



MILESECURE-2050

Multidimensional Impact of the Low-carbon
European Strategy on Energy Security, and Socio-
Economic Dimension up to 2050 Perspective

SSH.2012.2.2-2 – 320169



INTERNATIONAL SEMINAR

THE HUMAN FACTOR IN ENERGY TRANSITION & SECURITY TOWARDS 2050

Multidimensional Knowledge, Innovative Models, Effective Policies

Tuesday, 15 December 2015

University Foundation

Rue d'Egmont 11 - 1000 Brussels (Meeting Room Félicien Cattier)

9.15 – 17.30



This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no. 320169

Synopsis of the MILESECURE-2050 International Seminar

“Two major challenges are impending upon our energy future: the achievement of a secure energy supply, and a move from dependency on non-renewable to a dependency on renewable energy sources. The challenges call for radical changes or ‘energy transitions’: revisions that concern the entire energy system, not just some of its parts. These transitions are structural, as they modify the way energy provision is organized at the level of society. They are radical, since they may demand abandoning existing technologies even if they still work. And they are fundamental, because they require that we start thinking in novel ways about energy, its provision, and how a good and just society is organized around energy.

Transitions do not only pose technological challenges, but incur enormous social and economic changes as well. These include shifting identities of individuals as citizens and consumers and producers of energy, entailing changes in repertoires of action. Changes also concern market relations and social and institutional positions. And they come with new roles and responsibilities for new actors. These changes incur friction and social stress. At the same time, the social domain is one resource for flexibility, improvisation and problem solving. Through reflection and anticipation, people are able to find new solutions, and to find new orientations in their lives.

In thinking through energy transitions, the human factor has received too little attention. Most policy documents and future visions focus on economic, geopolitical and technological changes, and at best present a scant notion of what the changes mean for individual persons, how the changes depend on individuals and the actions of local groups, and how this human factor can be mobilized and engaged.”

(Adapted from: [MILESECURE-2050 Project](#), “[Manifesto](#)” Preamble)

The International Seminar “[THE HUMAN FACTOR IN ENERGY TRANSITION & SECURITY TOWARDS 2050](#)” aims at discussing the above topic, presenting the final results of the EU MILESECURE-2050 project. The project work-programme was articulated in three main stages. At the first stage, both a study of European **main trends and policies** and an analysis of a set of 90 “**anticipatory experiences**” of the transition towards low carbon society were conducted. At the second stage, the knowledge deriving from the above two studies was embodied in **innovative forecasting models and scenarios**. At the third stage, **policy guidelines and a manifesto** on the transition were drafted. Following the project structure, this Seminar is organized around three key issues: *Multidimensional Knowledge*, *Innovative Models* and *Effective Policies*. For each of these issues, a paper highlights the main research outputs and stimulates discussion with European experts, energy stakeholders and policy makers in a specific working session.



MILESECURE-2050 International Seminar Programme

Tuesday, 15 December 2015

08.30 – 09.15 REGISTRATIONS

In front of the Meeting Room Félicien Cattier (Ground Floor)

09.15 – 11.45 OPENING SESSION

9.15 – Welcome Addresses

- ❖ PATRIZIA LOMBARDI, *MILESECURE-2050 Project Co-ordinator, Politecnico di Torino – POLITO (Italy)* – **MILESECURE-2050 project and its main outcomes**
- ❖ DOMENICO ROSSETTI DI VALDALBERO, *Project Officer, DG RTD, European Commission*
- ❖ PIERRE LACONTE, *President, Foundation for the Urban Environment (FFUE) and member of the MILESECURE-2050 Advisory Board*

10.00 – Keynote speeches

Chair: MASSIMO BUSUOLI, *Head of Unit on European Union and International bodies, Italian National Agency for New Technologies, Energy and Sustainable Economic Development – ENEA (Italy)*

