



United Nations
Climate Change

CAPACITY-BUILDING RESOURCES FOR MITIGATION

Booklet produced by the
Informal Coordination
Group for capacity-
building under the
Convention and the
Paris Agreement [ICG]

ABOUT THE ICG

The informal coordination group for capacity-building under the Convention and the Paris Agreement (ICG) provides a space for representatives of constituted bodies, operating entities and relevant processes under the Convention and the Paris Agreement to coordinate climate change related capacity-building plans and activities, and allow for better sharing of information, coherence, and identification of opportunities.

The ICG is facilitated by the [Paris Committee on Capacity-building \(PCCB\)](#) and consists of nominated representatives of the following bodies, entities and processes:

- [Action for Climate Empowerment](#)
- [Adaptation Committee](#)
- [Adaptation Fund Board secretariat](#)
- [Climate Technology Centre and Network](#)
- [Consultative Group of Experts](#)
- [Enhanced Lima Work Programme on Gender](#)
- [Executive Committee of the Warsaw International Mechanism for Loss and Damage](#)
- [Global Environment Facility secretariat](#)
- [Green Climate Fund secretariat](#)
- [Katowice Committee of Experts on the Impacts of the Implementation of Response Measures](#)
- [Least Developed Countries Expert Group](#)
- [Local Communities and Indigenous Peoples Platform Facilitative Working Group](#)
- [Nairobi Work Programme on impacts, vulnerability and adaptation to climate change](#)
- [Paris Committee on Capacity-building](#)
- [Standing Committee on Finance](#)
- [Technology Executive Committee.](#)

ABOUT THE BOOKLET

This booklet is part of a series of six showcasing and facilitating access to capacity-building-related products and activities of UNFCCC bodies, entities and processes.

Resources are categorized according to their nature:

1. Tools and methodologies; handbooks, manuals and guides; case studies and technical reports/publications
2. Technical assistance/support
3. E-courses/training
4. Other relevant online resources



CAPACITY-BUILDING RESOURCES FOR MITIGATION

Tools and methodologies

Technical paper on tools and methodologies for impact assessments (2022)

This technical paper and [accompanying database](#) provide detailed information on some of the quantitative and qualitative tools and methodologies available to be developed, enhanced, customized, and used for modelling and assessing the impacts of implementation of response measures. In doing so, the paper seeks to lower the informational barrier faced by potential users of such tools and methods.

Target audience: National level players active in developing and implementing climate change policies and plans including UNFCCC Parties and policy makers.



Technical paper on capacity-building on impact assessments (2022)

The technical paper provides information on the ways of assessing and analyzing the impacts of the implementation of response measures, identifies possible means to enhance the capacity and understanding of Parties in the assessment and analysis of these impacts, and draws on the work of identified organizations and highlights the scope for further collaboration with those stakeholders.

Target audience: National level players active in developing and implementing climate change policies and plans including UNFCCC Parties and policy makers.



Synthesis report: Implementation of gender-responsive climate policies, plans, strategies and action as reported by Parties in regular reports and communications under the UNFCCC process (2022)

This report synthesizes information on Parties' reporting of gender-responsive climate policies, plans, strategies and action in the latest nationally determined contributions, national adaptation plans, national adaptation programmes of action, national communications and **long-term low-emission development strategies** submitted to the secretariat as at 30 July 2022. As such, it provides key information to build understanding on how, and to which extent, Parties are integrating gender in their **mitigation strategies**.

Target audience: UNFCCC Parties and Non-Party Stakeholders



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Tools and methodologies

Implementation of just transition and economic diversification strategies: a compilation of best practices from different countries (2023)

The objective of this paper is to summarize the best practices and strategies regarding implementation of Just Transition and Economic Diversification from various sectors. The paper includes real world and concrete examples which serve as reference material for different parties on how to move forward in their own Just Transition process with the aim to reduce GHG emissions or manage the impacts of climate change.

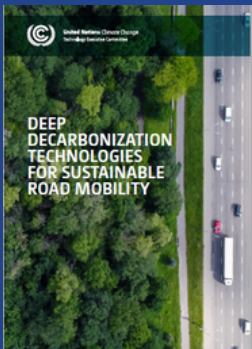
Target audience: Experienced parties/actors/stakeholders who are currently going through or interested in learning more about Just Transition and Economic Diversification.



Technical paper: Deep decarbonization technologies for sustainable road mobility (2022)

The Technical Executive Committee (TEC) technical paper on emerging climate technologies with high mitigation potential in the transport sector provides policymakers and other relevant stakeholders with a set of information that may help their decision making when defining national and/or regional strategies for accelerating the scale-up and diffusion of these technologies.

