



GNESD

GLOBAL NETWORK
ON ENERGY FOR
SUSTAINABLE
DEVELOPMENT

Facilitated by UNEP

Policy Dialogue Conference
**The Role of Renewable Energy for Poverty
Alleviation and Sustainable Development in Africa**

22 – 24 June 2005
Dar es Salaam, Tanzania

**Energy, Development and Environment issues in Africa to
reach the MDG**

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THE GNESED: Objectives

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- Launched as a 'Type II' initiative at the 2002 WSSD
- UNEP facilitated network of developing world Centres of Excellence and network partners, renowned for their work on energy, development, and environment issues
- 20 Member Centres
- 38 Partners associated to GNESED





GNESD Centres of Excellence



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The GNESD: Objective



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- GNESD works for reaching the MDG by:
 - Strengthening the Members Centres' ability to acquire, assimilate, and apply existing knowledge and experiences.
 - Working for a better understanding of the links between sustainable energy and other development and environment priorities, and technology and policy options.



The GNESD: Objective....cntd

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- Working to change government policies and programmes, and private sector investments, - to favour energy for sustainable development approaches
- Promoting a communication infrastructure to share experiences and draw on each other's strengths, expertise and skills
- Strengthened S-S and N-S exchange of knowledge and collaboration on energy issues of common interest



Working to reach the MDG

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Energy for the Achievement of the Millennium
Development Goals

Energy for Poverty
Alleviation

Sustainable Energy
Production and
Consumption

CONTEXT OF GNESD PROGRAM
ACTIVITIES 2003-2007



Energy for Poverty Alleviation

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- **The Energy Access Theme**
 - objective was to assess by empirical study the impact of power sector reforms on the poor in different developing countries.
 - **Initial Focus - Electricity**
Has power/electricity sector reforms expanded access among the poor?
 - **Findings**
 - Lack of reliable trend data sets on electricity use among the poor - indication of past limited policy interest (used proxies & analysis of primary data)
 - Market-oriented reforms have had **neutral or adverse impacts** on the poor
 - Power sector reforms need an **explicit pro-poor dimension** otherwise electrification of the poor is forgotten



Energy for Poverty Alleviation

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- **Findings...Energy access study**
 - Need to protect (ring-fence) financing for electrification of the poor
 - Sequencing of reforms: Preferably electrify the poor first, then privatize (or in parallel)
 - If possible, ensure that the poor are represented in key decision making bodies



Energy for Poverty Alleviation...

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- RETs for poverty alleviation; objectives
 - Define the role of RETs for poverty alleviation
 - Identify main barriers to RETs dissemination
 - Provide concrete recommendations and guidelines for Policymakers



Energy for Poverty Alleviation...

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- Preliminary findings...RETs for poverty alleviation
 - Renewable Energy not high on the development agenda
 - The lack of coherent policies
 - low stimulus for market establishment due to unattractive and unreliable conditions for private investors.
 - RETs focus on residential rather than on productive uses - low impact on family income.
 - lack of knowledge by potential users



Energy for Poverty Alleviation...

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- Preliminary findings...RETs for poverty alleviation
 - Most RETs have been fragmented attempts with R&D characteristics carried out in isolation from other development challenges such as health, poverty, education and regional development.
 - inherited the institutional setup of industrialised countries ' energy
 - There is several decades of experience in RE projects – knowledge of strong & weak areas of RETs



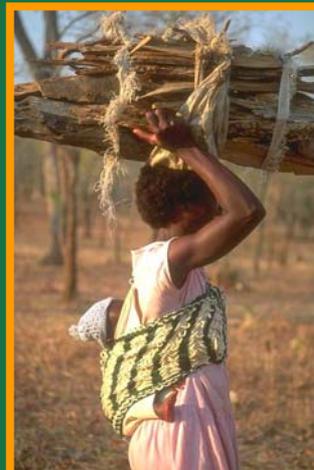
Sustainable Energy Production & Consumption

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- Future Issues
 - The role of energy in achieving the Millennium Development Goals.
 - Methodological approaches to develop Sustainable development policies for the energy sector





MGDs and Energy...examples

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MDGs linked to Energy	Energy Needs for meeting MDGs
Extreme poverty and hunger	Access to affordable energy services from gaseous and liquid fuels and electricity enables enterprise development
Universal primary education	provision of electricity for lighting & heating electricity for teaching aids
Gender Equality & Women Empowerment	provision better cooking fuel to free task of wood collection reduce indoor air pollution
Child mortality	Indoor air pollution contributes to respiratory infections that account for up to 20 percent of the 11 million deaths in children each year (WHO 2000, based on 1999 data).
Maternal health	Energy services are needed to provide access to better medical facilities for maternal care, including medicine refrigeration, equipment sterilisation, and operating theatres.
HIV/AIDS, malaria and other major diseases	Safe disposal of used hypodermic syringes by incineration prevents re-use and the potential further spread of HIV/AIDS.
Environmental sustainability	Clean energy production can encourage better natural resource management, including improved water quality



UNDP Support

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- UNDP is helping to strengthen outreach and sub-regional networking.
- Specific tasks of the Centres in the Energy Access theme:
 - Identify key Centres/experts/policymakers at the national level, to be involved in consultation.
 - Map out Key national policy making process (PRSP, Energy Policy, etc).
 - Strategize and conduct national policy engagement with decision makers, civil society.
 - Communicate lessons learned.

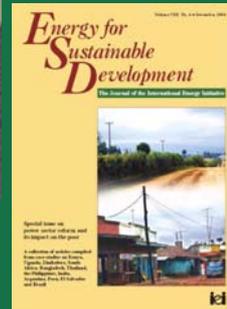
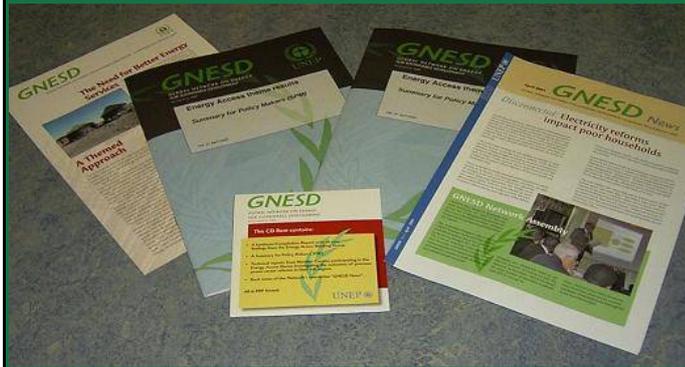


Publications

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Collaboration with other Type II Initiatives

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- **GNESD is involved in cooperation with related Type II initiatives.**
 - Links with GVEP, REEEP and EUEI. Specific collaboration taking place
 - GNESD outputs may function as inputs and guidance for other initiatives and their country work provide feed back on policy issues for GNESD to examine





Challenges

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- **Key issues for collaboration:**

- Identify core strengths and potential synergies
- GNESD provide policy recommendations, which should function as guidance for other initiatives.
- Feedback on practical policy issues and requirements for policy analysis from other implementation oriented Partnerships.
- Knowledge management and information dissemination a key area for joint efforts.



Thank you

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