



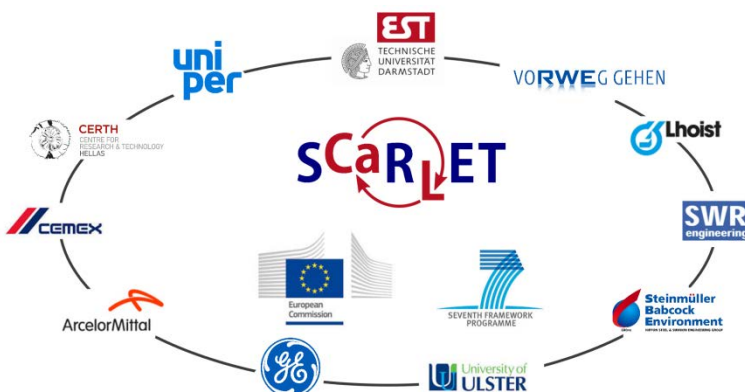
2nd Public SCARLET Workshop 23rd March 2017

TU Darmstadt – Otto-Berndt-Str. 2 – DE-64287 Darmstadt
Building L1|01 Room 73



Scale-up of Calcium Carbonate Looping (CCL) Technology for Efficient CO₂ Capture from Power and Industrial Plants

- 09:00 **Welcome,**
B. Epple (Technische Universität Darmstadt)
- 09:10 **Introduction to the SCARLET project**
J. Ströhle (Technische Universität Darmstadt)
- 09:20 **Long-term CCL pilot testing in 1 MW_{th} scale**
J. Hilz (Technische Universität Darmstadt)
- 10:00 **Coffee break**
- 10:20 **Scale-up of CCL to a 20 MW_{th} pilot plant**
C. Weingärtner (GE Carbon Capture GmbH)
- 11:00 **CFD simulation of 20 MW_{th} CCL pilot plant reactors**
M. Balfe (GE Carbon Capture GmbH), A. Stroh (Technische Universität Darmstadt), A. Nikolopoulos (CERTH)
- 12:00 **Lunch break**
- 13:00 **Full-scale reference power and industrial plants**
D. Peralta-Solorio (Uniper Technologies Ltd), G. Wiechers (RWE Power AG), A. Pita (CEMEX Research Group AG)
- 13:30 **Thermodynamic assessment of full-scale CCL integration scenarios**
M. Haaf (Technische Universität Darmstadt)
- 14:15 **Economical and environmental assessment of full-scale CCL integration scenarios**
Y. Huang, A. Rolfe (University of Ulster)
- 15:00 **Coffee break**
- 15:20 **Introduction to the H2020 project CEMCAP**
K. Jordal (SINTEF)
- 15:50 **Open discussion, recommendations for future developmental work of CCL and concluding remarks**
J. Ströhle (Technische Universität Darmstadt)
- 16:10 **Visit of the 1 MW_{th} CCL pilot plant**
- 17:00 **End of workshop**



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Collaborative project SCARLET
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