



IEPPEC Conference – Draft Agenda

*“Make the Paris agreement a reality
with effective evaluation for energy efficiency”*
7–9, June, 2016 — Conference
6 June, 2016 — Pre-Conference Workshops
Amsterdam

MONDAY, 6 JUNE

9:00–5:30
6:00

Pre-Conference Workshops
Rooftop Reception

TUESDAY, 7 JUNE

9:00–10:30

WELCOME AND OPENING PLENARY

FROM LOCAL TO GLOBAL, INSIGHTS ABOUT ENERGY TRANSITION AND THE ROLE OF MONITORING AND EVALUATION

Moderator: Mirjam Harmelink, Harmelink Consulting

- Abdeluheh Choho | Alderman of the City of Amsterdam
- Laetitia Ouillet | Director Corporate Strategy at ENECO
- Brian Motherway | IEA Head of Energy Efficiency Division



Abdeluheh Choho



Laetitia Ouillet



Brian Motherway

10:30–11:00

Morning Break

11:00–12:30

Concurrent Sessions

Auditorium

PANEL: MULTIPLE BENEFITS OF ENERGY EFFICIENCY: SETTING THE SCENE

Moderator: Charles Michaelis, Strategy Development Solutions Ltd.

- The Opportunity Provided by Multiple Benefits of Energy Efficiency and What Policymakers Need from Evaluation, Brian Motherway, IEA Head of Energy Efficiency Division
- Health Benefits from Energy Efficiency, Carlos Francisco Dora, World Health Organisation
- Using Multiple Benefits to Increase Energy Efficiency, Denise Mulholland, U S EPA

Panorama

QUESTIONING DATA

Moderator: Dominique Osso, EDF R&D

- When Can We Trust Ex-Ante Savings Estimates?, Daniel Cabrera, University of Geneva
- Refurbishment Effectiveness Assessment Based on Consumption Data from iESA Accounts, Filip Milojkovic, co2online
- Counterfactuals, Damned Lies, and Statistics: Impact Evaluation in the Era of Big Data, Emily Cross, Navigant

Theater

DEMAND RESPONSE: WHAT DOES IT DELIVER?

Moderator: Mirjam Harmelink, Harmelink Consulting

- Capturing Smart Meter Enabled Benefits in System-Wide Rollouts, Neil Lessem, Brattle
- What Have We Learned from Evaluations of Residential Peak Time Rebate Programmes in the U.S. over the Past Decade?, Steven Braithwait, Christensen Associates Energy Consulting
- Greenhouse Gas Reductions from Demand Response: Impacts in Three U.S. Markets, Frank Stern, Navigant
- Resource Flexibility to Support Renewables Growth and Grid Stability: The Potential for Demand-Side Resources, Stuart Schare, Navigant

Board Room

BUILDING ENERGY CODES: HOW TO ENSURE THEY DELIVER?

Moderator: Yamina Saheb, OpenExp

- Measuring the Impact of a Residential Energy Code, Ken Tiedemann, Research 4 Results
- How Energy Efficient are U.S. Homes, James Stewart, The Cadmus Group
- Methodology for Establishing the Potential Energy Savings from Improved Energy Code Compliance, Isaac Elnecave, Midwest Energy Efficiency Alliance

12:30–2:00

Lunch Break and Poster Discussions (for list of posters see Tuesday evening reception), Planning for Asia, Boardroom 1:00 pm, all welcome.

