity-building activities undertaken in 2023 by the Least Developed Countries Expert Group

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
NAP writing workshop for the African LDCs and Haiti ^a (Training/workshops)	To support NAP country teams, with the support of relevant delivery partner(s), agency(ies) or designated authority(ies) the countries have decided to work with, to develop their project ideas into concept notes or proposals for funding for submission to the AF, the GCF or the LDCF	As at 14 September 2023, 40 of the 46 LDCs had developed a total of 92 project ideas, of which 3, by the Central African Republic, Ethiopia and Togo, had been submitted as proposals for funding to the GCF and 4 had been developed into GCF concept notes. One project idea, from Bhutan, was successfully converted into a project proposal with a corresponding request for funding submitted to and approved by the GEF for funding under the LDCF
NAP Expo 2023 ^b (Events/technical meetings/forums)	To raise adaptation ambition by advancing the formulation and implementation of NAPs under the theme of the Expo, “Scaling up adaptation”	NAP Expo 2023 was attended by almost 400 participants worldwide, including 6 keynote speakers, 230 Party participants, and 150 participants from United Nations entities and other international organizations, the private sector, youth networks, academia, and national and subnational authorities. The Expo provided a space for developing new ideas on scaling up adaptation planning and implementation; promoting the establishment of communities of practice on, inter alia, data and climate change scenarios, integrating gender, youth and private sector considerations into the formulation and implementation of NAPs, developing project proposals, and implementing adaptation actions and tracking progress; establishing regional cooperative partnerships on, for example, the response to transboundary climate risks; and producing joint publications and products, such as supplements to the technical guidelines for the formulation and implementation of NAPs
Regional NAP Expo for Asia and the Pacific ^c (Events/technical meetings/forums)	To raise adaptation ambition by advancing the formulation and implementation of NAPs in the Asia-Pacific region	Held as part of Korea Global Adaptation Week 2023, the event showcased transformative adaptation action in Asia and the Pacific, including addressing early warning systems in NAPs; addressing food security in NAPs; considering regional approaches to implementing NAPs; addressing multi-stakeholder engagement in NAPs; accessing adaptation finance through national and regional entities; scaling up support for transformational adaptation action at the local level in the Asia-Pacific region; utilizing

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
NAP writing workshop for the Asian LDCs ^d (Training/workshops)	To support NAP country teams, with the support of relevant delivery partner(s), agency(ies) or designated authority(ies) the countries have decided to work with, to develop their project ideas into concept notes or proposals for funding for submission to the AF, the GCF or the LDCF	experience and lessons learned from the Local Climate Adaptive Living Facility; and maximizing the potential of climate risk and vulnerability assessments for scaling up adaptation action As at 14 September 2023, 40 of the 46 LDCs had developed a total of 92 project ideas, of which 3, by the Central African Republic, Ethiopia and Togo, had been submitted as proposals for funding to the GCF and 4 had been developed into GCF concept notes. One project idea, from Bhutan, was successfully converted into a project proposal with a corresponding request for funding submitted to and approved by the GEF for funding under the LDCF
Event at Africa Climate Week on regional approaches in NAPs and their implementation ^e (Events/technical meetings/forums)	To showcase practical ways to design and implement regional adaptation programmes with countries, Financial Mechanism operating entities and other providers of support	The LDCs and other relevant stakeholders were provided with information on regional approaches to implementing adaptation action
Publication on mapping of relevant sources of finance for climate change adaptation for the LDCs ^f (Tools/handbooks)	To provide a mapping of relevant sources of finance for adaptation, including sources other than Financial Mechanism operating entities, with the aim of supporting the LDCs in their efforts to develop and implement NAPs In contrast to outreach products that describe information by source, the publication presents information from the lens of needs for funding. The information is presented in main clusters of needs, namely concrete adaptation activities, capacity-building and other enabling activities, and maintaining the process of formulating and implementing NAPs	The LDCs and other interested stakeholders were provided with information on available sources of funding for adaptation
Publication on progress in the formulation and implementation of NAPS 2023 ^g (Tools/handbooks)	To provide information on the progress of Parties in the process to formulate and implement NAPs, including on support provided and received, as compiled by the LEG as part of its work programme for 2023–2024	The information in the publication served as the main input to negotiations related to NAPs and also informed stakeholders about ongoing efforts in the provision of finance, technology and capacity-building support to developing country Parties
Publication of a reference paper on methodologies for reviewing the adequacy and effectiveness of adaptation and support ^h (Tools/handbooks)	To provide stakeholders with a compilation of existing methodologies for reviewing the adequacy and effectiveness of adaptation and support	The reference paper was developed in collaboration with the AC. Stakeholders were provided with a comprehensive overview of existing methodologies for reviewing the adequacy and effectiveness of adaptation and support

Activity	Objective(s)	Quantitative/qualitative outcome(s)
Publication of a synthesis report on efforts of the LDCs in implementing adaptation projects ⁱ (Tools/handbooks)	<p>The paper includes details on lessons learned and gaps and challenges identified through the application of these methodologies at different levels</p> <p>To provide evidence of the efforts of the LDCs in implementing adaptation action over the past 20 years</p> <p>The report presents the approaches undertaken by the LDCs to address specific climate hazards and to build resilience in key economic systems. It identifies trends and key lessons learned to inform further implementation of adaptation in the LDCs and other vulnerable countries</p>	The LDCs and other stakeholders were provided with a synthesis of efforts of the LDCs in implementing adaptation action over the past 20 years with a view to informing further ambitious action
Publication of a technical paper on climate change adaptation project profiles from the LDCs ^j (Tools/handbooks)	<p>To provide project ideas that can be developed into concept notes or proposals for funding to be submitted by the LDCs to a funding entity</p> <p>The project ideas and proposals were developed through the NAP implementation pipeline development initiative</p>	Published in November 2023, the compilation of project ideas and proposals is targeted at stakeholders in a position to support the LDCs, either in developing project ideas into proposals for submission to a funding entity or in providing funding to implement the measures identified in those proposals
Maintaining NAP Central ^k (Web-based seminars/tools/courses)	To provide a platform for sharing NAPs and other outputs related to the NAP process and links to relevant resources and tools (e.g. NAP technical guidelines and supplements thereto)	As at 31 December 2023, 52 NAPs from developing country Parties and 1 NAP from a developed country Party had been shared on NAP Central, along with various outputs related to the NAP process and 35 supplements to the NAP technical guidelines

^a See <https://napexpo.org/workshops/africanap2023/>.

^b See <https://napexpo.org/2023/>.

^c See <https://napexpo.org/asia2023/>.

^d See <https://napexpo.org/workshops/asianap2023/>.

^e See <https://unfccc.int/event/leg-regional-approaches-acs23>.

^f LEG. 2023. *Mapping of relevant sources of finance for climate change adaptation for the least developed countries*. Bonn: UNFCCC. Available at https://unfccc.int/sites/default/files/resource/Mapping%20of%20relevant%20sources%20of%20finance_Nov2023.pdf.

^g LEG. 2023. *National Adaptation Plans 2023 UNFCCC LDC Expert Group Progress in the formulation and implementation of NAPs*. Bonn: UNFCCC. Available at <https://unfccc.int/sites/default/files/resource/NAP-progress-publication-2023.pdf>.

^h AC, LEG, and SCF. 2023. *Methodologies for reviewing the adequacy and effectiveness of adaptation and support. Reference paper*. Bonn: UNFCCC. Available at <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/adaptation-committee-ac/publications-bulletin/methodologies-for-reviewing-the-adequacy-and-effectiveness-of-adaptation-and-support-reference-paper>.

ⁱ LEG. 2023. *Efforts of the Least Developed Countries in implementing adaptation projects under the national adaptation programmes of action, national adaptation plans and related programmes through the financial mechanism of the Convention and the Paris Agreement*. Bonn: UNFCCC. Available at https://unfccc.int/sites/default/files/resource/UNFCCC_LEG_Synthesis_Report_2023.pdf.

^j LEG. 2024. *Climate change adaptation project profiles from the Least Developed Countries*. Bonn: UNFCCC. Available at https://unfccc.int/sites/default/files/resource/LDC-adaptation-project-ideas_November2023.pdf.

^k See <https://napcentral.org>.

