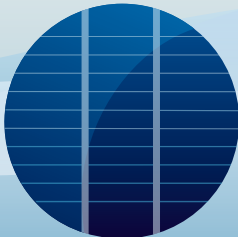
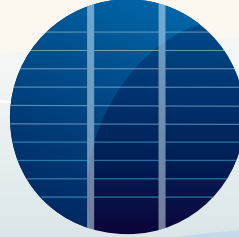


HANDBOOK FOR CONDUCTING

Technology Needs Assessment for Climate Change



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Design and layout: Sandra Rojas

Editing: Sarwat Chowdhury, John Higelin, Karen Holmes, Gail Karlsson

Translation: Translation Plus (French), Paulina Briones (Spanish), Institute for Global Change Research of Tsinghua University (Chinese)



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INTEGRATED GASIFICATION COMBINED CYCLE, SPAIN, SOURCE: VERHELST, C., 2006



Foreword

Climate change is the defining human development challenge of our generation. The way the world deals with climate change today will have a direct bearing on the development prospects of a large section of humanity. We must see the fight against poverty and the fight against the effects of climate change as interrelated efforts. They must reinforce each other and success must be achieved on both fronts jointly.

Technology can be a powerful solution for simultaneously addressing climate change and advancing development. If the process of technology development, diffusion and transfer is designed and implemented effectively, it will generate significant opportunities for both the North and South to address climate change and promote sustainable, innovation-based growth. As such, choices we make on technology selection and investments will have profound and long-term impacts on our societies.

This updated Technology Needs Assessment Handbook is designed to assist countries in making informed decisions in their technology choices. Building on lessons from earlier TNA efforts over the past decade, it offers a systematic approach for conducting technology needs assessments in order to identify, evaluate and prioritize technological means for both mitigation and adaptation. It also provides processes and methodologies for uncovering gaps in enabling frameworks and capacities and for formulating a national action plan to overcome them, as part of overall climate change strategies and plans such as NAMAs and NAPAs.

I hope this handbook will help countries articulate their own priority technology needs and formulate appropriate actions. The handbook is the result of the dedicated efforts of all those involved in its production: the United Nations Development Programme and the Secretariat of the United Nations Framework Convention on Climate Change, under the guidance of the Expert Group on Technology Transfer and in collaboration with numerous practitioners engaged in the development of technology transfer projects in developing countries.



Bruce Wilson

Chair

Expert Group on Technology Transfer



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