TUESDAY AFTERNOON, 7 JUNE

2:00–3:30	Concurrent Sessions
Auditorium	<p>EXPERIENCE DEVELOPING EVIDENCE ON THE MULTIPLE BENEFITS OF ENERGY EFFICIENCY Moderator: Catherine Cooremans, Geneva University and Jennifer Corry Smith, CLASP</p> <ul style="list-style-type: none"> • Life-Cycle Cost Analysis Provides Powerful Tool for Estimating Non-Energy Impacts of Energy Efficiency Measures in New Construction Programmes, Noel Stevens, DNV GL • Specific Risk Elements of Benefit Cost Tests: Sources and Remedies, Lisa Skumatz, Skumatz Economic Research Associates • Utility System Benefits of Energy Efficiency: Current Experiences in the U.S., Brendon Baatz, ACEEE • EM&V Roadmap to Quantifying Challenging Non-Energy Impacts, Marie Abdou, National Grid
	<p>USE OF BUILDING STOCK DATABASES IN POLICY DEVELOPMENT AND PROGRAM EVALUATION Moderator: Phil Degens, Energy Trust of Oregon</p> <ul style="list-style-type: none"> • Database Tools for Policy Development – Presenting Building Stock Renovation Programme Potentials through Energy Saving Cost Curves, Filippos Anagnostopoulos, Buildings Performance Institute Europe – BPIE • Building Capacity of Policy-Makers in South East Europe on the Modelling of Low Carbon Transformation of the Residential Building Stock, Aleksandra Novikova, Institute for Climate Protection, Energy and Environment • Use of Building Stock Databases in Policy Development, Aleksandra Arcipowska, Buildings Performance Institute Europe – BPIE
Theater	<p>FUEL POVERTY Moderator: Michael Reid, Databuild Research and Solutions Ltd.</p> <ul style="list-style-type: none"> • Who Lives in Cold Homes? A Comparison between Policy Eligibility Conditions and Results from Data Mining, Paolo Agnolucci, Institute for Sustainable Resources • Evaluating the Impact of Retrofit and Behaviour Change Interventions on Energy Efficiency in Low-Income Households, Melissa James, Commonwealth Scientific & Industrial Research Organization • Don't Be Late! Findings from Reported Perceptions and Complaints of Energy Efficiency Retrofits in Low-Income Housing in England, Ian Hamilton, UCL Energy Institute, Oberlin College
	<p>PANEL: PERSPECTIVES FROM THE GLOBAL SOUTH ON CAPACITIES FOR TRACKING PROGRESS OF ENERGY EFFICIENCY POLICIES AND MEASURES (PaM) AFTER PARIS Moderator: Harry Vreuls, RVO.NL</p> <p>To make climate change mitigation progress more visible, in Paris an enhanced transparency framework for action was agreed on. The purpose of this framework is to provide a clear understanding of climate change action including clarity and tracking of progress towards achieving countries' individual nationally determined contributions. Experts from Latin America, Eastern Europe and Asia will provide their views on their current approaches for keeping track of the progress of their PaMs. A discussion will follow on what type of support is needed in the field of energy saving and evaluation of policies and measures and what the preferred ways forward are to generate sufficient institutional capacity in the coming years.</p> <ul style="list-style-type: none"> • Rodrigo Ignacio Cabrera, Department of Climate Change, Ministry of the Environment, Mitigation Specialist • Álvaro Javier Soto, Chilean Agency of Energy Efficiency, Head of Division of Measurement and Verification • Kakhaber Mdivani – Chief Specialist at the Ministry of Environment and Natural Resources of Georgia. • Vuong Xuan Hoa, Head of Climate Change Mitigation Division, IMHEN
3:30–4:00	Afternoon Break and Posters
4:00–5:30	Concurrent Sessions
Auditorium	<p>INNOVATIONS IN THE EVALUATION OF MULTIPLE BENEFITS OF ENERGY EFFICIENCY Moderator: Jim Scheer, Sustainable Energy Authority of Ireland (SEAI)</p> <ul style="list-style-type: none"> • Developing a Non-Energy Benefits Indicator Framework for Residential and Community Energy Efficiency Programmes in New South Wales, Michael Reid, Databuild Research • Regional Efficiency Programme Evaluating Energy and Non-Energy Benefits: A Balance between Bill and Comfort and Far Beyond, Dominique Osso, EDF R&D • Widening the Perspective: An Approach for Evaluating the Multiple Benefits of the 2030 EU Energy Efficiency Potential, Felix Suerkemper, Wuppertal Institute for Climate, Environment & Energy

