

**African Regional Workshop on Transfer of Technology  
as referred to in Decision 4/CP.4  
16-18 August 1999, Arusha, Tanzania**

**DRAFT PROVISIONAL AGENDA<sup>1</sup>**

**DAY 1**

**9.00 Session 1: Opening and introduction**

- **Welcoming remarks**  
*by Representative of the Government of the United Republic of Tanzania and Chow Kok Kee, Chairman of SBSTA*
- **Introduction to the consultative process and goals of the workshop**  
*by Wanna Tanunchaiwatana, UNFCCC secretariat,*
- **Presentation on IPCC Special Report on Methodological and Technological Issues in Technology Transfer**  
*by Ogunlade Davidson, Sierra Leone and IPCC,*

**10.00 Break**

**10.15 Session 2: Identification of specific technology needs, capacities, barriers and concerns of African countries in relation to the sustainable transfer of technology**

**Session chair : Phillip Acquah, Ghana (invited)**

- **African Climate Technology Needs and Capacities**  
*by Charles Wereko-Brobby (Ghana)*
- **African Countries and Technology Transfer**  
*by Ayite-Lo Ajavon (Togo)*
- **The Challenges of Climate Change and Sustainable Agricultural Development in Africa: Specific needs and concerns**  
*by Richard Muyungi (Tanzania)*
- **Tanzania's approach to identifying technology needs**  
*by Mark Mwandosya (Tanzania)*
- **Transfer of promising technologies based on natural resource endowment and barriers for their transfer**  
*by F. Yamba (Zambia)*
- Discussion

*(Relevant "issues and questions" from decision 4/CP.4: 9,10,11,12,13,17 - see attached)*

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<sup>1</sup>A detailed compilation of issues and questions relevant to sessions 3-7 are listed in the annex

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**12.30 Lunch**

**14.00 Session 3: Capacity building for technology transfer: needs, priorities and strategies**

**Session chair : Mark Mwandosya, Tanzania**

- **Capacity Building for Technology Transfer in the African Context: Priorities and Strategies**  
*by Shakespeare Maya ( Southern Centre, Zimbabwe)*
- **Building Capacity in Climate Change for `Sustainable Development in Africa**  
*by Ayite-Lo Ajavon (Togo)*
- **Quel renforcement des capacités pour l'Afrique**  
*by Jean-Philippe Thomas (ENDA, Senegal)*
- **Capacity building and technology transfer**  
*by Philip Gwage (Uganda)*

**15.45 Break**

**16.00 Session 3 : Capacity building (continued)**

- **The Climate Technology Initiative and capacity building in Southern Africa**  
*by Michael Rucker (Climate Technology Initiative)*
- **Technology Transfer for Mitigation and Adaptation to Climate Change and Impacts: Capacity building required for sustainable development in developing countries**  
*by Taka Hiraishi (IGES, Japan)*
- Discussion

**17.30 End of day 1**

**DAY 2**

**8.30 Session 4: Practical experience on technology cooperation and collaboration in Africa: electrification/renewable energy technologies and energy efficiency**

**Session chair : Francis Yamba, Zambia (invited)**

- **Presentation of background paper on experience with projects**  
*by Peter Zhou (Botswana)*
- **Mitigating CO2 while producing high value food crops: An intensive farming system for the Sahel**  
*by Moussa Seck, SYSPRO (Senegal)*
- **Solar Technologies for Sustainable Rural Development**  
*by Hassan Wardi Hassan (Energy Research Institute, Sudan)*
- **The Inter-African Coordination in Bio-Energy (CIAGE) - Objectives and actions of the CIABE**  
*by Philippe Girard (CIRAD-Foret)*
- **Awareness-Training-Financing: The way to a sustainable dissemination of stand alone PV systems for rural electrification**  
*by Hansjörg Müller (GTZ/Advisor to Ministry of Mines and Energy, Namibia)*

