

Draft paper on aligning TNA process with the NAP process.

Technology Executive Committee, 17th meeting
Bonn, Germany, 26 September 2018



Adaptation technology inclusive case studies

- Adaptation Knowledge Portal of the Nairobi Work Programme contains information, including case studies under 5 thematic areas: ecosystems, human settlements, water, health, and traditional knowledge.
- The Adaptation committee publications including on institutional arrangements which contain case studies.
- Several adaptation case studies are also contained in the technical papers that were prepared under the TEP-A in 2016 and 2017 on:
 - a) Opportunities and options for enhancing adaptation actions and supporting their implementation: reducing vulnerability and mainstreaming adaptation;
 - b) Opportunities and options for integrating climate change adaptation with the Sustainable Development Goals and the Sendai Framework for Disaster Risk Reduction 2015–2030.

Adaptation technology inclusive case studies

- There are many technology specific case studies available. Some are part of, and coming out of, the TNA process. They include:
 - a) Crop production: use of data to manage climate information for decision making support, such as climate information services including use of electronic means to reach farmers, building on WMO Global Framework of Climate Services program.
 - b) Early warning systems including using remote-sensing, from regional to global systems to manage early warning systems. Collaborative approach on regional and global nature of weather events;
 - c) Solar technologies for water pumping in nature reserves to provide water for wildlife during droughts, including solar pumping examples;
 - d) Coastal erosion using sea walls.

Adaptation technology inclusive case studies

- Further effort may be required to enhance the level of information of LDCs on the best available adaptation technologies.
- Such effort may include specific details of implemented adaptation actions in both developed and developing countries
 - institutional arrangements,
 - legal environment,
 - climate risk assessment,
 - capacity development,
 - funding arrangements,
 - monitoring and evaluation.

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Opportunities for addressing technology needs for adaptation in the NAPs through the TNAs

- The following are potential areas for supporting technology needs during the implementation of adaptation actions identified in the NAPs, including technology needs during the formulation of the NAPs:
- (a) **During the formulation of NAPs:**
 - (i) Using technological solutions to improve observations, data analysis and exploration of high-tech solutions that are more efficient;
- (b) **During the implementation of NAPs**
 - (i) Using good practices and lessons learned from the implementation of the TNA results in developing countries;
- (c) In addition, **the consideration of technology in NAPs can be facilitated by:**
 - (i) Institutional arrangements: Collaboration between national TNA and NAP teams to enrich the work; Institutional level (TNA stakeholders in collaboration with NAP stakeholders)
 - (ii) Knowledge support: Provision of “both ways” knowledge support;

Key messages

- Building on the above potential areas for supporting technology needs during the implementation and formulation of adaptation actions identified in the NAPs following key messages could be drafted for Parties:
- Enhancing access to information by the least developed countries on learning on existing and functioning technology adaptation solutions, steps and procedures for climate technology deployment and dissemination, and on technology sustainable operation and maintenance to facilitate its long-term benefits to countries is useful in formulating a sound national adaptation plan with a view to effectively adapting to climate change challenges.
- Available effective and sustainable technology for adaptation solutions should be further explored, used and benefited by the developing countries, in particular the least developed countries. Such solutions should comprise those that improve climate monitoring and observation systems, and climate monitoring and observation data analysis, to enhance adaptation capacity and preparedness of these countries.

Key messages

- Collaboration and knowledge support between national stakeholders and teams involved in the Technology Needs Assessment and the National Adaptation Plans processes should be further enhanced to enrich their efforts, effectively use the available results, and consider the lessons learned and good practices from both processes.
- The Climate Technology Centre and Network technical assistance facilitates the enhancement of capacities and skills of developing countries, in particular least developed countries, in overcoming barriers to climate technology deployment, and to making their technology inclusive project proposals recognized by international technology expert community.

Thank you.