Panorama	<p>INDUSTRY Moderator: Christiaan Abeelen, RVO</p> <ul style="list-style-type: none"> • Evaluating the Potential Impact of the Introduction of an Energy Performance Assessment (EPR) in the Dutch Industry, Mirjam Harmelink, Harmelink Consulting • Design of an Evaluation Framework for Evaluating Voluntary Agreements on Industrial Energy Efficiency, Erwin Cornelis, VITO NV • International Experience with Energy Efficiency Policy: Implementation of Article 8 of the European Union Energy Efficiency Directive, Anke Brems, DNV GL
Theater	<p>PANEL: TARGET SETTING FOR ENERGY USE AND EFFICIENCY UP TO 2050 Moderator: Robert Harmsen, Utrecht University</p> <ul style="list-style-type: none"> • Defining Targets for Energy Use and Efficiency, Michiel Hekkenberg, Energy Center of the Netherlands • Role of Energy Savings in the 2030 Climate and Energy Policy Package, Yamina Saheb, OPENEXP • Interactions and Redundancy, Wolfgang Eichhammer, Fraunhofer ISI • Contribution to Climate Goals: Linkage with the INDCs - Detlef van Vuuren, IPCC/PBL Netherlands Environmental Assessment Agency
Board Room	<p>METHODS Moderator: Jean-Sébastien Broc, Broc Research & Consulting</p> <ul style="list-style-type: none"> • Estimating Lighting Program Impacts Using Self Report Surveys and Market Sales Analysis, Iris Sulyma, Research 4 Results • Riding the Momentum: Driving Efficiency Beyond Programmes, Jane Hummer, Navigant • Breaking Down Barriers: An Alternative Method to Measure Programme Influence, Kathryn Parlin, West Hill Energy & Computing, Inc. • A Random Walk To Savings: A New Modeling Approach Using a Random Coefficients Model and AMI Data, Steve Grover, Evergreen Economics
5:30–6:00	<p>Poster Networking Session Organized Networking Dinners</p>

- **Lessons Learned from Utility-Run Energy Efficiency Programmes in the U.S.** / Hae-In Cho, Institute for Environmental Sciences and Forel Institute, University of Geneva
- **Investment in Energy Efficiency, Adoption of Renewable Energy and Household Behaviour: Evidence from OECD Countries** / Prudence Dato, IREGE/ University Savoie Mont Blanc
- **Benefit-Cost Analysis of South African Residential DSM Campaigns** / Daniel de Canha, University of Johannesburg
- **Does Participation Foster Sustainable Energy Transformations? An Evaluation Concept to Measure Social Learning within Participation Processes** / Anna Ernst, Forschungszentrum Jülich
- **Off Grid Energy Convergence: A Sustainable Avenue for Community-Owned Rural Electrification in South Africa** / Luz Helena Hanauer, Wits University
- **Financing Energy Efficient Retrofit Schemes in Housing: Evaluating the Potential Contribution of New Funding Models Based on Revolving Funds** / Niall Kerr, Sustainability Research Institute, University of Leeds
- **China Renewable Energy Policy Adjustment After Paris Agreement** / Lan Li, MESPO (Joint program of Central European University, Lund University and Manchester University)
- **Behavioral Biases and Asymmetric Information's Risk and Role in Under Performing Energy Efficiency Programs for Buildings** / Lucie Martin-Bonnel, University of Strasbourg
- **Industrial Energy Efficiency in Post-2015 World** / Mile Mistic, Central European University/Lund University/University of Manchester
- **Policy Targeting of Free Advice to Encourage Energy Retro-fits** / Sebastian Petersen, Technical University of Denmark
- **Current Measure Lifetime Numbers are Really Weak: Priorities and Methods for Updates** / Lisa Skumatz, SERA
- **Quantifying Local Added Value of Heat Supply Systems**, Theresa Weinsziehr, Leipzig University
- **Big Research Brother is Watching Me – Dealing with Hawthorne Effects in Empirical Studies** / Verena Tiefenbeck, ETH Zurich