- ❖ Keynote speech on **Multidimensional Knowledge**
GIOVANNI CAIATI, *Laboratory of Citizenship Sciences – LSC (Italy)*
MAX GRUENIG, *Ecologic Institute – ECOLOGIC (Germany)*
- ❖ Keynote speech on **Innovative Models**
JEAN CHARLES HOURCADE AND CHRISTOPHE CASSEN, *Société de Mathématiques Appliqués et de Sciences Humaines – SMASH (France)*
ZYGMUNT PARCZEWSKI, *Institute of Power Engineering – IEn (Poland)*
- ❖ Keynote speech on **Effective Policies – Manifesto and policy recommendations**
GOVERT VALKENBURG, *Maastricht University, Science, Technology and Society Studies – MUSTS (The Netherlands)*
GIANCARLO COTELLA, *Politecnico di Torino – POLITO (Italy)*

Questions & Answers

11.45-12.00 - Coffee Break



12.00 – 17.30 WORKING SESSION

12.00 – Working groups

Potentiality, limits and perspectives of MILESECURE-2050 project

- ❖ Working group (1) on **Multidimensional Knowledge** – Meeting Room D (1st Floor)
Facilitator: MAX GRUENIG, *Ecologic Institute – ECOLOGIC (Germany)*
Rapporteur: GABRIELE QUINTI, *Laboratory of Citizenship Sciences – LSC (Italy)*
- ❖ Working group (2) on **Innovative Models** – Meeting Room Emile Francqui (1st Floor)
Facilitators: CHRISTOPHE CASSEN, MERIEM HAMDI-CHERIF, *Société de Mathématiques Appliquées et de Sciences Humaines – SMASH (France)*
Rapporteur: MARIA KASKA, *Institute of Power Engineering – IEn (Poland)*
- ❖ Working group (3) on **Effective Policies** – Meeting Room Félicien Cattier (G Floor)
Facilitator: GIANCARLO COTELLA, *Politecnico di Torino – POLITO (Italy)*
Rapporteur: GOVERT VALKENBURG, *Maastricht University, Science, Technology and Society Studies – MUSTS (The Netherlands)*

13.30-14.30 – Lunch (Ground Floor)

14.30 – Round Table Discussion

Presentation of the summaries of the three working groups by the three rapporteurs.

Chair: WIEBE E. BIJKER, *Maastricht University, Science, Technology and Society Studies – MUSTS (The Netherlands)*

- ❖ ANA AGUADO CORNAGO, *Secretary General, European Distribution System Operators for Smart Grids (EDSO)*
- ❖ PETER S. BRANDON, *International expert on built environment issues*
- ❖ ALINE CHIABAI, *Research Professor, Coordinator of the research area health and climate change, BC3 (Basque Centre for Climate Change); member of the MILESECURE-2050 Advisory Board*
- ❖ STEVE CURWELL, *Heys Environmental Consultants Ltd and member of the MILESECURE-2050 Advisory Board*
- ❖ MICHAEL KLINKENBERG, *Policy adviser on environment and energy, EUROCITIES*
- ❖ FRANCESCO PROFUMO, *President of IREN, Former Italy's Minister of Education*
- ❖ WOLFGANG TEUBNER, *Regional Director for Europe and Managing Director of European Secretariat, ICLEI - Local Governments for Sustainability*
- ❖ MARK VAN STIPHOUT, *Deputy Head of Unit "New energy technologies, innovation and clean coal", Directorate General (DG) for Energy, European Commission.*

17.00 – Conclusion

ERIK BICHARD, *Salford University – USAL (UK)*

17.30 END OF THE DAY



DIRECTIONS TO THE VENUE

University Foundation - Universitaire Stichting - Fondation Universitaire

Egmontstraat / Rue d'Egmont 11 - 1000 Brussel / Bruxelles

Tel: +32/(0)2/545 04 00 - Fax: +32/(0)2/513 64 11

Public Transport - <http://www.stib.be>

The University Foundation is located just between two Metro Stations: *Troon/Trône* and *Porte de Namur/Naamsepoort* where both Metro **Line 2** and **Line 6** stop.

From Brussels Airport ZAVENTEM

- Regular [trains](#) (every 30 minutes) run between Brussels' Airport and Brussels' North, Central and Midi Train stations, from which you can get the metro.
- Bus N.12: from Monday to Friday until 8 PM - Bus N.21: after 8 PM and on weekends.

