



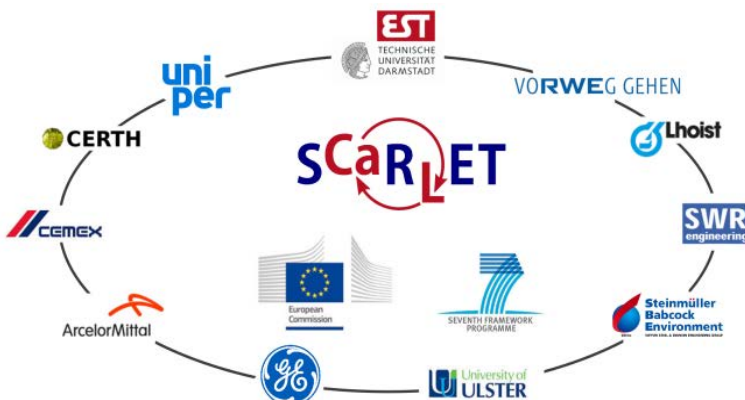
1st Public SCARLET Workshop 20th April 2016

TU Darmstadt – Otto-Berndt-Str. 2 – DE-64287 Darmstadt
Building L4|02 Room 05



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

09:00	Welcome
09:10	Introduction to the SCARLET project, <i>J. Ströhle, Technische Universität Darmstadt</i>
09:20	Experiences from La Pereda pilot plant, <i>J. C. Abanades, Spanish Research Council CSIC-INCAR</i>
10:00	Long-term pilot testing in 1 MW _{th} scale with hard coal, <i>J. Hilz, Technische Universität Darmstadt</i>
10:30	Coffee break
10:50	Long-term pilot testing in 1 MW _{th} scale with lignite, <i>M. Helbig, Technische Universität Darmstadt</i>
11:20	Analysis of sorbents from pilot testing, <i>J. Emmerich, Lhoist Recherche et Développement</i>
11:40	In-bed flow pattern measurements, <i>A. Daikeler, Technische Universität Darmstadt</i>
12:00	Open discussion on operational experience
12:30	Lunch break
13:15	Development and validation of a CCL process model, <i>M. Haaf, Technische Universität Darmstadt</i>
13:45	CCL reactor simulation with the discrete element method, <i>A. Stroh, Technische Universität Darmstadt</i>
14:15	CCL reactor simulation with the two-fluid model, <i>N. Nikolopoulos, Centre for Research & Technology Hellas</i>
14:45	Open discussion on model development
15:00	Coffee break
15:15	Scale-up of CCL to a 20 MW _{th} pilot plant, <i>C. Weingärtner, GE Carbon Capture GmbH</i>
15:30	Presentation of H2020 project LEILAC, <i>P. Cobden, Energy research Centre of the Netherlands</i>
15:45	Future work , open discussion and concluding remarks
16:00	Visit of the CCL 1 MW _{th} pilot plant
17:00	End of workshop



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Collaborative project SCARLET

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The workshop is hosted by:
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