WEDNESDAY MORNING, 8 JUNE

8:30–9:00	Registration
9:00–10:30	Concurrent Sessions
Board Room	<p>ENERGY EFFICIENCY EVALUATION IN PRACTICE Moderator: Jamila van der Meulen, Energy Center of the Netherlands</p> <ul style="list-style-type: none"> • Of Blind Men and an Elephant: Disentangling Energy Efficiency Policy Results, Christiaan Abeelen, RVO.nl • How Evaluation is to be Used by the Audiences in the Utility in case of EGAT, Thailand, Kritika Rasisuddhi, Electricity Generating Authority of Thailand-EGAT • Energy Efficiency vs. Renewable Energy Policies within the German Energiewende: What Are the Distributional Implications for Households?, Katja Schumacher, Öko-Institute
Auditorium	<div style="display: flex; align-items: center; margin-bottom: 10px;"> ENERGY EFFICIENCY WATCH </div> <p>EVALUATION OF THE EU SPENDING PROGRAMMES TARGETING ENERGY AND CLIMATE ACTIONS Moderator: Aleksandra Novikova, Institute for Climate Protection, Energy and Mobility</p> <ul style="list-style-type: none"> • Evaluating EU Cohesion Policy Funding for Energy Efficiency Investments in Public and Residential Buildings Across EU Member States, Xavier Le Den, Ramboll Management Consulting • The Challenges of Ex-Post Impact Evaluation Without a Strong Dataset in the Context of Intelligent Energy Europe (Bioenergy Projects 2007-2013), Lisa Groves, Ricardo Energy & Environment • Evaluation of European FP6/7 Energy Research and Demonstration Projects, Andreas Ligtvoet, Technopolis Group
Panorama	<p>BEHAVIOUR 1 Moderator: Tina Fawcett, Environmental Change Institute</p> <ul style="list-style-type: none"> • Getting Started on a Car Diet: Assessing the Behavioural Impacts of an E-Bike Trial in Switzerland, Corinne Moser, ZHAW, Institute of Sustainable Development • How a Games-Centric Approach to Eco Education and Engagement Can Help Promote and Engender Energy Efficient Behaviours, Paula Owen, Green Gumption/eco action games • Evaluating Energy Culture: Identifying and Validating Measures for Behaviour-Based Energy Interventions, Rebecca Ford, SEE Change Institute
Theater	<p>PANEL: MULTIPLE IMPACTS—DEVELOPING AND COMMUNICATING A SHARED INTERNATIONAL PERSPECTIVE Moderator: Kevin Cooney, Navigant</p> <ul style="list-style-type: none"> • Sam Thomas IEA – meeting the needs of policy makers • Anca-Diana Barbu, EEA Europe – a conceptual framework • Michael Reid, Databuild Research and Solutions Ltd – communicating the results • Theresa Weinsziehr, Leipzig University
10:30–11:00	Morning Break and Posters
11:00–12:30	Concurrent Sessions
Panorama	<p>EVALUATION METHODS: REFLECTIONS AND PROPOSITIONS FOR THE EVALUATION COMMUNITY Moderator: Michelle McGuire, Databuild Research and Solutions Ltd</p> <ul style="list-style-type: none"> • Review of South Africa’s Solar Water Heater Rebate Programme, Karin Kritzinger, Stellenbosch University • The Theory of No Change, Christine Wörten, Arepo Consult • Learning from Evaluation in Other Sectors: Adjusting to the Changing Demands on Evaluation and Evaluators by Joining with Mainstream Evaluation, Keryn Hassall, ARTD Consultants
Theater	<p>STANDARDS AND LABELING PROGRAMME EVALUATION: A WORLD TOUR Moderator: Charles Michaelis, Strategy Development Solutions Ltd.</p> <ul style="list-style-type: none"> • Ex-Post Impact Evaluations of Appliance Standards and Labeling Programmes: A Global Review of Best Practices and Lessons Learned, Jennifer Corry Smith, CLASP • The New South African Standards and Labelling Programme for Residential Appliances: A First-Hand Evaluation Case Study, Thomas Götz, Wuppertal Institute for Climate, Environment & Energy • Measuring the Impact of India’s Standards and Labeling Programme, Neha Dhingra, CLASP • A Bottom-Up Prospective Impact Evaluation of China’s Accelerated Standards Development from 2010 to 2013, Nina Zheng Khanna, Lawrence Berkeley National Laboratory
Board Room	<p>MARKET MECHANISMS Moderator: Ken Tiedemann, Research 4 Results</p> <ul style="list-style-type: none"> • X-ray Picture of the Flemish CHP Certificate Scheme, Erwin Cornelis, VITO NV • Boosting the CDM: Insights on what makes Programmes of Activities Successful, Coraline Bucquet, Ecofys • Theory-Based Evaluation: Practical Experience from the UK Capacity Market, Elizabeth Steele, DNV GL



PANEL: ENERGY EFFICIENCY WATCH AND UPDATED EU POLICIES

Moderator: Felix Suerkemper, Wuppertal Institute for Climate, Environment & Energy

Panel debate: Are Member States on track to achieve their 2020 targets? What role should there be for the NEEAPs and evaluation in the revised EED?