From Bruxelles-Midi / Brussel-Zuid Station

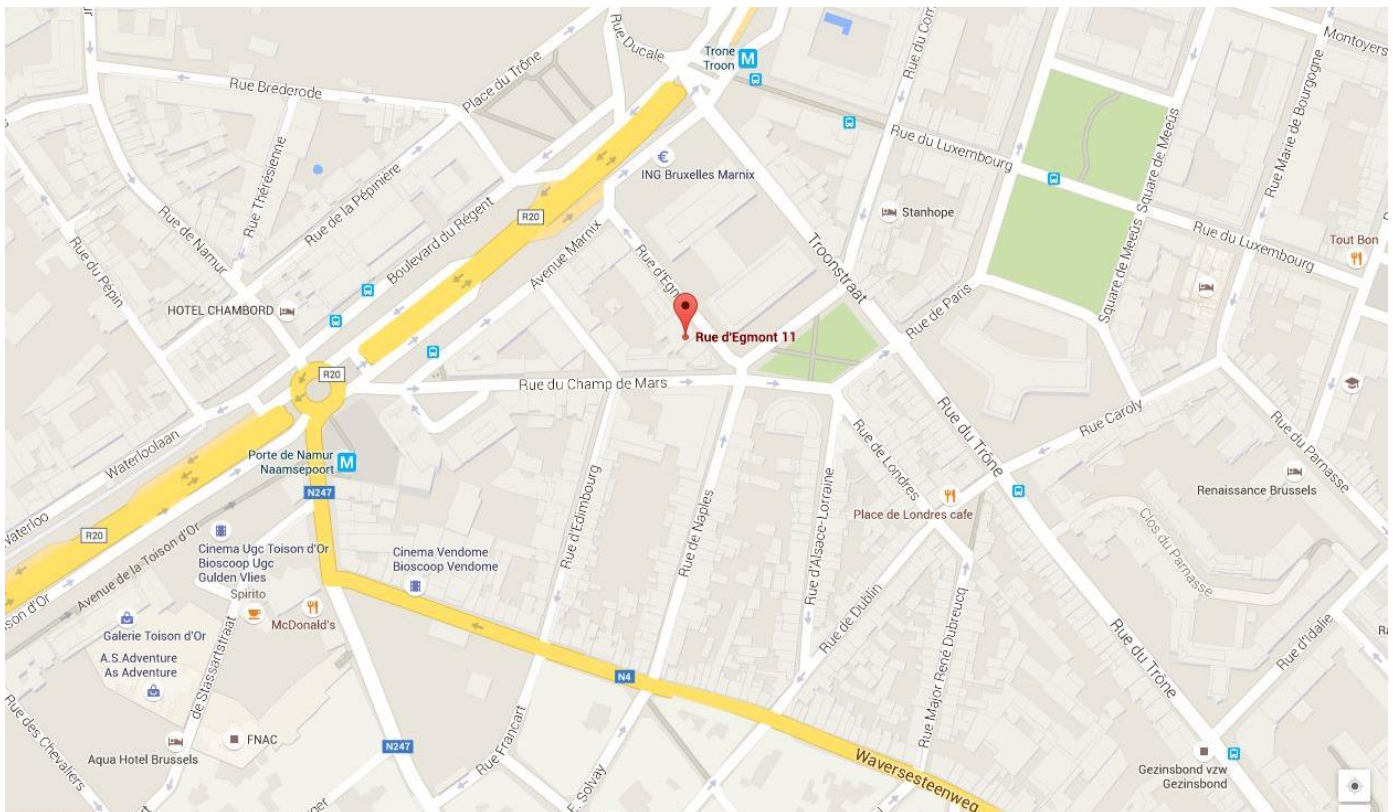
Metro **Line 2** or **Line 6** and get off at *Porte de Namur/Naamsepoort* or *Trône/Troon*.

From Brussels Central Station / Gare Central / Centraal Station

Metro **Line 1** or **Line 5**, change at Arts-Loi/Kunst-Wet and then take **Line 2** or **Line 6**.

From North Station / Gare du Nord / Noordstaion

Metro **Line 3** or **Line 4**, change at Rogier and then take **Line 2** or **Line 6**.



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For information, please contact:

info@milesecure2050.eu

federica.borio@polito.it

maresa.berliri@scienzecittadinanza.org

For registration, visit the [MILESECURE-2050 website](#).



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