Table 7
Capacity-building activities undertaken in 2023 by the Paris Committee on Capacity-building

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Publication of translations of the PCCB toolkit to assess capacity-building gaps and needs to implement the Paris Agreement ^a (Tools/handbooks)	To support the efforts of countries to assess their capacity-building needs and capacity gaps related to implementing the Paris Agreement The toolkit provides an overview of a capacity assessment cycle and complementary resources, including case studies, tools, best practices and lessons learned, all of which guide an assessment process that enables countries to identify steps they can take to strengthen their national capacity to address climate change	The toolkit was translated into Arabic, French and Spanish with the support of RCC MENA and South Asia and PCCB Network member Impulsouth. The translations improve the accessibility and usability of the document
Two meetings of the ICG ^b on the margins of SB 60 and COP 28 (Events/technical meetings/forums)	(a) To provide a conducive space for representatives of constituted bodies, operating entities of the Financial Mechanism and relevant processes under the Convention and the Paris Agreement to coordinate climate change related capacity-building plans and activities (b) To enable better sharing of information, improved coherence and identification of opportunities in relation to capacity-building	A total of 15 UNFCCC bodies, entities and processes are represented in the ICG, including those with a focus on cross-cutting issues such as gender, Indigenous Peoples' knowledge and youth. Several opportunities for synergy and collaboration among them were identified at the two ICG meetings held in 2023. Summary reports of the meetings are publicly available online
Update and publication of the forward-looking overview of capacity-building activities of constituted bodies, operating entities and UNFCCC processes represented in the ICG ^c (Tools/handbooks)	(a) To facilitate the work of the ICG (b) To contribute to enhancing coherence and coordination of capacity-building under the Convention and the Paris Agreement, with a focus on avoiding duplication of effort	The ICG welcomed the overview as a valuable tool for identifying synergies and areas for collaboration between the PCCB and the bodies, entities and processes represented in the ICG
Preparation and publication of six capacity-building resource e-booklets ^d (Tools/handbooks)	To showcase and facilitate access to capacity-building-related products and activities of UNFCCC bodies, entities and processes represented in the ICG under various thematic areas	A total of 172 capacity-building resources were identified in the six e-booklets, which focus on (1) adaptation and resilience, (2) climate action with a focus on effective capacity-building and mainstreaming of cross-cutting issues, (3) climate finance, (4) mitigation, (5) technology and (6) transparency
Extension of the online course "Introduction to climate change and human rights" ^e (Web-based seminars/tools/courses)	To provide the general public with modalities to better understand and increase their participation in the response to climate change and human rights challenges and opportunities	The free self-paced course, which is hosted on the One UN Climate Change Learning Partnership platform, was co-developed by the PCCB and OHCHR in collaboration with the secretariat and with support from

Activity	Objective(s)	Quantitative/qualitative outcome(s)
	The course includes a section on women and gender-responsive climate action	<p>the German Government. The third and final year of the course was 2023</p> <p>As at 31 December 2023, 25,620 participants from 187 countries had registered for the course and 7,620 certificates had been awarded. Of the learners, 54 per cent were female, 45 per cent male and 1 per cent non-binary. The majority of learners were students (about 50 per cent); other learners were from the private sector, academia, non-governmental organizations, civil society organizations, and international or regional networks. About 10 per cent were affiliated with national or subnational government entities</p> <p>Feedback indicated that about 95 per cent of learners who completed the course agreed or strongly agreed that the most recent information available was presented in the course and about 85 per cent stated that the content of the modules is relevant to their job</p>
Event at NAP Expo 2023 on creating a national adaptation programme and building long-term capacity for implementing the Paris Agreement ⁷ (Events/technical meetings/forums)	To discuss how a national Government can implement the Paris Agreement by creating a national adaptation programme that considers various actions to mitigate and adapt to climate change, and the associated assessments of the levels of GHG emissions, climate risks, vulnerabilities and impacts, including consideration of capacity-building needs to foster long-term capacity development	At the invitation of the LEG, the PCCB collaborated with the LEG and WRI to jointly deliver the event. The PCCB presented three resources that support country-owned, sustainable capacity-building efforts towards implementing the Paris Agreement
2023 Durban Forum Deep Dive: PCCB follow-up webinar to the 12 th Durban Forum on capacity-building ⁸ (Web-based seminars/tools/courses)	<p>To ensure effective cross-fertilization of ideas between discussions at the Durban Forum and the work of the PCCB related to its annual focus area and to address some of the topics and outcomes of the 12th Durban Forum in detail</p> <p>The Durban Forum Deep Dive webinar was organized to shed light on the role of capacity-building in:</p> <p>(a) Understanding the synergies between disaster risk reduction and climate change adaptation</p> <p>(b) Enhancing knowledge of climate vulnerability in order to identify risk reduction opportunities at the national, regional and local level to advance the NAP process</p>	The webinar enabled viewers to enhance their understanding of the synergies between disaster risk reduction and climate change adaptation and of the importance of community engagement and capacity-building. On-the-ground best practices and lessons learned were shared. In total, 39 people registered for the event and 35 attended

Activity	Objective(s)	Quantitative/qualitative outcome(s)
Regional thematic dialogues on building capacities for NAP implementation strategies at the 2023 regional climate weeks for Africa, ^h MENA, ⁱ Latin America and the Caribbean ^j and Asia and the Pacific ^k (Events/technical meetings/forums)	<p>(c) Harnessing community engagement (anticipation, preparation, decision-making and recovery) and preserving local knowledge</p> <p>(d) Understanding how stakeholders and actors should connect to, engage in and collaborate with disaster risk reduction counterparts to benefit from existing experience and enhance capacities</p> <p>To harness the unique opportunity presented by the regional climate weeks to enhance the visibility and significance of capacity-building for NAPs. The overall aims of the dialogues were to:</p> <p>(a) Identify region-specific capacity gaps and capacity-building needs related to the development of effective NAP implementation strategies as well as practical solutions to bridge these gaps</p> <p>(b) Showcase regional case studies and good practices from countries that have or are in the process of developing NAP implementation strategies, while also presenting relevant tools for developing NAP implementation strategies</p> <p>(c) Explore the potential and role of regional collaboration in strengthening capacities for enhancing the development of NAP implementation strategies and achieving greater impact in NAP implementation</p> <p>(d) Engage financial institutions, development partners, policymakers, and private sector and civil society stakeholders in exploring opportunities for designing and updating MEL approaches that can effectively support NAP implementation</p>	<p>Participants enhanced their knowledge of the role of capacity-building in developing NAP implementation strategies. There were 14 participants at the dialogue held during Africa Climate Week, 25 at MENA Climate Week, 10 at Latin America and the Caribbean Climate Week and 25 at Asia-Pacific Climate Week</p> <p>Members of the PCCB Network and experts from the Africa region shared experience, knowledge and best practices regarding how to enhance the capacities of countries in the region to develop and apply effective NAP implementation strategies that include a strong focus on MEL in order to significantly increase the impact and sustainability of NAPs</p>
Preparation of a synthesis of submissions on the 2023 PCCB focus area ^l (Tools/handbooks)	<p>(a) To contribute to a better understanding of existing and emerging capacity gaps and capacity-building needs and to provide information on challenges, case studies, good practices, tools and lessons learned with regard to capacity-building support for adaptation, especially as they relate to addressing the gaps and needs of developing countries in formulating and implementing their NAPs</p> <p>(b) To directly engage the AC, the LEG and other relevant bodies and entities in the work of the PCCB</p>	<p>In total, 31 submissions were received from various stakeholders – both Party and non-Party stakeholders and entities operating at the local to the global level. The synthesis report, published in May 2023, outlines capacity gaps and capacity-building needs across 13 areas, such as access to financial support and MEL; explores how to improve existing capacity-building efforts in the identified areas and the need for new and additional capacity-building efforts at the subnational, national and regional level; and provides a selection of</p>