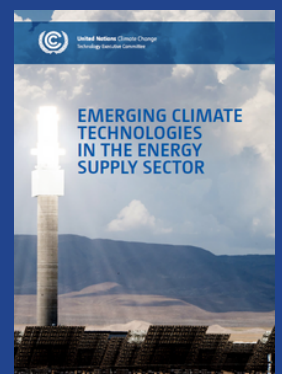
Target audience: Policy makers



Technical paper: Emerging climate technologies in the energy supply sector (2021)

The TEC technical paper on emerging climate technologies with high mitigation potential in the energy supply sector provides policymakers and other relevant stakeholders with a set of information that may help their decision-making when defining national and/or regional strategies for accelerating the scale-up and diffusion of these technologies.

Target audience: Policy makers



CAPACITY-BUILDING RESOURCES FOR MITIGATION

Tools and methodologies

Summary for Policy makers: Good practices and lessons learned on the setup and implementation of National Systems of Innovation (2023)

The TEC work on national systems of innovation (NSI) aims to support Parties in strengthening institutions and building local capacity to promote and incentivize innovation in support of accelerated implementation and scale-up of mitigation and adaptation technologies towards achieving climate and other sustainable development goals.

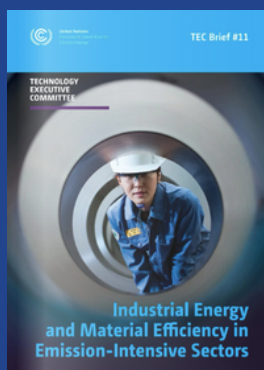
Target audience: Policy makers



Policy brief and executive summaries: Industrial energy and material efficiency (2017)

The TEC work on industrial energy and material efficiency outlines challenges and needs, presents best practices and lessons learned, and provides recommendations for further action for energy and material efficiency improvements, including through executive summaries for financial institutions, industry actors, international organizations, and domestic policy makers.

Target audience: Policy makers, financial institutions, industry actors, international organizations



Impacts of Emerging Industries and Businesses Hydrogen, Carbon Capture Utilisation and Storage and Artificial Intelligence (2023)

The most recent technical publication by the Katowice Committee of Experts on the Impacts of the Implementation of Response Measures (KCI) explores the impacts and potentials of new emerging industries. The report focuses on three industries: hydrogen, carbon capture utilization and storage (CCUS) and artificial intelligence (AI). A detailed description of these industries as well as methods are provided within the report. The publication highlights the assessment of the economic and social impacts these technologies possess, and the imperative of maximizing the positive and minimizing the negative impacts of implementation of response measures.

Target audience: UNFCCC Parties, policymakers, researchers and stakeholders working on mitigation and deep decarbonization



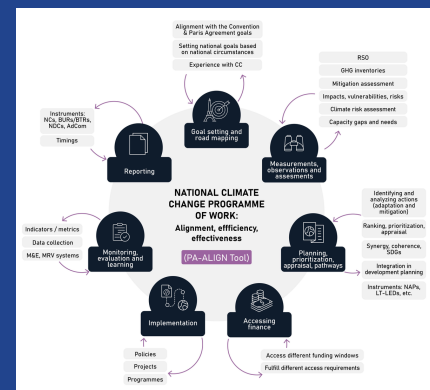
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Tools and methodologies

PA-ALIGN tool (2021)

The overall objective of the tool is to guide the least developed countries (LDCs) to effectively and efficiently navigate and address the many elements of the Paris Agreement.

Targeted audience: UNFCCC national focal points; Regional and international organizations supporting LDCs; Active players at national level in developing and implementing climate change policies and plans (including local communities, civil society, private sector and academia).



E-courses and trainings

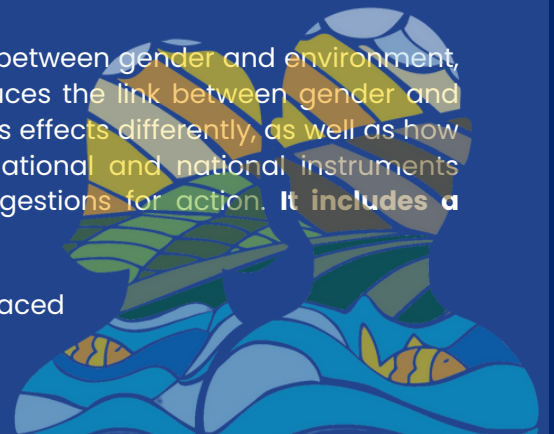
Open online course on Gender and Environment

The course is aimed at enhancing understanding about the linkages between gender and environment, including a specific module on climate change. This module introduces the link between gender and climate change, underlining how women and men are experiencing its effects differently, as well as how they are both part of the solution. It also outlines the main international and national instruments relating to gender equality and climate change and presents suggestions for action. **It includes a dedicated section on mitigation.**

Target audience: Open to all

Type of learning: Free online, self-paced

Duration: 6 hours



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Other relevant online resources

Database for tools and methods for assessment of impacts of response measures

The database provides detailed information on some of the quantitative and qualitative tools and methodologies available to be developed, enhanced, customized, and used for modelling assessing the impacts of implementation of response measures. The database accompanies the [KCI technical paper on tools and methodologies](#).