**10. 30 Break**

**10.45 Session 4 : Practical experience (continued)**

- **Regional cooperation in energy supply and energy demand management (see also session 6)**  
*by Juliet Chadzingwa (Zimbabwe)*
- **Transfer of solar cooker technology from Europe to South Africa**  
*by Eberhard Biermann and Richard Palmer (Germany)*
- **Les Energies Renouvelables et la Maîtrise de l'Énergie au Maroc, approches et programmes**  
*by Mustapha Taoumi, (Maroc)*
- **Introduction of European Innovative New and Renewable Energy Technologies for African islands and remote regions.**  
*by Maria da Graça Carvalho (Portugal)*
- Discussion

*(Relevant "issues and questions" from decision 4/CP.4: 1,2,3,7,8,11,14,`5,16,18,20 - see attached)*

**12.30 Lunch**

**14.00 Session 5: The view from the private sector: practical experience, barriers, needs and concerns**

**Session chair : To be decided**

- **Transfert ou acquisition de technologie: l'expérience de RICA**  
*by Idrissa Sanankoua ( Société Refrigeration Industrielle et Conditionnement d'Air, Cote d'Ivoire)*
- **The role of natural gas in the climate change debate: A case study of TransCanada's Songo Songo Gas to Electricity Project**  
*by Jim McCardle (Transcanada International)*
- **Concessional Finance as a Catalyst for commercialisation of renewable energy technologies : experiences and prospects**  
*by Anthony Derrick (UK)*
- Discussion

*(Relevant "issues and questions" from decision 4/CP.4: 1,4,6,7,8,10,12,13,16 on barriers; 2 on bilateral and multilateral; 3, 18 and 21 on technology mechanisms - see attached)*

**15.30 Session 6: The view from government: barriers, publicly owned technologies, and appropriate mechanisms for technology transfer**

**Session chair : Philip Gwage, Uganda (invited)**

- **Presentation of the results of "workshop on publicly supported technologies organised by the CSD, UNCTAD, UNEP, February 1998, Korea.**  
*by Rae Kwon Chung ( Ministry of Foreign Affairs and Trade, Republic of South Korea)*
- **The role of government in technology transfer**  
*by Laurie Steenkamp (South Africa)*

**16.15 Break**

**16.30 Session 6: The view from government (continued)**

- **Creating an adequate environment for the delivery of energy systems by governmental agencies**  
*by Juliet Chadzingwa (Zimbabwe)*
- **Technology Transfer programmes promoted by NEDO - Green Aid Plan (GAP). Activities implemented jointly (AIJ), Joint Implementation (JI) and Clean Development Mechanism (CDM)**  
*by Masami Takayasu, (NEDO, Japan)*
  - Discussion

*(Relevant "issues and questions" from decision 4/CP.4: 5, 6, 7,8 - see attached)*

**17.30 End of day 2**

**DAY THREE**

**8.30 Session 7: The role of intergovernmental organisations and NGOs**

**Session chair : Bhesraj Rishi Domun, Mauritius (invited)**

The following IGOs/NGOs have been invited to make short presentations in this session:

- Johan Wide - GEF
- Peter Pembleton, UNIDO
- Annie Bonnin-Roncerel, UNDP
- Mark Radka - UNEP
- ICC
- Discussion

**10.45 Break**

**11.00 Session 8: Identification of meaningful and effective actions to enhance implementation of Article 4.5 of the convention**

**Session co-chairs : Chow Kok Kee, Chairman of SBSTA  
Richard Muyungi, Tanzania (invited)**

- Discussion

**12.30 Lunch**

**14.00 Session 9: Workshop wrap-up**

- Facilitated discussion
- *Chow Kok-Kee, Chairman of SBSTA*
- *Wanna Tanunchaiwatana, UNFCCC Secretariat*

*(Relevant “issues and questions” from decision 4/CP.4: 13, 14, 15, 16, 17, 18, 19, 20, 21 - see attached)*

