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<tr>
<td>12.00–13.30</td>
<td><strong>PANEL 1. Policies and programmes to drive transformation</strong>&lt;br&gt;Session I: Understanding what really needs to be done and sharing the necessary knowledge</td>
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<td>1-072-20 IMPAWATT – Actions to improve the energy culture (1-072-20). Konstantin Kulterer</td>
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<td>1-124-20 No time to waste reinventing the wheel – introducing the concept of a pan-European interactive knowledge transfer platform for radical energy savings (1-124-20). Cédric Jeanneret</td>
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<td>1-138-20 What the industry needs from Energy Efficiency: Reflections on energy efficiency programs in food &amp; beverage sector (1-138-20). Adam Pawelas</td>
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<td>1-151-20 Five steps to decarbonisation Presented by Rod Jansen</td>
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<td><strong>PANEL 2. Sustainable production towards a circular economy</strong>&lt;br&gt;Session II: Geographical trigger for circularity and decarbonisation of industrial processes</td>
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<td>2-013-20 Overcoming the carbon lock-in: A techno-economic analysis of the Spanish cement sector Timo Gerres</td>
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<td>2-074-20 Utilization of Industrial and Agricultural By-Products in Blended Cement Mortars – Creating an Effort of Circular Economy in Indian Cement Industry Navdeep Singh</td>
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<td>2-137-20 Modelling circular economy action impacts in the building sector on the EU cement industry Matthias Rehfeldt</td>
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<td>2-029-20 Roadmap for climate transition of for building and construction industry – a supply chain analysis including primary production of steel and cement Johan Roostéen</td>
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<td>2-017-20 Working with sustainability in the insulation industry Soeren Nynge Rasmussen</td>
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<td>3-079-20 Understanding the impacts on the industrial operations from the adoption of energy efficiency measures: lessons learnt from Italian case studies Davide Accordini</td>
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<td>3-048-20 Human Factors for Energy Management: Features, Fit and Field Study Kely Smith</td>
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<td>3-099-20 Non-Routine Adjustments - Towards Standardizing M&amp;V Approach for Quantifying the Effects of Static Factors Shankar Eami</td>
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## Discussion

### 1-129-20
**White certificates in industry: M&V, additionality and global outcomes in the Italian scheme**
Dario Di Santo

### 2-125-20
**A multi-region representation of an automotive manufacturing plant with the TIMES energy model**
Senatro Di Leo

### 3-144-20
**Coaching – an effective model for energy efficiency in small and medium-sized industries**
Presented by Albin Carlén

### 1-140-20
**Evaluating the Polish White Certificate Scheme**
Tadeusz Skoczowski

### 2-096-20
**Adding Transparency to the Circular Flow of Batteries**
Sara Fatalhi

### 3-070-20
**Establishing energy efficiency in SMEs – energy management to enhance energy efficiency in day-to-day business**
Werner König

### 1-025-20
**Drawing Insights and Best Practices from Voluntary Energy Efficiency Agreements in Europe and the United States**
Andre de Fontaine

### 2-060-20
**How to create an open market for second life e-mobility batteries in stationary energy storages**
Reinhard Ungerböck

### 3-007-20
**How do companies decide on non-strategic energy efficiency issues? An in-depth study of the decision making process.**
Joachim Globisch

### 1-049-20
**Development of the Voluntary Agreements System in Ukraine**
Jakob Mau Pedersen

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### 1-021-20
**Valuing and communicating the multiple benefits of energy-efficiency projects**
Catherine Cooremans

### 2-023-20
**FROM GRAMS TO TONNES – Three Swedish initiatives on circular production and electric efficiency**
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#### Panel 1. Policies and programmes to drive transformation
**Session III: Taking the pulse of key industry programme approaches**

- **12.00–13.30 (parallel session)**
  - 1-129-20 White certificates in industry: M&V, additionality and global outcomes in the Italian scheme
    - Dario Di Santo
  - 1-140-20 Evaluating the Polish White Certificate Scheme
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#### Panel 2. Sustainable production towards a circular economy
**Session III: Path for circularity and decarbonization of manufacturing processes**

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    - Senatro Di Leo
  - 2-096-20 Adding Transparency to the Circular Flow of Batteries
    - Sara Fatalhi
  - 2-060-20 How to create an open market for second life e-mobility batteries in stationary energy storages
    - Reinhard Ungerböck
  - 2-037-20 A novel business model to reduce energy consumption in industrial automation
    - Elvira Rakova