Target audience: National level players including UNFCCC Parties and policy makers.



Online repository: Policies and Technologies for Mitigation

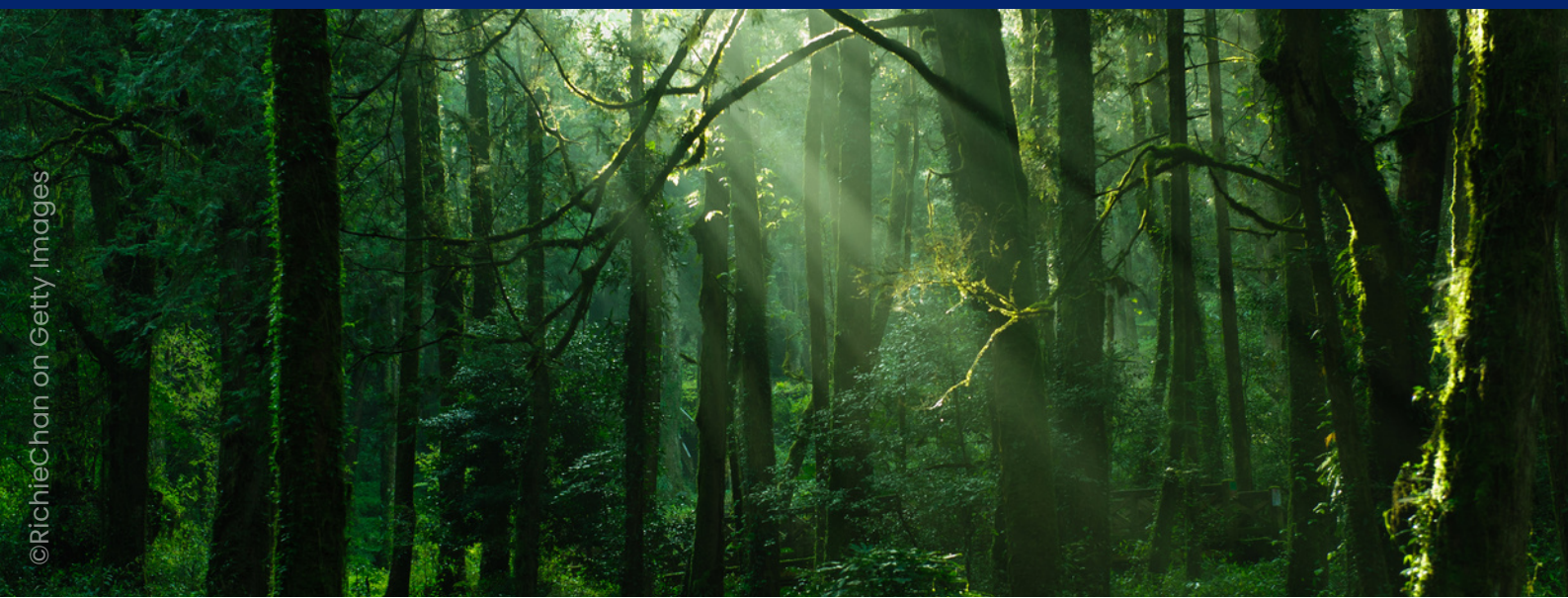
The UNFCCC offers an online repository of “Policies and Technologies for Mitigation” that aims to share information on decarbonization technologies, including emerging technologies, and policy enablers to promote decarbonization of energy systems, in particular energy supply/storage, sustainable mobility and zero emission buildings.

Target audience: Policy makers



CONSULT OUR OTHER BOOKLETS WITH CAPACITY-BUILDING RESOURCES FOR:

- Accessing, Mobilizing and Scaling up Climate Finance
- Adaptation and Resilience
- Climate Technology Development, Deployment and Transfer
- Capacity-building Resources for Climate Action
Effective Capacity-building and Mainstreaming Human Rights, Gender, Indigenous Peoples' Knowledge, Education and Youth
- Transparency





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CONTACT DETAILS



unfccc.int/PCCB-ICG



The ICG is facilitated by the Paris Committee on Capacity-building (PCCB). To contact the ICG, please write at pccb@unfccc.int



[UN Climate Change Capacity-building LinkedIn group](#)



For access to a wide range of additional climate-related capacity-building resources, please also visit the [UNFCCC capacity-building portal](#)