Activity	Objective(s)	Quantitative/qualitative outcome(s)
	with a view to effectively building on their previous relevant efforts and informing and contributing to their ongoing and future work in this area	case studies, good practices, tools and other relevant resources The findings from the synthesis report informed the design of the Durban Forum Deep Dive (PCCB follow-up webinar to the 12 th Durban Forum on capacity-building) held in November 2023
Preparation of a synthesis of submissions on experience, best practices and lessons learned related to improving coherence and coordination of capacity-building efforts ^m (Tools/handbooks)	(a) To gather information on capacity-building-related coherence and coordination efforts of bodies and under processes outside the Convention and the Paris Agreement (b) To share concrete examples, good practices and lessons learned on coherence and coordination of capacity-building efforts (c) To provide a knowledge base for further work of the PCCB related to enhancing the coherence and coordination of capacity-building efforts under the Convention and the Paris Agreement	In total, five submissions were received from various stakeholders – both Party and non-Party stakeholders and entities operating at the local to the global level. The synthesis report, published in January 2023, presents good practices relating to coherence and coordination of capacity-building at different levels; highlights the gaps in and requirements for effective coherence and coordination; and proposes actions to be taken by capacity-building recipients and providers to enhance the coherence and coordination of capacity-building. The findings from the synthesis report informed the recommendations of the PCCB to the COP and the CMA on how to improve the coherence and coordination of capacity-building and avoid duplication of effort
Session on fostering country ownership through South–South capacity-building at the 5 th Capacity-building Hub ⁿ (Events/technical meetings/forums)	(a) To build on the findings of the PCCB technical paper on enhancing the ownership of developing countries of building and maintaining capacity for climate action related to South–South cooperation as an effective modality for capacity-building for climate action that fosters country ownership ^o (b) To gather, explore and discuss examples, good practices and challenges related to fostering country ownership through South–South capacity-building	The session, held in collaboration with Mediators Beyond Borders International, fostered, through a participatory open space design approach, collaborative learning, allowing individuals to share experience, best practices and challenges related to promoting country ownership through South–South capacity-building
5 th Capacity-building Hub ^p (Events/technical meetings/forums)	(a) To facilitate the exchange of experience, knowledge, success stories and lessons learned with regard to how best to support capacity-building in developing countries (b) To present tools and methodologies for capacity-building	Approximately 6,000 in-person and remote participants enhanced their understanding and knowledge of various topics related to climate-related capacity-building at the Capacity-building Hub held at COP 28 In total, 57 events were organized by 131 partners. The PCCB collaborated closely with OECD, UNU-EHS, ICLEI – Local Governments for Sustainability, onepoint5, Climate Policy Initiative, Impulsouth,

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
	(c) To enhance collaboration and partnerships among capacity-building stakeholders under and outside the Convention and the Paris Agreement	OHCHR and the Center for International Environmental Law as the lead partners of the Hub's thematic days. A total of 11 capacity-building resources from the Hub, including tools and methodologies, were shared on the capacity-building portal.
Publication of the translations of a technical paper on enhancing the ownership of developing countries of building and maintaining capacity for climate action ^q (Tools/handbooks)	(a) To present experience, good practices and lessons learned with regard to enhancing country ownership of building and maintaining capacity (b) To identify challenges to enhancing the ownership of developing countries of building and maintaining capacity and provide recommendations on how to address these challenges by building on identified experience, good practices and lessons learned	The technical paper was translated into Arabic, French and Spanish with the support of PCCB Network members Impulsouth, Climate Change Africa Opportunities and the Center for Environment and Development for the Arab Region and Europe. The translations improve the accessibility and usability of the document
Session on enhancing coherence and coordination of capacity-building efforts at the 5 th Capacity-building Hub ^r (Events/technical meetings/forums)	(a) To launch six e-booklets featuring capacity-building resources focused on major climate action areas produced by bodies, entities and processes represented in the ICG (b) To share findings from coherence and coordination efforts pertaining to capacity-building undertaken outside the UNFCCC process (c) To provide space for the sharing and gathering of views and perspectives of capacity-building stakeholders on the issue of the coherence and coordination of climate-related capacity-building	The session showcased ongoing efforts as part of the UNFCCC process to enhance coherence and coordination in capacity-building through the ICG and provided a collaborative space for UNFCCC bodies, entities and processes represented in the ICG to share information and coordinate climate change related capacity-building initiatives. Six e-booklets on capacity-building resources were launched. The session, delivered in collaboration with OECD, underscored the importance of collaboration between the PCCB and entities outside the Convention, which is facilitated through the PCCB Network, in fostering widespread coherence and coordination in capacity-building endeavours
Session on the outcomes of the regional thematic dialogue series at the 5 th Capacity-building Hub ^s (Events/technical meetings/forums)	(a) To present the outcomes of the four regional thematic dialogues (b) To present, in an interactive group discussion setting, case studies and best practices showcasing how countries have built their capacities to develop and apply effective NAP implementation strategies (c) To provide members of the PCCB Network with a platform to engage and collaborate with one another on a regional and thematic basis and share their experience and best practices related to climate change capacity-building	Participants learned how to enhance their capacities to develop and apply effective NAP implementation strategies. The event comprised discussions with practitioners and experts from the four regions – Africa, MENA, Latin America and the Caribbean, and Asia and the Pacific – who showcased best practices on NAP implementation, specifically those with a strong focus on MEL, in order to significantly increase the impact and sustainability of NAPs. The session on the outcomes of the dialogues had 15 in-person participants

Activity	Objective(s)	Quantitative/qualitative outcome(s)
Maintaining the PCCB Network' (Events/technical meetings/forums)	<p>(d) To wrap up the PCCB regional thematic dialogues on building capacities for NAP implementation strategies at the 2023 regional climate week</p> <p>To foster synergies and enhance coherence and coordination in capacity-building efforts for climate action</p> <p>In addition to communication, outreach, engagement and networking, the PCCB Network focuses on enhancing the climate-related capacities of various stakeholders, including through technical exchanges, webinars, workshops and peer-to-peer learning</p>	<p>As at 31 December 2023, 395 members from 99 countries had joined the PCCB Network. Members were able to collaborate on activities, develop new partnerships, share experience, good practices and tools, and increase their climate-related knowledge and capacity through a number of activities, including the annual meeting of the Network, member-led technical and peer-to-peer exchanges, a podcast series and a storytelling project. Nearly 20 capacity-building resources of members of the Network were shared on the capacity-building portal</p>

^a Available at <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/paris-committee-on-capacity-building-pccb/areas-of-work/capacity-building-portal/pccb-toolkit-to-assess-capacity-gaps-and-needs-to-implement-the-paris-agreement>.

^b See <https://unfccc.int/PCCB-ICG>.

^c Available at <https://unfccc.int/documents/628384>.

^d Available at <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/pccb-informal-coordination-group/capacity-building-resource-e-booklets>.

^e See <https://unccelearn.org/course/view.php?id=136&page=overview>.

^f See <https://napexpo.org/2023/sessions/3-4-1-creating-national-adaptation-programme/>.

^g See <https://unfccc.int/event/2023-durban-forum-deep-dive-pccb-follow-up-webinar-to-the-12th-durban-forum-on-capacity-building>.

^h See <https://unfccc.int/event/building-capacities-for-nap-implementation-strategies>.

ⁱ See <https://unfccc.int/event/pccb-regional-thematic-dialogue-at-mena-climate-week-2023>.

^j See <https://unfccc.int/event/pccb-regional-thematic-dialogue-at-lac-climate-week-2023>.

^k See <https://unfccc.int/event/pccb-regional-thematic-dialogue-at-asia-pacific-climate-week-2023>.

^l Available at <https://unfccc.int/documents/628026>.

^m Available at <https://unfccc.int/documents/625388>.

ⁿ See <https://unfccc.int/event/fostering-country-ownership-through-south-south-capacity-building>.

^o PCCB. 2023. *PCCB Technical Paper Enhancing the ownership of developing countries of building and maintaining capacity for climate action*. Bonn: UNFCCC. Available at <https://unfccc.int/sites/default/files/resource/PCCB%20technical%20paper%20on%20Ownership%20.pdf>.

^p See <https://unfccc.int/5CBHub>.

^q Available at <https://unfccc.int/documents/631135>.

^r See <https://unfccc.int/event/enhancing-coherence-and-coordination-of-capacity-building-efforts>.

^s See <https://unfccc.int/event/building-capacities-for-nap-implementation-strategies-regional-climate-weeks-outcomes>.

^t See <https://unfccc.int/pccb-network>.

