



Canada-EU Workshop on Energy Efficiency

Future-Proofing Buildings, Preparing the Workforce, and Creating Energy Smart Cities

March 3-4, 2020

Camsell Hall, 580 Booth Street, Natural Resources Canada
Ottawa, Canada

Workshop Agenda

Tuesday, March 3, 2020

8:30 am – 9:00 am **Welcome and Registration**

Opening Remarks

9:00 am – 9:30 am

- *Mollie Johnson, Assistant Deputy Minister, Low Carbon Energy Sector, Natural Resources Canada*
- *Klaus-Dieter Borchardt, Deputy Director General, European Commission*

Overview of Governance Matters Related to Buildings

This session will provide an overview of the governance and policy landscapes of energy efficiency in buildings and housing in Canada and the European Union to set the stage for conversations at the workshop.

9:30 am – 10:00 am

- *Paula Rey Garcia, Team Leader- Energy Efficiency in Buildings, Directorate General for Energy, European Commission*
 - *Joyce Henry, Director General, Office of Energy Efficiency, Natural Resources Canada*
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Future-Proofing Buildings for All: Policy Landscapes and Opportunities in the EU and Canada

10:00 am – 10:45 am

During this session, the EU will outline the main objectives of the *EU Green Deal* and the recently adopted *Clean Energy for All Europeans*, with a focus on the *Energy Performance of Buildings Directive* and the challenges of adapting the building stock to the impacts of climate change. Canada will speak to efforts to support climate adaptation and mitigation in the built environment.

- *Paula Rey Garcia, Team Leader- Energy Efficiency in Buildings, Directorate General for Energy, European Commission*
- *John Cuddihy, Director, Infrastructure and Environment, Policy and Results Branch at Infrastructure Canada – invited*

10:45 am – 11:15 am

Health Break

Future-Proofing Buildings for All: National Perspectives – Case Studies from European Countries

11:15 am – 12:30 pm

This session will focus on how EU Member States are implementing the legislative changes discussed in the previous session. Topics of discussion will include barriers, risk assessment tools, and support structures which the EU and national levels offer to local level. EU national experts will address questions such as:

- How to align long-term renovation strategies to the 2050 target of a highly efficient and decarbonised building stock and enable deep renovation?
 - How to move towards deep renovation: adapt nZEB to renovation, and how to “industrialise” building renovation?
 - How to use finance to stimulate deep renovation, including existing funding mechanisms?
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- *Chris Huges, Program Manager, Sustainable Energy Authority of Ireland*
 - *Rui Fragoso, Head of Building Sector, ADENE Energy Agency, Portugal*
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- *Yves-Laurent Sapoval, Conseiller du Directeur de l'Habitat, de l'Urbanisme de des Paysages au Ministère du logement et de l'habitat durable, France – invited*
 - *Rüdiger Lohse, Head of contracting, KEA Climate Protection and Energy Agency Baden-Württemberg, Germany*
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12:30 pm – 1:45 pm

Working Lunch

Speaker details to follow

1:45 pm – 3:15 pm

Breakout Sessions: Future-Proofing Buildings for All

To facilitate constructive dialogue and exchange of ideas, participants will be invited to interact with the morning presenters to discuss specific topics of interest.

3:15 pm – 3:30 pm

Health Break

3:30 pm – 5:00 pm

Preparing the Workforce to Build a Highly Efficient and Decarbonised Building Stock

Training the work force to deliver energy efficiency is a key element of the transition towards a low-carbon economy. This session will focus on Germany's *Energiewende* and how this plan is designing and introducing (re)training programs to transition to a low-carbon economy. A Canadian case study will explore efforts to increase and train the current workforce for energy efficiency opportunities in the built environment.

- *Sina Frank, DGB – German Trade Union Confederation – invited*
 - *More speakers to follow*
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8:30 am – 9:00 am **Registration**

Welcoming Remarks

9:00 am – 9:15 am

- *Joyce Henry, Director General, Office of Energy Efficiency, Natural Resources Canada*
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Energy End Use Data Analysis in Canada

9:15 am – 10:15 am

This session will provide an overview of energy end use data analysis conducted by the Office of Energy Efficiency at Natural Resources Canada. The MyHeat case study will be discussed to showcase how energy data is supporting nudge theory to incentivize energy efficiency upgrades.

- *Dr. Monika Forgo, Chief of Energy Efficiency Market Analysis, Office of Energy Efficiency*
 - *Dr. Maya Papineau, Assistant Professor, Carleton University*
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10:15 am – 10:45 am **Health Break**

Smart Cities and the Importance of Buildings as Smart Energy Hubs

10:45 am – 12:15 pm

The session will discuss initiatives to develop and implement smart building concepts, including the concept of smart cities and smart buildings (including the Smart Readiness Indicator), as well as examples from Canadian and European regions and cities to explore solutions to create energy positive, net zero energy urban neighbourhoods.

- *Dr. Ursula Ecker, Excellence Research Chair in Smart, Sustainable and Resilient Communities and Cities, Concordia University – invited*
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- *Stijn Verbeke, Senior Researcher, Energy Performance of Buildings, EnergyVille/VITO & University of Antwerp, Belgium*
 - *Rüdiger Lohse, Head of Contracting, KEA Climate Protection and Energy Agency Baden-Württemberg, Germany*
 - *Albert Engels, City of Rotterdam – invited*
 - *Julia Langer, CEO, The Atmospheric Fund*
 - *Smart Cities Challenge winner, Town of Bridgewater – invited*
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12:15 pm – 1:30 pm

Working Lunch

Rui Fragoso, Head of Building Sector, ADENE Energy Agency, Portugal

1:30 pm – 2:45 pm

The Role of Local Governments

This session will discuss the importance of cities in supporting the energy transition and meeting climate goals, as well as challenges in implementing them.

- *Stijn Verbeke, Senior Researcher, Energy Performance of Buildings, EnergyVille/VITO & University of Antwerp, Belgium*
 - *Rüdiger Lohse, Head of Contracting, KEA Climate Protection and Energy Agency Baden-Württemberg, Germany*
 - *Dr. Ursula Ecker, Excellence Research Chair in Smart, Sustainable and Resilient Communities and Cities, Concordia University - invited*
 - *Albert Engels, City of Rotterdam – invited*
 - *Micah Lang, Senior Green Building Planner, City of Vancouver*
 - *Amanda Martin, Lead, Energy Sector Development, Green Municipal Fund*
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2:45 pm – 3:15 pm

Health Break

3:15 pm – 4:30 pm

Wrap-Up Session: What We Can Transfer to the Canadian Context and Next Steps

This interactive session will provide an opportunity for workshop participants to ask any outstanding questions to the EU or Canadian representatives, and discuss how the EU's experience can be transferred to the Canadian context.

- *Abla Hanna, Senior Director, Office of Energy Efficiency, Natural Resources Canada*
- *Oliver Rapf, Executive Director, Buildings Performance Institute Europe (BPIE)*

Key Messages and Closing Remarks

4:30 pm – 5:00 pm

- *Paula Rey Garcia, Team Leader- Energy Efficiency in Buildings, Directorate General for Energy, European Commission*
- *Joyce Henry, Director General, Office of Energy Efficiency, Natural Resources Canada*



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