

# Innovation in Industrial Carbon Capture Conference

*Industry working towards a 2-degree target featuring the LEILAC plant official ground breaking event*

Liège - Belgium  
7- 8 February 2018

## Day 1: High-level perspectives of industrial Carbon Capture in Europe

Time	Description
12:00	Registration and lunch
13:00	Welcome note - <i>Christoph Streicher, General Manager Cimenteries CBR S.A.</i>
13:05	<b>Post COP23 - the vision for Europe and its implementation</b> <ul style="list-style-type: none"><li>Supporting the development of CCS in Europe - View post-COP23 and latest on EU ETS and the Innovation fund - <b>EC DG Climate Action, Director Runge-Metzger</b></li><li>The importance of industrial emissions and carbon capture in the global climate challenge - <b>IEA, Dr Simon Bennett</b></li><li>Cement industry perspective - <b>HeidelbergCement, Dr Albert Scheuer, Member of the Managing Board</b></li><li>Lime industry perspective - <b>Lhoist, Jean Marbehant, VP Public Affairs &amp; member of EuLA Managing Board</b></li></ul>
14:05	<b>Panel discussion: Post COP23</b> What are the key challenges for EU industry to contribute to reaching climate change targets? <ul style="list-style-type: none"><li>– <i>Director Runge-Metzger, EC DG Clima</i></li><li>– <i>Dr Simon Bennett, IEA</i></li><li>– <i>Jonas Helseth, Bellona Europa</i></li><li>– <i>Dr Albert Scheuer, HeidelbergCement</i></li><li>– <i>Jean Marbehant, Lhoist</i></li></ul> <p><i>Moderated by Rob vd Meer, HeidelbergCement</i></p> <p><i>(2x5 min intro from new panellists, 30 min discussion, 10 min Q&amp;A)</i></p>
15:00	Refreshment break
15:20	<b>Role of innovation and company entrepreneurship</b> <ul style="list-style-type: none"><li>Importance of innovation to help future proof industry in Europe and role of Horizon2020 - <b>EC DG for Research &amp; Innovation, Jeroen Schuppers</b></li><li>Innovation case study - LEILAC overview - <b>Calix, CEO Phil Hodgson</b></li><li>Innovation in financing CCUS - <b>European Bank for Reconstruction &amp; Development (EBRD), Deputy Head Energy Efficiency &amp; Climate Change, Gianpiero Nacci</b></li><li>Enabling change – <b>HeidelbergCement, Jan Theulen</b></li></ul>

16:10	<p><b>Panel discussion 2: What is the role of technology innovation in driving deep decarbonisation of the cement and lime sectors?</b></p> <ul style="list-style-type: none"> <li>– Jeroen Schuppers, EC DG Research &amp; Innovation</li> <li>– Phil Hodgson, Calix</li> <li>– Jorge Pablo Garcia Garcia, CEMEX</li> <li>– Claude Lorea, CEMBUREAU</li> <li>– Eleni Despotou, EuLA</li> <li>– Gianpiero Nacci, EBRD</li> <li>– Dr Nils Røkke EERA/Sintef</li> </ul> <p>Moderated by Jaap Vente, ECN</p> <p>(4x2 min intro from new panellists, 30 min discussion, 10 min Q&amp;A)</p>
17:00	<p><b>Closing Remarks: Importance of the work being undertaken in the region</b> Frédéric Daerden, Député fédéral - Bourgmestre de la ville de Herstal</p>
17.10	<b>Official ground-breaking ceremony for LEILAC and networking</b>
18:00	Close
18:15	Optional: Depart for Networking Dinner at Le Cadran, Liège

## Day 2: Knowledge Exchange

Time	Description
08:30	<b>Arrival, registration and refreshments</b>
09:00	<p><b>Plenary presentations</b></p> <ul style="list-style-type: none"> <li>• Direct Separation and Oxyfuel technologies, progression and synergies - <b>CALIX, Mark Sceats &amp; ECRA, Volker Hoenig</b></li> <li>• Building a low carbon world - combined solutions for cement production - <b>BELLONA, Jonas Helseth</b></li> </ul>
10:00 – 10:45	<p><b>Decarbonization Fair</b> In a set-up designed for intensive discussions and knowledge exchange, you can choose your topic of interest. Each round takes 15 minutes and there will be 5 rounds with a short break in between.</p> <p><b>Booth 1:</b> LEILAC - LEILAC Project – Research and Development Overview - <b>CALIX, Mark Sceats</b>  <b>Booth 2:</b> Oxyfuel - Design of demonstration plant - <b>ECRA, Volker Hoenig</b>  <b>Booth 3:</b> CLEANER - Objectives + scope of Ca-Looping - <b>Politecnico de Milano, Prof M. Fantini</b>  <b>Booth 4:</b> Calix Direct CO2 Separation technology - future opportunities and challenges - <b>CALIX, Phil Hodgson</b></p>
<b>Break</b>	
11.00 – 11.30	<p><b>Booth 5:</b> LEILAC - CCS/CCU from an Energy Perspective – <b>ECN, Jaap Vente</b>  <b>Booth 6:</b> CCU - Accelerated carbonation of wastes - <b>CARBON8, Mark Orsbourn &amp; Colin Hills</b>  <b>Booth 7:</b> CCS - How to deploy without competitive suicide - <b>HeidelbergCement, Rob. vd Meer</b>  <b>Booth 8:</b> CCU - Carbonation by minerals CO2MIN - <b>RWTH Aachen, Hesam Ostovari</b>  <b>Booth 9:</b> CCS / CCU from NGO perspective - <b>Bellona, Keith Whiriskey/Jonas Helseth</b>  <b>Booth 10:</b> CCU by micro-algae; carbon footprint study - <b>HeidelbergCement, Jan Theulen</b>  <b>Booth 11:</b> CCS - Full chain - ROAD project lessons learnt - <b>ROAD, Dr Andy Read</b></p>

	Booth 12: A new European association to promote the development and market deployment of CCU solutions - <b>CO2 Value Europe, Damien Dallemagne</b>
11:30	<b>Plenary presentations</b> <ul style="list-style-type: none"> <li>• What role can a cement plant manager play in addressing upcoming CO2 challenges in industry? - <b>Julien Wart, HeidelbergCement</b></li> <li>• LEILAC - consortium closing remarks - <b>Phil Hodgson, Calix</b></li> </ul>
12:00	Take-away lunch
12:15	Optional: Depart for visit to Lixhe plant, the site for LEILAC demonstrator project