Table 8
Capacity-building activities undertaken in 2023 by the Standing Committee on Finance

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
SCF Forum on financing just transitions ^a (Events/technical meetings/forums)	<p>(a) To convene a wide range of stakeholders to discuss topics related to climate finance and to promote linkages and coherence in the mobilization and delivery of climate finance</p> <p>(b) To facilitate discussions on financing transition pathways that aim to catalyse the achievement of the goals of the Paris Agreement, in the context of the Sustainable Development Goals</p>	<p>The Forum was held on 17 and 18 July 2023 in Bangkok, Thailand. More than 130 participants attended the Forum in person and another 60 participants participated virtually, representing the SCF, governments, United Nations agencies and other international organizations, multilateral climate funds, bilateral agencies, the private sector, academia, think tanks, civil society organizations working on nature-based solutions and Indigenous Peoples</p> <p>Many Forum participants raised the issue of capacity-building as a crucial element of financing just transitions. The importance of capacity-building and ways to empower people subject to transitions, including the workforce, the private sector and people in vulnerable situations, such as women and youth, was highlighted throughout the Forum</p>
Publication of the report on the doubling of adaptation finance ^b (Tools/handbooks)	To prepare a report on the doubling of adaptation finance in line with decision 1/CMA.3, paragraph 18; that is, the paragraph of the Glasgow Climate Pact in which developed country Parties were urged to at least double their collective provision of climate finance for adaptation to developing country Parties from 2019 levels by 2025, in the context of achieving a balance between mitigation and adaptation in the provision of scaled-up financial resources, recalling Article 9, paragraph 4, of the Paris Agreement	<p>The report, the executive summary of which is contained in the 2024 annual report of the SCF, was considered by CMA 5</p> <p>The report highlights insights gained from analysing information reported by developed and developing countries on adaptation finance provided and received. These insights include the following: lack of capacity and capacity constraints in developing countries in relation to identifying needs and tracking impacts is particularly acute for adaptation finance; country ownership of adaptation measures and activities, and efforts to create the absorptive capacity for adaptation finance through planning and implementation, can ensure the effectiveness of adaptation finance; and continued efforts to support developing country Parties in building and maintaining data management capacity at the national level in order to track climate finance received, including adaptation finance, are important</p>

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Publication of the report on clustering types of climate finance definitions in use ^c (Tools/handbooks)	To prepare a report, building on the work of the SCF on definitions of climate finance, on clustering types of climate finance definitions in use that could be considered within the UNFCCC process, including with a view to updating the operational definition of climate finance of the SCF, as appropriate, and supporting Parties in their national reporting efforts	The report, the executive summary of which is contained in the 2024 annual report of the SCF, was considered by COP 28 The report serves as a guidebook, outlining 12 decision points for countries to apply in developing and applying a climate finance definition. It contains specific use cases and examples of how each decision point can be considered by Parties in their reporting as part of the UNFCCC process. It is also appropriate for external stakeholders that develop reports on climate finance
Publication of the synthesis of views regarding ways to achieve Article 2, paragraph 1(c), of the Paris Agreement ^d and a follow-up webinar (Tools/handbooks) (Web-based seminars/tools/courses)	To synthesize information submitted by Parties and non-Party stakeholders in response to the calls for submission of views regarding ways to achieve Article 2, paragraph 1(c), of the Paris Agreement, including options for approaches and guidelines for implementation	The report is contained in the 2024 annual report of the SCF and was considered by CMA 5 The report outlines the scope of activities and actors that could be considered as relevant to implementation of Article 2, paragraph 1(c), of the Paris Agreement and emphasizes the importance of capacity-building and readiness support for public and private actors in understanding and implementing Article 2, paragraph 1(c) The SCF held a webinar to disseminate the findings from the report and exchange views with relevant stakeholders, in particular experts from ministries of finance and international financial institutions

^a See <https://unfccc.int/event/2023-forum-of-the-standing-committee-on-finance-financing-just-transitions>.

^b For the executive summary, see document FCCC/CP/2023/2/Add.1-FCCC/PA/CMA/2023/8/Add.1.

^c For the executive summary, see document FCCC/CP/2023/2/Add.2-FCCC/PA/CMA/2023/8/Add.2.

^d FCCC/CP/2023/2/Add.3-FCCC/PA/CMA/2023/8/Add.3.

Table 9
Capacity-building activities undertaken in 2023 by the Technology Executive Committee

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Publication of a summary for policymakers on the good practices and lessons learned in the set-up and implementation of NSI, ^a with translations into Arabic, French and Spanish (Tools/handbooks)	(a) To assist policymakers in developing countries who are seeking to strengthen their NSI in the context of climate action (b) To deepen the understanding of selected parts of NSI and identify measures and approaches that have improved the effectiveness of the NSI in specific cases	Since the launch of the NSI page on TT:CLEAR in May 2023, the publication has been accessed 1,464 times as at March 2024 The publication provides information on approaches to analysing parts of NSI; lessons learned and good practices identified through case studies; and conclusions and recommendations for Parties

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Case study on bioethanol in Brazil (for the compilation of good practices and lessons learned in the set-up and implementation of NSI) ^b (Tools/handbooks)	To show the importance of adapting technology innovation policies and strategies over time	The case study shares information on the Brazilian NSI: actors, institutions, drivers, gaps, key success factors, lessons learned and good practices for potential replication
Case study on wind energy in Denmark (for the compilation of good practices and lessons learned in the set-up and implementation of NSI) ^c (Tools/handbooks)	To identify specific activities or functions that should be carried out to facilitate the innovation process To evaluate the extent to which an innovation system can perform the functions that are necessary to identify and assess the system's achievements, failures, gaps and barriers	The case study summarizes the two main channels for the development of the wind energy sector in Denmark: top-down government policy support and bottom-up grass-roots experimentation. It includes an assessment of how the combination of these two channels has contributed to the formation of one of the world's leading wind energy innovation systems, while identifying success factors and lessons learned for potential replication
Case study on disaster risk reduction in Haiti (for the compilation of good practices and lessons learned in the set-up and implementation of NSI) ^d (Tools/handbooks)	To evaluate the extent to which an innovation system can perform the functions that are necessary to identify and assess the system's achievements, failures, gaps and barriers	The case study shares information on the Haitian NSI: the actors, institutions, drivers, gaps, key success factors, lessons learned and good practices for potential replication
Case study on the Bureau of Energy Efficiency in India (for the compilation of good practices and lessons learned in the set-up and implementation of NSI) ^e (Tools/handbooks)	To evaluate the extent to which an innovation system can perform the functions that are necessary to identify and assess the system's achievements, failures, gaps and barriers	The case study shares information on the Indian NSI: the actors, institutions, drivers, gaps, key success factors, lessons learned and good practices for potential replication
Case study on urban flood management in Jakarta (for the compilation of good practices and lessons learned in the set-up and implementation of NSI) ^f (Tools/handbooks)	To evaluate the extent to which an innovation system can perform the functions that are necessary to identify and assess the system's achievements, failures, gaps and barriers	The case study shares information on Indonesia's NSI: the actors, institutions, drivers, gaps, key success factors, lessons learned and good practices for potential replication
Case study on the Kenya Climate Innovation Center (for the compilation of good practices and lessons learned in the set-up and implementation of NSI) ^g (Tools/handbooks)	To evaluate the extent to which an innovation system can perform the functions that are necessary to identify and assess the system's achievements, failures, gaps and barriers	The case study shares information on the Kenyan NSI: the actors, institutions, drivers, gaps, key success factors, lessons learned and good practices for potential replication
Publication on stimulating the uptake of technologies in support of NDC implementation ^h (Tools/handbooks)	To highlight the role of technology in NDCs, with a focus on technology needs, challenges, and linkages between policy and implementation and between NDCs and NAPs	Since the launch of the publication page on TT:CLEAR in June 2023, the publication has been accessed 844 times as at March 2024 The publication showcases 12 success stories on the uptake of technologies in support of NDC implementation across different geographical regions and country contexts. It also offers specific recommendations on stimulating the uptake of climate