**17.00 END OF WORKSHOP**

**Annex:**  
**Relevant issues and questions from the annex to decision 4/CP.4 corresponding to session topics**

**The role of governments:**  
**practical experience on technology cooperation and collaboration and barriers**

	Issues	Questions
<b>Technology Cooperation</b>		
1	Promote bilateral and multilateral technology cooperation to facilitate technology transfer.	What additional bilateral and multilateral efforts to promote technology cooperation to facilitate technology transfer should be initiated? What should be the priority?
2	Collaborate with relevant multilateral institutions to promote technology transfer.	What should be the objective of collaboration with relevant multilateral institutions to promote technology transfer and what practical steps should be taken?
3	Promote and facilitate, in collaboration with the financial mechanism and multilateral and bilateral institutions, the arrangement of financing of technology transfer.	What additional guidance should be given to the financial mechanism?
<b>Barriers</b>		
4	Promote the removal of barriers to technology transfer.	How should Parties promote the removal of barriers to technology transfer? Which barriers are a priority and what practical steps should be taken?
5	Initiate and promote the transfer of publicly owned technology and those in the public domain.	What publicly owned technologies are available? How could Annex II Parties report upon them? How should Annex II Parties promote the transfer of publicly owned technologies?
6	Facilitate access to emerging technologies	How could access to emerging technologies be facilitated?

**The role of the private sector:**  
**promoting and facilitating private sector participation**

	Issues	Questions
7	Promote an enabling environment for private sector participation.	What measures, programmes and activities can best help to create an appropriate enabling environment for private sector investment ?
8	Facilitate the appropriate role of the private sector.	What role is the private sector playing in technology transfer? What additional role can the private sector play ? What barriers prevent their greater participation?

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### Capacity building, including technology information needs

	Issues	Questions
9	Promote and assist developing country Parties to access technology information.	What sort of information is needed and how can this best be done?
10	Oversee the exchange of information among Parties and other interested organizations on innovative technology cooperation approaches, and the assessment and synthesis of such information.	How should the Convention oversee the exchange of information among Parties and other interested organizations on innovative technology cooperation approaches, and the assessment and synthesis of such information?
11	Assist developing country Parties, on request, to assess required technologies.	How, to whom and in what format should developing country Parties make their request for assistance to assess required technologies?
12	Promote and enhance access to relevant technical, legal and economic information at national and regional centres.	What technical, legal and economic information is needed? What practical steps should be taken to promote and enhance access to such information by national and regional centres?
13	Develop a consensus on practical next steps to improve existing technology centres and networks in order to accelerate the diffusion of clean technologies in non-Annex I Party markets.	What type of process is needed to develop a consensus on practical next steps to improve existing technology centres and networks in order to accelerate the diffusion of clean technologies in non-Annex I Party markets. What type of arrangement is needed to monitor progress?
14	Consider information on innovative technology cooperation approaches and develop recommendations to the Conference of the Parties which could be recognized more formally and widely implemented under the Convention.	How should information be compiled and synthesized on innovative technology cooperation approaches? When should recommendations on such approaches be forwarded to the Conference of the Parties?
15	Identify projects and programmes on technology cooperation, which can serve as models for improving the diffusion and implementation of clean technologies internationally under the Convention, and to provide information on these projects to the Convention secretariat.	How and when should information on projects and programmes of technology cooperation which Parties believe can serve as models for improving the diffusion and implementation of clean technologies internationally under the Convention be provided to the secretariat? How could information on such model programmes be evaluated?
16	Provide technical advice on technology transfer to Parties, particularly developing country Parties.	What technical advice on technology transfer is needed? How should such advice be provided?
17	Promote capacity-building in developing country Parties through provision of concrete programmes.	What areas should be the focus of capacity- building and how should it be undertaken, e.g. what kinds of activities, programmes and institutional arrangements?



**Identification of meaningful and effective actions to enhance implementation of  
Article 4.5**

	<b>Issues</b>	<b>Questions</b>
18	Consider appropriate mechanisms for technology transfer under the Convention.	Are existing multilateral mechanisms sufficient? Are new mechanisms needed for technology transfer? If so, what are appropriate mechanisms for the transfer of technologies among Parties in pursuance of Article 4.5 of the Convention?
19	Can specific technology transfer goals be set?	
20	Can we develop indicators and accounting systems to track progress on technology transfer?	
21	Are particular institutional arrangements needed to monitor progress?	