



MILESECURE-2050

Multidimensional Impact of the
Low-carbon European Strategy of Energy Security, and
Socio-Economic Dimension up to 2050 perspective
SSH.2012.2.2-2 - G.A. 320169



MILESECURE-2050 Project Final Seminar

THE HUMAN FACTOR IN ENERGY TRANSITION & SECURITY TOWARDS 2050

*Multidimensional Knowledge,
Innovative Models, Effective Policies*

Brussels, December 15, 2015 - h. 9.00-17.30

University Foundation, 11, Rue d'Egmont - 1000 Brussels



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SYNOPSIS OF THE INTERNATIONAL SEMINAR

“Two major challenges are impending upon Europe’s energy future: the achievement of a **secure energy supply**, and a move from dependency on non-renewable to a reliance on **renewable energy sources**. The challenges call for **energy transitions**: changes that concern entire energy systems, not just some of their parts. These changes 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 the changes 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 involve enormous **social, political and economic** changes as well. Changes concern market relations, social and institutional roles and responsibilities, and the emergence of new actors. Most policy documents and future visions focus on economic, geopolitical and technological changes. Insofar as social processes are concerned, they are discussed at an aggregate and undifferentiated way: as a **human factor**, which is at best the receiver of policies and economic transactions, and at worst a residual category containing the overflows of economic and technological interventions. However, this human factor deserves more substantive attention: much more light is to be shed on **people** and the many roles they take.



People are an important resource of relevant **knowledge**. Because of the far-reaching consequences of energy transitions, it is vital to make use of the widest possible range of knowledge: not only technological and scientific expertise, but also local, practical and even tacit knowledge, knowledge created by civil society, and anticipatory perspectives on how socie-

ty should be organized. First, this wide range of knowledge is needed to identify problems and threats to secure and low-carbon energy provision. Second, it is needed to project and implement necessary changes. And third, it is needed to anticipate the wider consequences, both of the challenges addressed by energy transitions, and of the changes made by those very transitions.”

(Source: [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.



PROGRAMME

Tuesday, 15 December 2015

08.30 REGISTRATIONS

09.15 – 11.45 OPENING SESSION

Meeting Room Félicien Cattier (Ground Floor)

09.15 – 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, Fondation pour l'Environnement Urbain – FFUE (Belgium); 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, *Instytut Energetki – 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 – 17.15 WORKING SESSION

12.00 – Working Groups on Potentiality, Limits and Perspectives of MILESECURE-2050 Project

Working Group 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 on **Innovative Models**

(Meeting Room Emile Francqui – 1st Floor)

Facilitators: CHRISTOPHE CASSEN, MERIEM HAMDI-CHERIF, *Société de Mathématiques Appliqués et de Sciences Humaines – SMASH (France)*

Rapporteur: MARIA KASKA, *Instytut Energetki – IEn (Poland)*

Working Group on **Effective Policies**

(Meeting Room Félicien Cattier – Ground 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

Meeting Room Félicien Cattier, Ground Floor

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

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

- 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, EURO CITIES*
- FRANCESCO PROFUMO, *President of IREN, Former Italy's Minister of Education, University and Research*
- 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", (DG) for Energy, European Commission*
- ROBERTO ZANGRANDI, *Special Adviser, European Distribution System Operators for Smart Grids (EDSO)*

17.00 – Conclusion

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

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: *Trône/Troon* 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 week ends

From Bruxelles-Midi / Brussel-Zuid Station

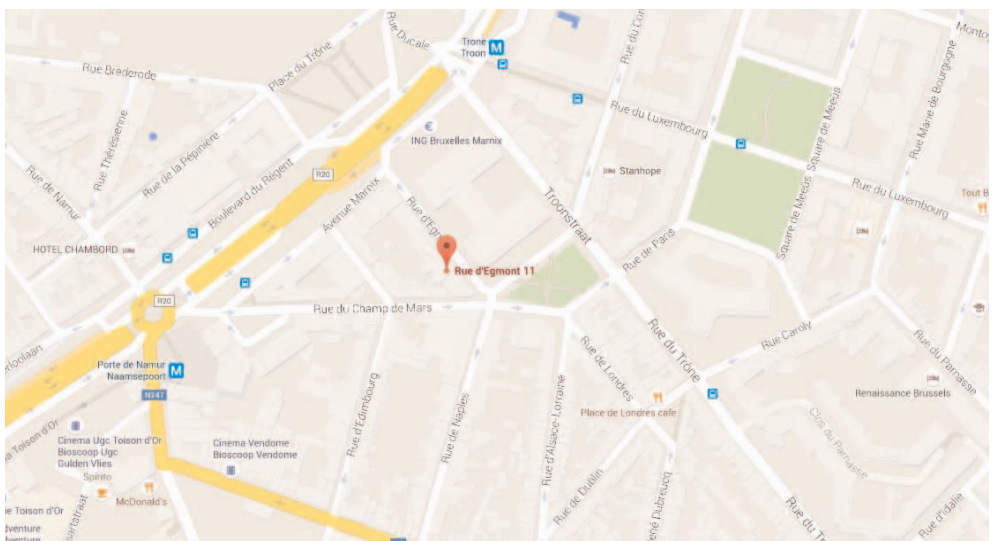
Metro [Line 2](#) or [Line 6](#) and get off at *Porte de Namur/Naamsepoort* or *Trône/Troon*.

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](#).



MILESECURE-2050 CONSORTIUM



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Maastricht University

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For registration, please visit the MILESECURE-2050 web site:
<http://www.milesecure2050.eu/>

For information on the initiative, please contact:
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