Activity	Objective(s)	Quantitative/qualitative outcome(s)
Publication of the <i>Climate Technology Progress Report 2023</i> ⁱ (Tools/handbooks)	To share analyses of the technologies and case studies and to explore progress of urban transitions in Asia	technologies for developed countries and developing countries, financial institutions, multilateral and bilateral development organizations, civil society, academia, businesses and philanthropists The publication shares an analysis of climate-related technology, innovation and supporting infrastructure; institutional settings and governance; and policy and regulatory frameworks
Side event at COP 28 on accelerating NDC implementation and addressing global stocktake outcomes through TNAs ^j (Events/technical meetings/forums)	To discuss the linkages between NDCs, TNAs and the global stocktake	The event brought together United Nations agencies, the operating entities of the Financial Mechanism and countries to discuss the linkages between NDCs and TNAs and how TNAs can be integrated into NDCs, and their implementation process, in order to enhance access to climate technologies by developing countries
Side event at SB 58 on assessing technology needs in discussion with financial actors ^k (Events/technical meetings/forums)	(a) To raise awareness of TNA results, including TAPs (b) To facilitate discussion among TNA stakeholders and financial actors	A total of 80 participants attended the event in person and 130 online viewers accessed the event through a livestream. The event provided an opportunity for participants to share best practices and success stories in financing and implementing TNAs and TAPs and to identify challenges and opportunities for technology development and transfer in the context of the Paris Agreement. The event also contributed to building capacity to implement TNAs and TAPs
Event at Asia-Pacific Climate Week on developing and strengthening NSI to drive climate action ^l (Events/technical meetings/forums)	To present a summary for policymakers produced by the TEC on the set-up and implementation of NSI, to highlight insights, good practices and lessons learned from the Asia-Pacific region, and to foster discussion with a broad range of stakeholders	Discussion focused on the set-up and implementation of NSI
Event at Africa Climate Week on developing and strengthening NSI to drive climate action ^m (Events/technical meetings/forums)	To present a summary for policymakers produced by the TEC on the set-up and implementation of NSI, to highlight insights, good practices and lessons learned from the Africa region, and to foster discussion with a broad range of stakeholders	Discussion focused on the set-up and implementation of NSI
Event at Asia-Pacific Climate Week on exploring the use of AI for climate action in Asia and the Pacific ⁿ (Events/technical meetings/forums)	To provide a space for diverse stakeholders to discuss opportunities and challenges relating to the use of AI for addressing climate change in developing countries, and to showcase examples of how AI is already being used	Discussion focused on opportunities and challenges relating to the use of AI for addressing climate change in developing countries. Examples of how AI is already being used for climate change adaptation and mitigation in the region were shared

Activity	Objective(s)	Quantitative/qualitative outcome(s)
	for climate change adaptation and mitigation in the Asia-Pacific region	
Event at Africa Climate Week on exploring the use of AI for climate action in Africa ^o (Events/technical meetings/forums)	To provide a space for diverse stakeholders to discuss opportunities and challenges relating to the use of AI for addressing climate change in developing countries, and to showcase examples of how AI is already being used for climate change adaptation and mitigation in the Africa region	Discussion focused on opportunities and challenges relating to the use of AI for addressing climate change in developing countries. Examples of how AI is already being used for climate change adaptation and mitigation in the region were shared
Event at the Global Sustainable Technology and Innovation Community conference 2023 on emerging and transformational adaptation technologies ^p (Events/technical meetings/forums)	To provide an engaging space for the exchange of information and views among various stakeholders (research and academic communities, practitioners, the private sector, funding institutions, United Nations entities, and youth, women, local communities and other vulnerable groups) on: (a) Emerging and transformative technologies for multi-hazard early warning systems (b) Challenges, opportunities and good practices related to the deployment of technologies for early warning systems (c) Ensuring people-centred and inclusive approaches in deploying technologies for early warning systems, leaving no one behind	Participants included experts, practitioners and representatives of national and local governments, international organizations and intergovernmental processes, the private sector and youth networks. They shared their insights and experience relating to emerging and transformational technologies for early warning systems and opportunities and challenges for deploying such technologies

^a TEC and UNFCCC. 2023. *Good practices and lessons learned on the setup and implementation of National Systems of Innovation. Summary for Policymakers*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/TEC_NSI/3e8c08a7f0ec48d8a721e4eac75555c/440b5254a3324b2b8f939330a2a6e0f5.pdf.

^b TEC. 2023. *Bioethanol activities in Brazil: Case study. Good practices and lessons learned on the setup and implementation of National Systems of Innovation*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/TEC_NSI/62e32bf0e1e8453380745fd3352ef753/2acb91947c6748daaac12a7a2d086ec6.pdf.

^c TEC. 2023. *Wind Energy in Denmark: Case study: Good practices and lessons learned on the setup and implementation of National Systems of Innovation*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/TEC_NSI/63eb6ced5b1e43429a6eccdef95ff61e/85bd141304c5486fb7f2ef71f8d2d45f.pdf.

^d TEC. 2023. *Disaster risk reduction in Haiti: Case study. Good practices and lessons learned on the setup and implementation of National Systems of Innovation*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/TEC_NSI/7fe85d474c964de893e62da77926a738/d198abc4edb249128c1b15ad81e371f0.pdf.

^e TEC. 2023. *Bureau of energy efficiency, India Case study*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/TEC_NSI/9a7a705dd8824587b9ffb2731f1fd53/723a50bd0329471ebae45eb33f1aa84e.pdf.

^f TEC. 2023. *Urban flood management in Jakarta: Case study*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/TEC_NSI/b37e396ecf0b42879e913c50c75883e9/46cd95e108ae48cea7196244d2721393.pdf.

^g TEC. 2023. *Kenya climate innovation center*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/TEC_NSI/37cd8b96633a4ef2b6b0d10c21f06dec/86c19182d6b4408ab8900222c8bda673.pdf.

^h TEC and CTCN. 2023. *Technology and Nationally Determined Contributions. Stimulating the Uptake of Technologies in Support of Nationally Determined Contribution Implementation*. Bonn: UNFCCC. Available at https://unfccc.int/tclear/misc_/StaticFiles/gnwoerk_static/techandndc/4801dcaef1a74c5ca27f33360a6bd9d1/0aa460d277b54863a9fdbd51bf36aca5.pdf.

ⁱ Traerup S, de Coninck H, Sagar A, et al. 2023. *The Climate Technology Progress Report 2023*. Bonn: UNFCCC, UNEP. Available at https://unfccc.int/ttclear/misc_/StaticFiles/gnwoerk_static/TEC_tab_1_archive/2de6396f99394f22b08671ee85e11edc/1a08b7bfc55d45469ddd0d38e8708eb3.pdf.

^j See <https://unfccc.int/event/accelerating-ndc-implementation-and-addressing-global-stocktake-outcomes-through-tnas>.

^k See https://unfccc.int/ttclear/events/2023/2023_event04.

^l See https://unfccc.int/ttclear/events/2023/2023_event08.

^m See <https://unfccc.int/event/developing-and-strengthening-national-systems-of-innovation-to-drive-climate-action-0>.

ⁿ See https://unfccc.int/ttclear/events/2023/2023_event09.

^o See https://unfccc.int/ttclear/events/2023/2023_event07.

^p See <https://unfccc.int/event/emerging-and-transformational-adaptation-technologies-deep-dive-into-early-warning-systems-tec>.

Table 10
Capacity-building activities undertaken in 2023 by the Climate Technology Centre and Network

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
2023 Asia and the Pacific NDE Forum (Events/technical meetings/forums)	To increase the knowledge of NDEs related to the latest global climate projects supported by the Technology Mechanism	Participation of 18 NDEs, 4 CTCN Advisory Board members, 4 implementing partners, 8 representatives of UNEP, the AF and UNESCAP
2023 Latin America and the Caribbean NDE Forum (Events/technical meetings/forums)	To increase the knowledge of NDEs related to the latest global climate projects supported by the Technology Mechanism and to support discussion before COP 28	Participation of 24 NDEs, 1 CTCN Advisory Board member, 1 TEC member, 4 implementing partners, the GCF, the AF, the Inter-American Development Bank, the NDC Partnership and UNEP
2023 Africa NDE Forum (Events/technical meetings/forums)	To increase the knowledge of NDEs related to the latest global climate projects supported by the Technology Mechanism and to support discussion before COP 28	Participation of 45 NDEs, 4 CTCN Advisory Board members, 4 implementing partners, 2 TEC members, the GCF, UNEP, and youth and women's organizations
Bridge-building event on network engagement for research, development and demonstration (Events/technical meetings/forums)	To facilitate NDE-led research, development and demonstration collaboration on climate technology with Network members	Participation of 16 countries and 31 Network members with climate technology solutions
Event at the GCF Regional Programming Dialogue with Asia and the Pacific on structured dialogue between focal points of various climate initiatives at the national level ^a (Events/technical meetings/forums)	To increase the coherence of national climate strategies by facilitating dialogue between NDEs and national designated authorities (national focal points for the GCF)	Participation of four NDEs, three representatives of the GCF secretariat and three Direct Access Entities
2023 annual climate finance readiness seminar for accredited national implementing entities of the AF (Events/technical meetings/forums)	To facilitate collaboration among key stakeholders	Participation of AF national implementing entities and CTCN implementing partners
Event at the Adaptation Futures 2023 conference on AF Innovation Days (Events/technical meetings/forums)	To co-organize and hold an event at the Adaptation Futures 2023 conference sharing the best available science for, new knowledge on and best practices in adaptation technology	The panel included AFCIA grantees, UNDP AFCIA representatives, UNEP–CTCN AFCIA representatives and the AF