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    - Presented by Albin Carlén
  - 3-070-20 Establishing energy efficiency in SMEs – energy management to enhance energy efficiency in day-to-day business
    - Werner König
  - 3-007-20 How do companies decide on non-strategic energy efficiency issues? An in-depth study of the decision making process.
    - Joachim Globisch

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**Session II: Electrification + new technologies and processes**

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  - 4-126-20 Opportunities to significantly expand & scale electrification of industrial processes
    - Edward Rightor
  - 4-108-20 Decarbonizing Swiss industrial sectors by process integration, electrification and traditional energy efficiency measures
    - M. Jibran S. Zuberi
  - 4-056-20 Ultra-Low Charge Ammonia Chillers for Energy Efficiency in Industrial Applications
    - Ammi Amarnath

#### Panel 1. Policies and programmes to drive transformation
**Session IV: Learning how to do it better through experience**

- **14.00–15.30 (parallel session)**
  - 1-150-20 Valuing and communicating the multiple benefits of energy-efficiency projects
    - Catherine Cooremans
  - 1-021-20 Review of regional energy efficiency policies towards industrial SMEs from within Europe
    - Ida Johansson
  - 1-058-20 DOW Low Carbon Utilities
    - Jason Lankford
  - 1-116-20 Low-carbon transition in steel industry: A competitive study between Iran and Sweden
    - Soma Rahmani

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  - 2-050-20 BAT benchmarking tools for industry
    - Ana Margió
  - 2-023-20 The energy of energy – analysis of different production processes of olefins
    - Markus Fritz
  - 2-084-20 Energy efficiency from farm-to-fork? On the relevance of non-energy benefits and behavioural aspects along the cold supply chain
    - Lisa Neusel
  - 2-051-20 Technology and material efficiency scenarios for a net zero UK steel sector
    - Alice Garvey
  - 1-147-20 Material and Resource Efficiency Potentials in the Aluminium Industry – prospects for increased circular economy and decarbonisation
    - Felipe Toro
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#### 9.30–11.45 Workshop arranged by IN4climate.NRW

**IN4climate.NRW – creating innovations for a decarbonised industry**  
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#### 12.00–13.30 (parallel session)

**PANEL 4. Technology, processes and systems**  
Session III: New technologies and processes

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<td>Requirements Engineering and Morphological Analysis of Adaptive Control</td>
<td>Raoul Larbi</td>
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<td>4-092-20</td>
<td>Double Transmission Double Expansion technology as method for reducing</td>
<td>Dominik Grybos</td>
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<td>12.00</td>
<td>4-109-20</td>
<td>Promising energy efficient technologies for industry still in R&amp;D –</td>
<td>Oliver Lisch</td>
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<td>12.00</td>
<td>4-155-20</td>
<td>Value chain-wide energy efficiency potentials of additive manufacturing</td>
<td>Andreas Pastowski</td>
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#### 12.00–13.30 (parallel session)

**PANEL 5. Business models and finance in the age of digitalisation**  
Session I: Innovative financing

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<tr>
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<td>EFFORCE: how blockchain technology can revolutionize energy efficiency</td>
<td>Jacopo Visetti</td>
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<td>12.00</td>
<td>5-059-20</td>
<td>Innovative approach to use standards in new business models block</td>
<td>Antonio Panviri</td>
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<td>12.00</td>
<td>5-069-20</td>
<td>Guaranteed and insured energy saving to boost EE investment by SMRs</td>
<td>Liva Miethke, Morais</td>
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<td>12.00</td>
<td>5-012-20</td>
<td>De-carbonisation, guaranteed: Realising affordable, equitable and</td>
<td>Winfried Braumann</td>
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#### 12.00–13.30 (parallel session)

**PANEL 6. Deep decarbonisation of industry – technologies, strategies & implications for policy, industry and research**  
Session I: The impact on the energy system and the need for infrastructure

