



EU HORIZON 2020 FRAMEWORK PROGRAM - CD-LINKS PROJECT
EXPERT WORKSHOP: INTEGRATING POVERTY AND
INEQUALITY DIMENSIONS IN INTEGRATED ASSESSMENT
MODELS FOR CLIMATE CHANGE

17-18 May, 2016

CMCC – Centro Euro-Mediterraneo sui Cambiamenti Climatici
Isola di San Giorgio Maggiore, Venezia, Italy

MOTIVATION/PURPOSE

The Integrated Assessment Models (IAMs) community informs climate change policy. Its main results are reviewed in the reports by the Intergovernmental Panel on Climate Change (IPCC) and form the scientific basis of international climate negotiations. Important objectives of this community include the development of long term emission pathways on the basis of population, economic and technological projections, which in turn can be used for climate policy assessments.

During the last ten years, IAMs have advanced to incorporate various aspects of the interaction between economic activities, land, water, other natural resource usage, and the biosphere at large. These activities have mostly aimed at providing an increasingly complete and dynamic picture of the relationship between humanity and the earth, and of the interaction between climate change and other global policy challenges.

Poverty eradication and reduction of inequality have been recognized as key factors affecting and mediating climate change damages and the socio-economic impacts of climate change mitigation policies. However important, inequality in the distribution of wealth and of resources, and its evolution in time, has often been neglected in integrated assessment models. This is due to several factors, ranging from the difficulty in disentangling drivers of inequality, which makes projections difficult, up to the fact that inequality has been a marginalized topic in recent decades even in the field of economics.

This workshop will bring together leading experts from various relevant disciplines and domains, including development economics and policy, integrated assessment modeling, food and water, and energy. Among others the workshop aims at taking stock and bringing to the attention of the IAM community what has been done so far in very different contexts, in terms of collecting data on, studying key drivers of, and modeling the evolution of poverty and inequality. Based on this stocktaking, experts will discuss effective and feasible ways of improving the representation of poverty and inequality in integrated assessment and economic and climate policy modelling.

The workshop is organized by CD-LINKS (Linking Climate & Development Policies: Leveraging International Networks & Knowledge Sharing), which is a 4-year research project with 18 partners and collaborators from Europe, China, India, Brazil, Russia, Japan, the USA, Korea and Iran. The project explores national and global transformation strategies for climate change and their linkages to a range of sustainable development objectives. More information: www.cd-links.org.



AGENDA:

MEASURING AND MODELING POVERTY AND INEQUALITY: WHAT'S THE STATE OF THE ART? TUESDAY, 17 MAY

12:00-13:00 *Light Lunch*

13:00-13:15 **Welcome, Introduction to CD-LINKS Project, and Meeting Objectives**
Valentina Bosetti, CMCC
Keywan Riahi, International Institute of Applied Systems Analysis (IIASA)

13:15-13:55 **An Interdisciplinary Overview**
Narasimha D. Rao, IIASA
[25 minute presentation +15 minutes for immediate Q&A]

13:55-14:35 **Income Distribution Modeling in CGE models: Guidance for IAMs**
Bas van Ruijven, National Center for Atmospheric Research (NCAR)
[25 minute presentation +15 minutes for immediate Q&A]

14:35-15:15 **Modelling Heterogeneous Agents in a DSGE, a Macroeconomics Perspective**
Marco Maffezzoli, Bocconi University
[25 minute presentation +15 minutes for immediate Q&A]

15:15-15:45 **Coffee break**

15:45-16:25 **Modelling Heterogeneous Agents in an Integrated Assessment modelling framework**
Jean-Francois Mercure, Radboud University
[25 minute presentation +15 minutes for immediate Q&A]

16:25-17:05 **Modelling Poverty in the Long Run**
Julie Rozenberg, The World Bank
[25 minute presentation +15 minutes for immediate Q&A]

17:05-17:45 **Modelling Migration and its Economic Impacts**
Syud Amer Ahmed, The World Bank
[25 minute presentation +15 minutes for immediate Q&A]

17:45-18:00 *Closing Remarks*

19:30 **Expert dinner at "Trattoria da Ignazio" (San Polo 2749 Calle dei Saoneri)**
Dinner for all meeting participants (participation on own expense)

MULTIDIMENSIONS OF POVERTY WEDNESDAY, 18 MAY

08:15-09:00 *Breakfast*

09:00-09:40 **Poverty and Energy Inequality**
Aayushi Awasthy, The Energy and Resources Institute (TERI)
[25 minute presentation +15 minutes for immediate Q&A]



09:40-10:20	<i>The Poverty and Distributional Impacts of Climate Change: A Review of the Evidence</i> <i>Emmanuel Skoufias, The World Bank</i> <i>[25 minute presentation +15 minutes for immediate Q&A]</i>
10:20-11:00	<i>Food, Poverty, Climate Change</i> <i>Lini Wollenberg, University of Vermont</i> <i>[25 minute presentation +15 minutes for immediate Q&A]</i>
11:00-11:20	Coffee break
11:20-12:00	<i>How to think about the Future of Economic Growth - The International Panel on Social Progress</i> <i>Ottmar Edenhofer, Potsdam Institute for Climate Impact Research (PIK)</i> <i>[25 minute presentation +15 minutes for immediate Q&A]</i>
12:00-13:15	Panel with morning speakers and CD-LINKS project representatives <i>Chair: Ottmar Edenhofer, PIK</i> <i>John Weyant, Stanford University</i> <i>Keywan Riahi, IIASA</i> <i>Roberto Schaeffer, The Alberto Luiz Coimbra Institute for Graduate Studies and Research in Engineering (COPPE) of the Federal University of Rio de Janeiro</i> <i>Aayushi Awasthy, TERI</i> <i>Emmanuel Skoufias, The World Bank</i> <i>Lini Wollenberg, University of Vermont</i>
13:15-14:00	Lunch