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Capacity-building workshop for NDEs in Africa on green hydrogen (Training/workshops)	To increase the knowledge of NDEs on green hydrogen technology and its enabling environment	The event was organized by the CTCN in partnership with the West African Development Bank Participation of 17 NDEs, 8 knowledge partners and 3 implementing partners
Capacity-building workshop for NDEs in Latin America and the Caribbean on green hydrogen (Training/workshops)	To increase the knowledge of NDEs on green hydrogen technology and its enabling environment	The event was co-organized with UNECLAC and with the support of the Chilean Agency for Sustainability and Climate Change Participation of 9 NDEs, 20 participants from various ministries and 12 knowledge partners
Capacity-building workshop for NDEs in Asia and the Pacific on green hydrogen (Training/workshops)	To increase the knowledge of NDEs on green hydrogen technology and its enabling environment	The event was co-organized with the Green Energy Institute Participation of 16 NDEs, 11 knowledge partners and 4 implementing partners
Publication of a knowledge brief on green hydrogen projects ^b (Tools/handbooks)	To increase the knowledge of NDEs on green hydrogen technology and project design	The knowledge brief was made available online for stakeholders
Publication of a knowledge product on harnessing technology in the circular economy for climate action in Africa ^c (Tools/handbooks)	To increase stakeholder knowledge of climate technologies for the circular economy	The knowledge product was made available online for stakeholders
Publication of the <i>Climate Technology Progress Report 2023</i> ^d (Tools/handbooks)	To share the activities and outputs of the CTCN	The report, produced in collaboration with UNEP Copenhagen Climate Centre and the UNFCCC secretariat, was aimed at providing more clarity on what leads to successful development and transfer of technology and on the gaps and enablers in amplifying climate action
Webinar on collaborative research, development and demonstration for the water–energy–food nexus in Africa ^e (Web-based seminars/tools/courses)	To foster collaborative research, development and demonstration on climate technologies at the regional level	The webinar featured speakers from FAO, the Science and Technology Policy Institute and OneWorld Sustainable Investments – South Africa. A blog post capturing the outcomes of the webinar was published
Webinar on collaborative research, development and demonstration for nature-based solutions for buildings and resilient infrastructure in Latin America and the Caribbean ^f (Web-based seminars/tools/courses)	To foster collaborative research, development and demonstration on climate technologies at the regional level	The webinar featured speakers from Trinidad and Tobago, IICA, the Tropical Agronomic Research and Teaching Center and the Korea Environment Institute. A blog post capturing the outcomes of the webinar was published

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Webinar on collaborative research, development and demonstration for energy systems transformation in Africa ^g (Web-based seminars/tools/courses)	To foster collaborative research, development and demonstration on climate technologies at the regional level	The webinar featured speakers from the International Energy Agency, the National Renewable Energy Laboratory (United States of America) and the University of Mauritius
Webinar on collaborative research, development and demonstration for business and industry in MENA ^h (Web-based seminars/tools/courses)	To foster collaborative research, development and demonstration on climate technologies at the regional level	The webinar featured speakers from the Global Cement and Concrete Association, Expo Live Dubai and Global Digital Innovation Network. A blog post capturing the outcomes of the webinar was published
Webinar on collaborative research, development and demonstration for sustainable mobility in Asia and the Pacific ⁱ (Web-based seminars/tools/courses)	To foster collaborative research, development and demonstration on climate technologies at the regional level	The webinar featured speakers from the UNEP Copenhagen Climate Centre, the Korea National University of Transportation and 7Gen
Online training of junior climate experts on technology transfer in developing countries (Web-based seminars/tools/courses)	To increase the knowledge of national climate officials on technology mechanisms and the global technology transfer regime	A total of 334 technology experts from developing countries participated in the online training

^a See <https://www.ctc-n.org/news/climate-technology-and-climate-finance-stronger-together>.

^b UNEP, CTCN, and Green Energy Institute. 2023. *Green Hydrogen Technologies for Systems Transformation: Building a compilation of national strategies, plans and projects*. UNEP, CTCN and Green Energy Institute. Available at https://www.ctc-n.org/sites/default/files/resources/H2_System_transformation.pdf.

^c Kivati G, Mwangi C, Mwangi G, et al. 2023. *Harnessing Technology in the Circular Economy for Climate Action in Africa*. Nairobi: United Nations Environment Programme; Climate Technology Centre and Network. Available at https://www.ctc-n.org/sites/default/files/CTCN_Circular_Economy_Africa_Fin.pdf.

^d Traerup S, de Coninck H, Sagar A, et al. 2023. *2023 Climate Technology Progress Report*. Bonn: UNFCCC, UNEP. Available at https://unfccc.int/tclear/misc/_StaticFiles/gnwoerk_static/TEC_tab_1_archive/2de6396f99394f22b08671ee85e11edc/1a08b7bfc55d45469ddd0d38e8708eb3.pdf.

^e For more information, see <https://www.ctc-n.org/news/water-energy-food-nexus-africa-path-sustainable-development>. The recording of the webinar is available at https://www.youtube.com/watch?v=_YnMF-bmmQ.

^f For more information, see <https://www.ctc-n.org/news/nature-based-solutions-nbs-and-research-development-and-demonstration-rdd-nexus-latin-america>. The recording of the webinar is available at <https://www.youtube.com/watch?v=H9vPbOLxJSk>.

^g The recording of the webinar is available at https://www.youtube.com/watch?v=zIxIb_SN71M.

^h For more information, see <https://www.ctc-n.org/news/concrete-commitment-unlocking-net-zero-future-role-rdd-business-and-industry>. The recording of the webinar is available at <https://www.youtube.com/watch?v=x4q3981y6p0>.

ⁱ The recording of the webinar is available at <https://www.youtube.com/watch?v=074sOXJTfNo>.

Table 11

Capacity-building activities undertaken in 2023 by the Executive Committee of the Warsaw International Mechanism

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
High-level event and photography exhibition at COP 28 on loss and damage, focusing on 10 years of the WIM ^a (Events/technical meetings/forums)	To showcase progress in institutionalizing efforts aimed at averting, minimizing and addressing loss and damage with a view to furthering opportunities for catalysing relevant knowledge, strengthening coordination and synergies, and enhancing action and support	A visual storytelling of approaches, scalable solutions and good practices to manage the impacts of climate change that result in loss or damage to individuals, society and the environment was shared. More than 60

