

SYMPOSIUM ON
ENERGY AND CO₂ EMISSIONS/POLICIES – GLOBAL CO₂ ECONOMICS

Tuesday, August 18 - Sandbjerg (University of Aarhus)

9.00-9.25 Registration

9.25-9.30 Opening remarks by the organizers
Welcome by Jesper Strandkov, Dean - Faculty of Social Sciences,
University of Southern Denmark

Session 1 – Climate Change, CO₂ Emissions, and Economic Analysis

9.30-11.00 Finn R. Førsund, University of Oslo: *Climate Change and Economic Analysis*
Hirofumi Uzawa, The Japan Academy/University of Tokyo: *Global Warming,
Proportional Carbon Taxes, and International Fund for Atmospheric
Stabilization*

Gary Shaffer, Niels Bohr Institute, University of Copenhagen: *Short and Long
Term Projections of Atmospheric CO₂ Concentrations and Climate*

11.00-11.15 Coffee Break

Session 2 – Low Carbon Electricity Future with Renewable Energy/Wind Power

11.15-12.30 David Newbery, Faculty of Economics, University of Cambridge: *Market
Design and Support Policy for a Low Carbon Electricity Future*

Film: *Windpower – To Combat Climate Change*

12.30-13.30 Lunch Break

Session 3 – Electricity Markets, Power Generation and Wind Farms

13.30-15.00 Peter Jørgensen, Energinet.dk: *Integration of Wind Power in the Danish
Energy System – preparing for 30 % Renewables in 2020*

Charles Nielsen, DONG Energy A/S: *Energy in Transmutation*

Morten Holmager, Offshore Center Denmark: *Offshore Wind Energy – Status
and Future Prospects*

15.00-15.15 Coffee Break

Session 4 – Climate Change and Global Climate Policies

15.15-16.30 Yosuke Arino, Graduate School of Economics, Keio University, Tokyo and Ayumi Onuma, Institute of Energy Economics, University of Cologne, and Keio University: *Greenhouse Gas Emission, Mitigation and Innovation of Adaptation Technology in a North-South Economy*

Tapio Palokangas, University of Helsinki, IIASA: *CO₂ Emissions with Lobbying and Technological Change*

16.30-16.45 Coffee Break

Session 5 – CO₂ Emissions and CO₂ Reductions

16.45-17.45 Gerard H. Kuper, University of Groningen, the Netherlands: *A Simple Reduced-Form Macroeconomic Model of CO₂ Emissions Dynamics*

Daiju Narita, Kiel Institute for the World Economy: *Economic Optimality of CCS Use: A Resource-Economic Model*

19.00- Conference Dinner

Wednesday, August 19 - Alsion (University of Southern Denmark)

Session 6 – A Global Carbon Balance and Land Surfaces and Transportation

9.00-10.15 Jørgen Olesen, Faculty of Agricultural Sciences, Aarhus University: *The Role of Land Surfaces for the Carbon Balance*

Chris Nash, Institute for Transport Studies, University of Leeds: *Policy Instruments for Reducing Greenhouse Gas Emissions from Transport*

10.15-10.30 Coffee Break

Session 7 – CO₂ Neutrality, Energy Efficiency and Technological Innovations

10.30-11.45 Peter Rathje, Alsion, University of Southern Denmark: *Sønderborg - Project Zero*

Per Balslev, Fuel Cell Business, Danfoss Ventures: *Reduced CO₂ Emission by Distributed Generation of Electricity, a Practical Demonstration Project in Denmark*

Uffe Borup, Danfoss Solar Inverters, A/S: *Photovoltaic Energy – Perspectives on a Realistic Alternative*

Session 8 – Infrastructure, Decentralization and Green Technology

11.45-12.30 Erik Koldby, ABB, A/S: *Power Grids*

Hans Henrik Fischer, Sauer-Danfoss: *Clusters in Southern Denmark and Bioenergy*

12.30-13.30 Lunch

Session 9 – Public Policy and Consequences of Climate Change

13.30-14.30 Denise E. Konan, University of Hawaii, Honolulu: *Reducing Greenhouse Gas Emissions in a Coastal Tourism Economy*

Ulla Lehmijoki, University of Helsinki: *Environmental Mortality and Long-Run Growth*

14.30-15.00 Coffee Break

Session 10 – Global Climate Agreements, IPCC, Governments, and Business

15.00-16.15 Urs Steiner Brandt, Institute of Environmental and Business Economics,
University of Southern Denmark: *EU-TPS and CDM - The Consequences of
including Certified Emissions Reductions from CDM Projects into the
European Tradable Permit Market*

Kirsten Halsnæs, DTU Climate Center, Technical University of Denmark: *Key
Challenges in making a Copenhagen Climate Agreement*

16.15-16.45 Panel Discussion

16.45 Closing Remarks

Organizers

Bjarne S. Jensen, University of Southern Denmark
Niels Vestergaard, University of Southern Denmark

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