

4.a.v. Digital technologies

Revised draft policy brief on opportunities, risks and challenges of AI for climate action

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United Nations Climate Change
Technology Executive Committee

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Background

- At TEC 32, the TEC considered the draft policy brief on opportunities, risks and challenges of AI for climate action and provided guidance to the open-ended activity group on finalizing it after the meeting, including oral comments and written inputs provided by TEC members during the meeting.
- Given that the revised draft policy brief was not finalized by consensus via electronic means, it is considered further by the TEC at TEC 33.



Comments addressed from TEC 32 – Part I

References removed:

- Recommendation on establishing robust monitoring and evaluation frameworks to assess the impact, effectiveness, and ethical implications of AI applications in achieving climate goals
- Reporting and robust assessments of the full lifecycle impact of AI systems
- Case study on machine learning



Comments addressed from TEC 32 – Part II

References added:

- Lack of reliable and affordable energy as a barrier
- Elements on safeguards for confidentiality, intellectual property rights and national sovereignty
- Case study on early warning systems
- Misuse of multi-purpose AI systems as a risk
- References to sovereignty and nationally determined pathways
- Global and national regulation and controls on the production and use of AI
- Risks related to hallucinations and false claims
- Wording that AI can accelerate progress towards the UNFCCC objective and its Paris Agreement goals



Expected action

The TEC is invited to provide guidance to the open-ended activity group on the finalization of the revised draft policy brief.



Thank you



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