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Second Glasgow dialogue ^b (Events/technical meetings/forums)	To facilitate discussion on funding arrangements for activities concerning loss and damage and on good practices, challenges and lessons learned from existing finance arrangements to better understand and analyse how support is and can be responsive to the implementation of approaches to avert, minimize and address loss and damage in developing countries	images are available at the online gallery, and 20 images were showcased at the exhibition at COP 28 The dialogue was held from 8 to 10 June 2023 (during SB 58) and was open to all participants of SB 58, including governments, United Nations agencies and other international organizations, multilateral climate funds, bilateral agencies, the private sector, academia, think tanks, and civil society organizations working on adaptation, risk management, disaster risk reduction, humanitarian affairs and development
Publication of the WIM Explainer ^c (Tools/handbooks)	To inform a broad range of stakeholders of the functions of the WIM and available resources thereof	Stakeholders were provided with a comprehensive overview of loss and damage and the WIM
Issuance of the first WIM Executive Committee newsletter ^d (Tools/handbooks)	To inform a broad range of stakeholders of the expertise and resources catalysed under the WIM Executive Committee and the available technical and knowledge products produced by its five thematic expert groups	Stakeholders were updated on recent developments under the WIM. The newsletter was shared with Parties and non-Party stakeholders by email and distributed via social media
Maintenance of the Fiji Clearing House for Risk Transfer ^e (Web-based seminars/tools/courses)	To enhance countries' understanding of and facilitate their efforts to develop and implement risk transfer solutions in the context of comprehensive risk management strategies	The Fiji Clearing House for Risk Transfer continues to serve as an open repository for information on insurance and risk transfer, including case studies, information on relevant institutions and tutorials
Activities undertaken by the TEG-CRM in implementing its plan of action^f		
Publication of technical guidance on applying climate information to comprehensive risk management (Tools/handbooks)	To assist countries with disaster risk-informed planning and implementation	The guidance serves as supplementary guidance to comprehensive risk management, focusing on the consideration of climate information in disaster risk reduction planning
Online course on synergizing disaster risk reduction and climate change adaptation ^g (Web-based seminars/tools/courses)	To provide thought leadership and highlight the importance of comprehensive disaster and climate risk management in user-friendly terms	The course was co-developed by UNDRR and the United Nations System Staff College, and was launched at SB 58. The self-paced course, available free of cost, can be completed within two hours. As at November 2023, more than 8,500 people had registered for the course
Publication of a report on addressing loss and damage and what can be learned from countries' NAPs ^h (Tools/handbooks)	To provide an analysis of developing countries' NAPs in terms of their consideration of issues related to loss and damage, the implications of this consideration for adaptation measures, and opportunities for further consideration of ways to avert, minimize and address loss and damage	The report showcases the role of the NAP process in minimizing and addressing loss and damage, providing insights into how loss and damage information is presented in relation to adaptation efforts and how priority adaptation actions identified in NAPs have the potential to respond to loss and damage

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Publication of a report on the role of early warning early action in minimizing loss and damage ⁱ (Tools/handbooks)	To provide a humanitarian perspective on climate risk, combining evidence of current and future climate change impacts and a description of available support mechanisms and their limitations, and underlining the importance of and the need for nexus approaches to successful and comprehensive climate risk management and reduction	The report, targeted at loss and damage policymakers and negotiators, outlines how early warning early action can contribute to improving communities' resilience in the face of rising risks
Technical expert forum on tracking hazardous events and disaster loss and damage (Training/workshops)	To inform stakeholders of the development of a hazardous events and loss and damage tracking system to assess the impacts of slow onset events	Members of TEG-CRM (UNDRR, UNDP, WMO) are developing a system for tracking hazardous events and loss and damage. The system builds on the DesInventar system, ^j which has been in existence since 1994 and is currently being used by 110 countries
Activities undertaken by the task force on displacement in implementing its plan of action^k		
Global workshop on mainstreaming human mobility in NAPs (Training/workshops)	To provide operational information for mainstreaming human mobility considerations in adaptation planning instruments, in particular NAPs	The findings from the workshop fed into the development of a technical guide on integrating linkages between human mobility and climate change into relevant national climate change planning processes, such as the process to formulate and implement NAPs
Two events during NAP Expo: one on advancing human mobility in NAPs ^l and one, at the UN4NAPs Forum, on migration and displacement in NAP formulation and implementation ^m (Training/workshops)	To foster knowledge-sharing regarding approaches for integrating human mobility considerations into NAPs with a view to averting, minimizing and addressing displacement associated with climate change impacts	The LDCs and other interested stakeholders were provided with information on approaches for integrating human mobility into NAPs
Online event on youth capacity-building (Events/technical meetings/forums)	To provide a platform for youth for the exchange of knowledge, experience, key priorities and good practices relating to addressing climate-induced displacement and migration ahead of COP 28	The online event, held on 26 October 2023, was organized by the climate change and migration working group of the UNFCCC children and youth constituency and the task force on displacement. Youth participants gained clarity on opportunities for engagement under the UNFCCC process and on activities of the task force and of the WIM Executive Committee as they relate to human mobility

^a See <https://unfccc.int/wim-excom/L-and-D-in-focus>.

^b See <https://unfccc.int/event/gd2>.

^c WIM. *Explainer: The Warsaw International Mechanism for Loss and Damage*. Bonn: UNFCCC. Available at https://unfccc.int/sites/default/files/resource/WIM_Explainer_final.pdf.

^d Available at <https://unfccc.int/process-and-meetings/bodies/constituted-bodies/executive-committee-of-the-warsaw-international-mechanism-for-loss-and-damage-wim-excom/upcoming-key-knowledge-products-2024>.

^e FCCC/SB/2022/2/Add.2, annex I (workplan activity 28).

^f Further information on each of these activities is available at the comprehensive risk management web page of the WIM Executive Committee: <https://unfccc.int/process/bodies/constituted-bodies/WIMExCom/TEG-CRM>.

^g See <https://unfccc.int/process/bodies/constituted-bodies/WIMExCom/TEG-CRM#TEG-CRM-Second-Phase-Other-Resources-Produced-by-Members>.

^h Qi J, Dazé A and Hammil A. 2023. *Addressing Loss and Damage: What can we learn from countries' National Adaptation Plans?* Manitoba, Canada: NAP Global Network. Available at <https://napglobalnetwork.org/wp-content/uploads/2024/01/napgn-en-2023-addressing-loss-damage.pdf>.

ⁱ Bachofen C, Budimir M, Heinrich D, et al. 2023. *The role of early warning early action in minimizing loss and damage*. Flood Resilience Alliance. Available at https://unfccc.int/sites/default/files/resource/early_warning_early_action_for_minimising_loss_and_damage.pdf.

^j See <https://www.desinventar.net/>.

^k These activities were undertaken in the context of the plan of action contained in document FCCC/SB/2022/2/Add.2, annex III.

^l See <https://napexpo.org/2023/sessions/3-2-1-human-mobility-in-naps/>.

^m See <https://unfccc.int/un4naps-forum-at-the-chile-global-adaptation-week-2023>.

Table 12

Capacity-building activities undertaken in 2023 by the Executive Board of the clean development mechanism

<i>Activity^a</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Africa regional DNA Forum, held on 7 September 2023 in Nairobi, Kenya	To provide opportunities for DNA representatives to exchange views, share experience relating to the CDM and bring issues to the attention of the CDM Executive Board, including on the temporary measures under the CDM, the transition of CDM activities to Article 6 activities and capacity-building needs	A total of 73 DNA representatives gained clarity on the temporary measures under the CDM, the transition of CDM activities to the Article 6.4 mechanism and the readiness to implement Article 6 of the Paris Agreement. Regional capacity-building needs were discussed ^b
MENA and South Asia regional DNA Forum, held on 10 October 2023 in Riyadh, Saudi Arabia		
Latin America and the Caribbean regional DNA Forum, held on 26 October 2023 in Panama City, Panama		
Asia and the Pacific regional DNA Forum, held on 16 November 2023 in Johor Bahru, Malaysia (Events/technical meetings/forums)		

^a Activities mandated under support to forums and other stakeholders.

^b For more information on the DNA Forums, see <https://unfccc.int/about-us/regional-collaboration-centres/regional-dialogues-on-carbon-pricing-article-6-training-and-dna-forum>.

Table 13

Capacity-building activities undertaken in 2023 by the Supervisory Body for the mechanism established by Article 6, paragraph 4, of the Paris Agreement

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Activities mandated under support to forums and other stakeholders	To provide learning opportunities for Article 6.4 DNA representatives and to provide carbon market experts with an overview of carbon pricing, international compliance and voluntary carbon markets and a deep dive into the Article 6.4 mechanism and cooperative approaches under Article 6, paragraph 2, of the Paris Agreement	A total of 73 Article 6.4 DNA representatives and carbon market experts participated in these activities ^a

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
<p>Africa carbon pricing dialogue and Article 6 training, held on 4–6 September 2023 in Nairobi, Kenya (Events/technical meetings/forums)</p> <p>MENA and South Asia carbon pricing dialogue and Article 6 training, held on 8–9 October 2023 in Riyadh, Saudi Arabia (Events/technical meetings/forums)</p> <p>Latin America and the Caribbean carbon pricing dialogue and Article 6 training, held on 23–25 October 2023 in Panama City (Events/technical meetings/forums)</p> <p>Asia and the Pacific carbon pricing dialogue and Article 6 training, held on 13–15 November 2023 in Johor Bahru, Malaysia (Events/technical meetings/forums)</p> <p>Webinar series on Article 6 of the Paris Agreement, held on 22, 24 and 29 August 2023^b (Web-based seminars/tools/courses)</p>		
Activities mandated under support to regions	<p>To provide Parties and project developers with support from the RCCs through capacity-building on the CDM transition process, eligibility criteria for activities to be transitioned, policy development, the time period for submitting transition requests, technical support, strategic networking, sourcing know-how, and resources to drive sustainable development and promote the use of certified emission reductions</p>	<p>The capacity-building activities benefited a significant number of stakeholders. The events attracted more than 2,000 participants in total, with an average of 35 per event</p> <p>Outcomes are shared on individual RCC web pages and in RCC newsletters^c</p>
Africa		
<p>COP 27 debrief session for members of the Eastern Africa Alliance on Carbon Markets and Climate Finance, held on 9 May 2023 (Web-based seminars/tools/courses)</p> <p>Eastern Africa carbon market profiles launch, held on 17 March 2023 (Web-based seminars/tools/courses)</p>		

