

## ECRA/CEMCAP/CLEANKER Workshop

### “Carbon Capture Technologies in the Cement Industry”

Brussels, Belgium, 17 October 2018

#### Agenda

<b>17 October 2018</b>	<b>Venue:</b> Representation of the State of North Rhine-Westphalia (NRW) to the European Union Rue Montoyer 47 1000 Brussels Belgium	
07:45	Registration, meet and greet	
<b>Morning</b>	<b>Room „Macke-Ernst“</b>	<b>Moderator:</b> <b>Martin Schneider</b>
08:30	Welcome address of the Representation of the State of North Rhine-Westphalia	<i>Ralf Kuder, Representation of NRW to the EU, Ministry of Economy NRW</i>
08:40	EU climate policy agenda; enabling the cement industry to contribute to climate protection in Europe	<i>Peter Liese, MEP</i>
09:10	Scientific key note: The role of research in realising CCS	Nils Røkke, SINTEF
09:40	ECRA’s cement carbon capture project	<i>Martin Schneider, ECRA</i>
10:00	Coffee break in <b>Room „Beethoven“</b>	
10:40	CEMCAP: Technological achievements and key conclusions	<i>Kristin Jordal, SINTEF</i>
11:00	CLEANKER: Technology, progress and project perspectives	<i>Martina Fantini, LEAP</i>
11:20	Poster session opening	<b>Moderator:</b> <b>Martina Fantini</b>
11:25	Poster pitches	<i>CEMCAP, CLEANKER and ECRA researchers</i>

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11:40	<p><b>Poster session in Room “Beethoven”</b></p> <p>Conclusions from CEMCAP research work packages on carbon capture technologies in the cement industry</p> <p>Calcium Looping capture in the cement industry, the CLEANKER project’s first year achievements</p> <p>ECRA’s research and development of cement carbon capture technologies and CO<sub>2</sub> reuse</p>	<p><i>CEMCAP researchers</i></p> <p><i>CLEANKER researchers</i></p> <p><i>ECRA CCS project</i></p>
12:20	Light buffet lunch, continued poster session and discussion in Room „Beethoven“	
<b>Afternoon</b>	<b>Room „Macke-Ernst“</b>	<b>Moderator:</b> <b><i>Kristin Jordal</i></b>
13:20	Technical key note: Industrial solutions for CO <sub>2</sub> capture and utilisation	<i>Georg Locher,</i> <i>thyssenkrupp Industrial Solutions</i>
13:40	Novel carbon capture and utilisation technologies, research and climate aspects	<i>Marco Mazzotti</i> <i>ETH Zurich</i>
14:00	CEMCAP techno-economic and retrofitability analysis	<i>Mari Voldsund, SINTEF</i>
14:20	Perspective on oxyfuel capture technology application in a cement plant	<i>Volker Hoenig,</i> <i>Johannes Ruppert, VDZ</i>
14:40	Calcium looping capture in the cement industry: CEMCAP conclusions	<i>Giovanni Cinti,</i> <i>Italcementi,</i> <i>Matteo Romano</i> <i>Politecnico di Milano;</i>
15:00	Coffee break and continued poster session in <b>Room „Beethoven“</b>	

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Afternoon	Room „Macke-Ernst“	Moderator:
15:40	Norcem Brevik CO <sub>2</sub> -capture project; Assessment of post-combustion technologies for cement plants	<b>Johannes Ruppert</b> <i>Per Brevik, Norcem Brevik</i>
16:00	Carbon capture in cement production and its reuse	<i>Remi Chauvy University of Mons</i>
16:20	Carbon capture storage and use for CO <sub>2</sub> mitigation in the cement industry – The public good of CO <sub>2</sub> infrastructure	<i>Jonas Helseth, Bellona Europa</i>
16:40	LEILAC: A third generation technology for CC	<i>Jan Theulen, HeidelbergCement</i>
17:00	Final discussion in plenum: Carbon capture technologies in the cement Industry	<b>Moderators:</b> <i>Rob van der Meer, HeidelbergCement, Nils Røkke, SINTEF</i>
17:40	Closing drink and continued discussion	
18:00	End of the workshop	