- Rados Horacek, Energy Efficiency Unit, European Commission
- Tina Fawcett, Environmental Change Institute
- Stefan Thomas, Wuppertal Institute (Results of the Analysis of EU Member States' Energy Efficiency Policies Performed by the Energy Efficiency Watch Project)

Auditorium

12:30–2:00 Lunch Break and Posters, Planning for IEPPEC Academy, Boardroom 1:00 pm—all welcome.

WEDNESDAY AFTERNOON, 8 JUNE

2:00–3:30 Concurrent Sessions

BEHAVIOURAL CHANGE IN RESIDENTIAL, COMMERCIAL AND PUBLIC SECTORS

Moderator: Ed Vine, Lawrence Berkeley National Laboratory

- **Better Get Focused: How Feedback on a Specific Behaviour can Reduce Energy Consumption**, Verena Tiefenbeck, ETH Zurich
- **Is More Data a Smarter Choice? Benchmarking the Energy Impacts Associated with Smart Meter Feedback Programmes and the Techniques used to Evaluate Them**, Courtney Henderson, Illume Advising
- **Summative Behaviour Change Evaluation of Up-to-Date Metered Energy Feedback in European Public Buildings**, Leticia Ozawa-Meida, Institute of Energy & Sustainable Development, De Montfort University
- **Using Continuous Improvement to Assess a Multi-Faceted Behaviour Change Initiative for Businesses**, Linda Dethman, Research Into Action

Panorama



NATIONAL IMPLEMENTATION OF EU POLICIES

Moderator: Stefan Thomas, Wuppertal Institute for Climate, Environment and Energy

- **The Assessment of the Member States National Energy Efficiency Action Plans: Will the EU Reach the 2020 Target?**, Marina Economidou, European Commission
- **Evaluating the Implementation of Article 7 of the Energy Efficiency Directive**, Tina Fawcett, Environmental Change Institute and Jan Rosenow, University of Sussex

Auditorium

EVALUATION FRAMEWORK

Moderator: Ari Reeves, CLASP

- **Enabling an Evaluation Culture: A Roadmap for Building Evaluation Frameworks for National Climate Change Strategies**, Julia Larkin, IDEAS for Energy
- **Energy Efficient Prosperity: A New Concept for Emerging Economies**, Charles Michaelis, Strategy Development Solutions Ltd.
- **Energy Performance Evaluation Framework in South Africa**, Xianming Ye, University of South Africa

Board Room

PANEL: COST EFFECTIVENESS OF ENERGY SAVINGS

Moderator: Piet Boonekamp, Energy Center of the Netherlands

- Introductory presentation by Joost Gerdes, ECN (Disentangling Definition Issues in Determining the Costs of Energy Efficiency Measures)
- Wolfgang Eichhammer, Fraunhofer-ISI (Cost-effective Energy Savings Potentials in EU Countries)
- David de Jager, Ecofys (The Crucial Role of Discount Rates in EC Energy System Modelling)
- Representative of EC/DG ENER
- Christian Deconinck, Chairman of ATEE (Why Do Stakeholders Care About the Evaluation of Cost-Effectiveness of Energy Efficiency Policies: the Example of the EEPPEE Initiative)

Theater

3:30–4:00 Afternoon Break and Posters

4:00–5:30



PLENARY

EVALUATION AND EUROPEAN ENERGY EFFICIENCY & CLIMATE POLICES, WHAT IS NEW?

Moderator: Jean-Sébastien Broc, Broc Research & Consulting, France



Patty Fong

- Rados Horacek, Energy Efficiency Unit, European Commission
- Patty Fong, European Climate Foundation
- Monica Frassoni, President of the European Alliance to Save Energy
- Laurent Reber, EDF, Executive Vice President of the Development, Performance and Synergies Division