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
<p>Training session on operationalizing Article 6, paragraph 2, of the Paris Agreement, held on 31 May 2023 (Web-based seminars/tools/courses)</p> <p>Workshop on carbon pricing initiatives in Nigeria, held on 4–5 July 2023^d in Abuja, Nigeria (Training/workshops)</p> <p>Blending climate finance and carbon markets for enhancing climate action, held on 6 September 2023 in Nairobi, Kenya (Training/workshops)</p> <p>West Africa Carbon Market Hub training, held on 26–28 September 2023 in Abidjan, Côte d’Ivoire (Training/workshops)</p> <p>Webinar series on Article 6 of the Paris Agreement, held on 22, 24 and 29 August 2023 (Web-based seminars/tools/courses)</p> <p>Technical training of Uganda’s youth on carbon markets and the UNFCCC process, held on 27 October 2023 in Kampala, Uganda (Training/workshops)</p> <p>COP 28 capacity-building workshop for Uganda’s negotiators, held on 30–31 October 2023 in Kampala, Uganda (Training/workshops)</p> <p>National stakeholder consultation meeting on a draft carbon markets regulations, guidelines and training manual, held on 7 November 2023 in Kampala, Uganda (Training/workshops)</p> <p>CDM transition: seizing opportunities under the Article 6.4 Mechanism in Eastern Africa, held on 8 November 2023 (Web-based seminars/tools/courses)</p> <p>CDM transition for Uganda’s project developers, held on 20 November 2023 in Kampala, Uganda (Training/workshops)</p>		
Asia and the Pacific		
Briefing of the United Nations to the Thailand Standing Committee (of the House of Representatives) on Monetary Affairs, Finance, Financial Institutions, and Financial		

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Market, held on 26 January 2023 in Bangkok, Thailand (Training/workshops)		
Youth empowerment in climate action platform training programme, ^e held on 15–17 May 2023 in Bangkok, Thailand (Training/workshops)		
Capacity-building workshop on carbon pricing and Article 6 of the Paris Agreement for Mongolian governmental stakeholders, held on 24–25 May 2023 in Ulaanbaatar, Mongolia (Training/workshops)		
Climate Finance Forum for Central Asia and South Caucasus countries, held on 3–7 July 2023 in Dushanbe, Tajikistan (Training/workshops)		
ASEAN Carbon Pricing Conference – session 3 on Article 6 of the Paris Agreement, held on 24–26 July 2023 in Bali, Indonesia ^f (Training/workshops)		
Thailand Greenhouse Gas Management Organisation corresponding adjustment clinic, held on 19 September 2023 (Web-based seminars/tools/courses)		
Capacity-building workshop on carbon pricing for the Lao People’s Democratic Republic Ministry of Natural Resources and Environment, held on 31 October 2023 in Vang Viang, Lao People’s Democratic Republic ^g (Training/workshops)		
ASEAN Carbon Pricing Conference, held on 6–7 November 2023 in Bangkok, Thailand (Training/workshops)		
Climate finance access and mobilization for the ASEAN region, held on 20–23 March 2023 in Bangkok, Thailand (Training/workshops)		

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
MENA		
Decarbonizing industrial sectors: Accelerating low carbon pathways, held on 22 August 2023 in Mumbai, India (Web-based seminars/tools/courses)		
Workshop on Article 6 of the Paris Agreement and climate finance mechanisms, held on 13–14 September 2023 in Doha, Qatar (Training/workshops)		
Workshop on understanding carbon markets and potential for Pakistan, held on 18 September 2023 in Islamabad, Pakistan (Training/workshops)		
Capacity-building workshop on private sector readiness for Article 6 participation, ^h held on 5 October 2023 in Abu Dhabi, United Arab Emirates (Training/workshops)		
Private sector readiness for Article 6 of the Paris Agreement, held on 22 December 2023 in Rabat, Morocco (Training/workshops)		
Capacity development for Article 6 and CDM transition, held on 29 December 2023 in Thimphu, Bhutan (Training/workshops)		
Latin America and the Caribbean		
Introductory e-course on carbon pricing, released on 23 March 2023 (Web-based seminars/tools/courses)		
Youth kozé on climate action and carbon markets – towards a sustainable future for all, held virtually on 14 March 2023 (Training/workshops)		
Carbon markets and Article 6 in Latin America, held on 29 May 2023 (Web-based seminars/tools/courses)		
Regional Climate Change Platform of Economy and Finance Ministries – session on Article 6 of the Paris Agreement, held from 28 May to 2 June 2023 in Punta		

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
<p>Cana, Dominican Republic (Training/workshops)</p> <p>First Climate Investment Forum in Central America – session on NDCs, ambition and cooperative approaches under Article 6, held on 18–19 May 2023 in Guatemala (Training/workshops)</p> <p>Capacity-building workshop on carbon markets, Article 6 and the agriculture sector, held on 14 June 2023 (Web-based seminars/tools/courses)</p> <p>Mesoamerican Indigenous Peoples and Local Communities Climate Week – session on carbon markets and Article 6, held on 16 June 2023 in Panama City (Training/workshops)</p> <p>Webinar on Article 6 of the Paris Agreement for Central American Countries: actions required by Parties, held on 3 August 2023 (Web-based seminars/tools/courses)</p> <p>Face-to-face session on Article 6 of the Paris Agreement: key actions to take in 2023 (in-country level), held on 18 August 2023 in Panama City (Training/workshops)</p> <p>Solutions seminar for youth: Article 6 and carbon markets session, held on 29 August 2023 (Web-based seminars/tools/courses)</p> <p>Workshop on carbon footprint in aquaculture, held on 4–6 September 2023 in Palmas, Tocantins, Brazil (Training/workshops)</p> <p>Carbon markets and carbon neutrality in Colombia, made available on 14 September 2023 (Web-based seminars/tools/courses)</p> <p>CDM transition: consultation and clarification, held on 19 September 2023 (Web-based seminars/tools/courses)</p> <p>CDM transition: consultation and clarification, held on 20 September 2023 (Web-based seminars/tools/courses)</p> <p>Emissions trading scheme simulation in the Dominican Republic, held on 26–27 September 2023 in Santo</p>		

<i>Activity</i>	<i>Objective(s)</i>	<i>Quantitative/qualitative outcome(s)</i>
Domingo, Dominican Republic ⁱ (Training/workshops) Session on CDM transition, held on 20 November 2023 (Web-based seminars/tools/courses) CDM transition: consultation and clarification, held on 22 December 2023 (Web-based seminars/tools/courses)		

^a For more information on the carbon pricing regional dialogues and the Article 6 training, see <https://unfccc.int/about-us/regional-collaboration-centres/regional-dialogues-on-carbon-pricing-article-6-training-and-dna-forum>.

^b See <https://unfccc.int/about-us/regional-collaboration-centres/2023-webinar-series-on-article-6-of-the-paris-agreement>.

^c See <https://unfccc.int/RCCs>.

^d See <https://unfccc.int/workshop-on-carbon-pricing-initiatives-in-nigeria>.

^e See <https://unfccc.int/yecap-climate-negotiators-training-2023>.

^f See <https://unfccc.int/about-us/regional-collaboration-centres/rcc-bangkok/asean-carbon-pricing-conference>.

^g See <https://unfccc.int/about-us/regional-collaboration-centres/rcc-bangkok/carbon-pricing-workshop-in-lao-pdr>.

^h See <https://worldgreeneconomy.org/capacity-building-workshop/>.

ⁱ See <https://unfccc.int/about-us/regional-collaboration-centres/rcc-st-george/emission-trading-scheme-simulation>.