

# Interdependencies between policies, energy consumption, and global environmental change: a geographic perspective

## Organizer

Federico Martellozzo, Labex - Ecole des Ponts ParisTech (France)

## Description

The sustenance of global population is strongly based on energy consumption. Energy is used to sustain our lifestyle from heating houses to charge smart-phones and computers; therefore, energy resources depletion is proportional to the improvements of human lifestyles. Nowadays, fossil fuels usage accounts for almost 4 fifths of global energy needs. Nevertheless, fossil fuels consumption is the primary source of Co<sub>2</sub>, the main greenhouse gas, which has a huge influence on the global environmental change. The relationship between the quantity of energy used and the resultant carbon dioxide emissions has been extensively described in literature. Consequently, many policies that aim to mitigate climate change focus either on a reduction of energy consumption to satisfy human needs, or on reducing our dependency on fossil fuels. On the other hand, the quantitative and qualitative profile of human energy requirements is still a matter of debate. While environment preservation is the main focus, there is also the emerging need to ensure that fuel-poor household can access enough energy to satisfy primary necessities.

This session aims to examine the interdependencies between policies, landcover and landscape planning, fuel vulnerability, and climate change at different scales.

[Read the abstracts](#)

Chair: Federico Martellozzo

Presentation n. 1

Title: Governing the Globalization. The Energy Debate between Nature and Macroeconomic

Issues.

Author(s): Gianfranco Battisti

Presentation n. 2

Title: Evaluation of energy reduction potential via urban renewal: quantitative modelling from the French Census

Author(s): Olivier Bonin

Presentation n. 3

Title: Environmental damage and proximity: a challenge for governance

Author(s): Domenico de Vincenzo

Presentation n. 4

Title: Kyoto Protocol and the energy policies of Portugal in the European Union context: expanding the use of biodiesel in road transport

Author(s): Elisa Pinheiro de Freitas

Presentation n. 5

Title: Renewable energy in Abruzzo: expression of an offer to close

Author(s): Giacomo Cavuta, D. Di Fonzo

Presentation n. 6

Title: The European energy policy for the Mediterranean area

Author(s): Maria Paladino

Session code: S17