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<tr>
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<td>6-098-20</td>
<td>Needs of electricity, hydrogen and carbon infrastructure for green</td>
<td>Frank Marten</td>
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<td>6-024-20</td>
<td>100% Renewable Energy for Austria's Industry: Strategy for the</td>
<td>Roman Geyer</td>
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<td>12.00</td>
<td>6-095-20</td>
<td>The ZEROCC project: towards zero CO2 emissions in the Norwegian and</td>
<td>Jan Kjelland</td>
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<td>6-063-20</td>
<td>Electrification of primary steel production based on ZIDERWIN process</td>
<td>Morgan Barberousse</td>
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**PANEL 3. Energy management – in real life**  
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<td>Integrating Energy Efficiency in investment process - Experience</td>
<td>Anders Svensson</td>
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<td>3-081-20</td>
<td>Quantifying non-energy benefits for energy-intensive industry – A case</td>
<td>Sofie Marton</td>
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<td>3-157-20</td>
<td>Energy management in the Norwegian sawmill industry</td>
<td>Marcus Olsson</td>
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<td>14.00</td>
<td>3-080-20</td>
<td>Identification of optimal measurement points for energy monitoring</td>
<td>Riccardo Bergamini</td>
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**PANEL 5. Business models and finance in the age of digitalisation**  
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<td>Components of chemical company Paris climate alignment</td>
<td>Nate Aden</td>
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<td>Risk Mitigation for Industrial Excess Heat Recovery projects</td>
<td>Cyrielle Borde</td>
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<td>14.00</td>
<td>5-146-20</td>
<td>Cooling as a Service: unlocking demand for clean and efficient</td>
<td>Thomas Motmans</td>
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<td>5-127-20</td>
<td>Financial Carbon Footprint: Calculating Financial Institutions’ Impact</td>
<td>Markus Kühler</td>
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Session II: The impact on the energy system and the need for infrastructure

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<td>Meta-analysis of industry sector transformation strategies in</td>
<td>Sascha Samadi</td>
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<td>Deep decarbonisation of the German industry via electricity or gas?</td>
<td>Tobias Fleiter</td>
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<td>GHG neutral pathways for the German chemical industry</td>
<td>Florian Ausfelder</td>
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<td>Assessment of transition pathways for the Nigerian cement sector</td>
<td>Maria Yetano</td>
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Magnus Andersson
6-086-20
Dynamics of Cross-Industry Low-Carbon Innovation in Energy-Intensive Industries
Annika Tönjes
6-094-20
How does the German manufacturing industry react to the calls to decarbonise?
Stefan M. Büttner
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Deep decarbonisation of iron and steel industry in the age of global supply chain - Issues and solutions
Xianli Zhu
6-035-20
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Bridging the gap: A platform to connect small industrial efficiency projects with the capital markets
Jürgen Fluch
6-045-20
Impact of carbon prices on fuel switching in the iron and steel industry
Chinedu M Nwachukwu
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White Certificate on electrical motor driven systems
Marc Berthou
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Industrial Production Model
Cyrielle Borde
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Lena Tholen
6-082-20
A European industrial development policy for prosperity and zero emissions
Lars J Nilsson
5-158-20
A New Model for Jointly Purchased Energy Services in Turkish Industrial Parks
Gokhan Kirkil
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Electrify everything! Challenges and opportunities associated with increased electrification of industrial processes
Johan Rootzén
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The Energy Efficiency Financial Institutions Group (EEFIG) as a catalyst for deep decarbonization
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Hydrogen technologies for a CO2-neutral chemical industry
Marius Neuwirth
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Industrial excess heat and district heating: potentials and costs for the EU-28 on the basis of network analysis
Ali Aydemir
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Designing and implementing a capacity building program dedicated to the financial community aiming to boosting energy efficiency investment in	
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Net-zero industries
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EU Taxonomy on sustainable economic activities - assessing the impact on corporate and industrial energy efficiency investments
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Study of decarbonated processes for ammonia and steel production using green hydrogen from electrolysis
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Efficient utilization of industrial excess heat for carbon capture and district heating
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Industrial excess heat and district heating: potentials and costs for the EU-28 on the basis of network analysis
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Industrial energy audits & energy efficiency in Europe
Enrico Biele
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Energy audits & Energy Efficiency in Europe: Enrico Biele (EnR IWG)
Petra Lackner (AIEA, Austria)
George Goumas (CRES, Greece)
Thomas Björkman or other representatives (SEA, Sweden)
Enrico Biele or other representatives (ENEA, Italy)
Conclusions and Q&A