

ENERGY POVERTY AND ACCESS TO ENERGY IN DEVELOPING COUNTRIES

Venice, 12-13 March 2012
Fondazione Eni Enrico Mattei
Island of San Giorgio Maggiore, 8

Agenda

Reducing energy poverty in the developing world is a necessary condition to promote its economic and social development. No global target is currently in place to tackle this specific problem, and so far only national efforts have been devoted to this momentous task. As a result 1.3 billion people still lack access to electricity and 2.7 billion people rely mainly on traditional biomass.

Extending energy access entails two main issues and their related implications: (i) switching from biomass use to more efficient fuels would avoid the negative externalities of indoor pollution and reduce the time devoted to wood collection; (ii) the diffusion of electricity would generate positive effects on health, education and labour productivity.

In addition, the approach adopted to promote energy access should be compatible with sustainable development. Although on one side the reduced reliance on biomass would relieve the pressure on natural resources, on the other side an uncontrolled use of fossil fuels could determine a dramatic increase in CO₂ emissions. Clean energy technologies are thus required to meet the dual need of reducing energy poverty while limiting the impact on the environment. For this purpose, it is urgent to improve the tools to measure energy poverty, to better understand the determinants and future prospects of energy access, and to design better policies learning from past pitfalls.

The Workshop will address the bi-directional relationship between energy access and poverty reduction, starting from the possible definitions of energy poverty, reviewing the common measurement approaches and highlighting the facts behind the current situation.

Furthermore, the future paths for the diffusion of modern energy sources will be explored, paying particular attention to the extent to which energy access would rely on fossil fuels or on alternative technologies. Indeed, in addition to the assessment of energy access contribution to poverty alleviation, it is worth considering how the adoption of different energy mixes could determine a more sustainable development. Finally, the Workshop will analyze future policy perspectives, and the contribution of climate finance to enhance energy access.

Day 1. Monday, 12 March 2012

h. 09.45 - 10.00 – Registration

10.00 Welcome address and introduction

Carlo **Carraro** - Fondazione Eni Enrico Mattei and Ca' Foscari University, Venice, Italy

Giuseppe **Sammarco** - Fondazione Eni Enrico Mattei, Italy

10.15 Session 1. Energy Needs, Energy Access and Energy Poverty: A Global Overview

Chair: Carlo **Carraro** - Fondazione Eni Enrico Mattei and Ca' Foscari University, Venice, Italy

New directions in international policy for energy access

Andrew **Scott**, Environment and Forests Overseas Development Institute, UK

Mapping global energy needs and future energy consumption

Massimo **Tavoni**, Fondazione Eni Enrico Mattei, Italy

Escaping the vicious cycle of poverty: Towards universal access to energy in developing countries

Arno **Behrens**, Center for European Policy Studies (CEPS), Belgium

Discussion

h. 12.30 - 14.00 – Lunch

14.00 Session 2. Households' Access to Energy

Chair: Massimo **Tavoni** - Fondazione Eni Enrico Mattei, Italy

What will it take to achieve universal household access to electricity and clean cooking by 2030?

Shonali **Pachauri**, International Institute for Applied Systems Analysis (IIASA), Austria

Energy access: meeting cooking and thermal energy needs

I H **Rehman**, Teri - The Energy and Resources Institute, India

Increasing the access to energy for energy-deprived households – Case of Indonesia

Marjan **Stojiljkovic**, Frankfurt School of Finance&Management, Germany

Discussion

h. 16.00 - 16.30 – Coffee Break

16.30 Session 3. Technologies to alleviate Energy Poverty

Chair: Giuseppe **Sammarco**, Fondazione Eni Enrico Mattei, Italy

Energy and poverty: financing appropriate sustainable technologies solutions

Raffaella **Centurelli**, Organisation for Economic Cooperation and Development (OECD), France

Systematic energy service provision - Power plants, the poor and the policy maker

Mark **Howells**, KTH Royal Institute of Technology, Sweden

Discussion

18.00 Conclusions of the first day

Day 2. Tuesday, 13 March 2012

9.30 Session 4. Access to Energy and Sustainable Development

Chair: Carlo **Carraro**, Fondazione Eni Enrico Mattei and Ca' Foscari University, Venice, Italy

Beyond energy access: dimensions of the cleaner energy and affordability challenge
Josuè **Tanaka**, European Bank for Reconstruction and Development (EBRD), UK

Pre-Investment Conditions for Energy Access Initiatives: A Governance Perspective
Davida Rachel **Wood**, WRI - World Resource Institute, USA

Business solutions to enable energy access for all
Filippo **Veglio**, World Business Council for Sustainable Development (WBCSD), Switzerland

Discussion

h.11.30 - 12.00 – Coffee break

12.00 General discussion

h.13.00 – Light lunch

Speakers

Arno **Behrens**, Center for European Policy Studies (CEPS), Belgium

Carlo **Carraro**, Fondazione Eni Enrico Mattei and Ca' Foscari University, Venice, Italy

Raffaella **Centurelli**, Organisation for Economic Cooperation and Development (OECD), France

Mark **Howells**, KTH Royal Institute of Technology, Sweden

Shonali **Pachauri**, International Institute for Applied Systems Analysis (IIASA), Austria

I H **Rehman**, Teri - The Energy and Resources Institute, India

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Andrew **Scott**, Environment and Forests Overseas Development Institute, UK

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