Monica Frassoni



Laurent Reber

5:30–6:30 SOCIAL TIME/NETWORKING

THURSDAY MORNING, 9 JUNE

	8:30–9:00	Continental Breakfast
	9:00–10:30	Concurrent Sessions
Auditorium		<p>PANEL: EVALUATING FINANCING AFTER PARIS Moderator: Ann Gardiner, Ecofys</p> <p>Now that the stage has been set through the international agreement on climate change negotiated in Paris, there are increasing commitments to climate finance. Policy makers want cost-effective, and innovative approaches that provide economic and social benefits while addressing climate change in developing countries. International funders are establishing more rigorous requirements for evaluation as initiatives get more complex, and increasingly include results-based financing for emission reductions.</p> <p>Panelists:</p> <ul style="list-style-type: none"> Christine Wörten, Arepo Consult Paddy Abbot, LTS International Julia Larkin, IDEAS for Energy
		<p>EX-POST EVALUATION Moderator: Kathleen Gaffney, Navigant</p> <ul style="list-style-type: none"> Energy Savings in Common Areas of Buildings, Jean-Luc Bertholet, University of Geneva Learning from the U.S. Department of Energy’s Large “Experiment” in Obtaining Comprehensive Building Retrofits, Marjorie McRae, Research Into Action Energy and Environmental Tax Evaluation: What Can Be Learnt so Far?, Leu Thomas, Zurich University of Applied Sciences, School of Management and Law
Theater		<p>ATTRIBUTION: HIGHWAYS AND BYWAYS Moderator: Iris Sulyma, Research 4 Results</p> <ul style="list-style-type: none"> Programme Attribution Analysis: Use of Self-Reports and Triangulation, Dan Violette, Navigant Improving Attribution Analysis through Trade Ally Research, Jane Hummer, Navigant How Have Energy Efficiency Standards and Labeling Policies Affected Product Manufacturers?, Ari Reeves, CLASP What Helped and How? A Case Study in Disaggregating Attributed Impact, John Fawcett, Databuild Research and Solutions Ltd.
Panorama		<p>MUNICIPAL/LOCAL PROGRAMMES Moderator: Linda Dethman, Research Into Action</p> <ul style="list-style-type: none"> Sowing Seeds and Promising a Harvest: Learning from the Delivery and Evaluation of a Local Sustainability Transition Initiative in the UK, Andrew Reeves, Institute of Energy and Sustainable Development, De Montfort University Evaluation of a Dutch Wind Farm: Lessons for National Onshore Wind Policies, Robert Harmsen, Utrecht University Local Co-Benefits and Adverse Side-Effects: The Perspective of Actors in German Small-Sized Cities, Theresa Weinsziehr, Leipzig University
Board Room		<p>MUNICIPAL/LOCAL PROGRAMMES Moderator: Linda Dethman, Research Into Action</p> <ul style="list-style-type: none"> Sowing Seeds and Promising a Harvest: Learning from the Delivery and Evaluation of a Local Sustainability Transition Initiative in the UK, Andrew Reeves, Institute of Energy and Sustainable Development, De Montfort University Evaluation of a Dutch Wind Farm: Lessons for National Onshore Wind Policies, Robert Harmsen, Utrecht University Local Co-Benefits and Adverse Side-Effects: The Perspective of Actors in German Small-Sized Cities, Theresa Weinsziehr, Leipzig University
	10:30–10:45	Morning Break
	10:45–12:30	<p>CLOSING PLENARY: THE FUTURE OF ENERGY USE: WHAT WILL INNOVATIONS CHANGE IN THE WAY WE USE ENERGY AND THE WAY WE EVALUATE ENERGY SAVINGS? Moderator: Christian Deconninck, ATEE</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>Philip Lawton</p> </div> <div style="width: 35%;"> <ul style="list-style-type: none"> Philip Lawton, UK Energy Systems Catapult Stuart Jeffcott, IEA 4E Alessandro Provaggi, Head of the DHC+ Technology Platform, Euroheat & Power Alice Franz, Energy & Environment Policy Officer at the European Builders Confederation </div> <div style="width: 30%;">  <p>Alessandro Provaggi</p> </div> <div style="width: 30%;">  <p>Alice Franz</p> </div> </div> <p>Most energy policies speak about transitions and call for innovations and changes, not only in terms of technologies, but also in terms of services, organisational forms, and behaviours. While the debates are often focused on the future of energy mix and infrastructure on the supply side, there are clear needs for change on the demand side in order to achieve energy and climate goals. The amount of research and innovation in this field is indeed increasing. These developments will likely raise new evaluation questions, or could also change the way to perform evaluations.</p>