

decarbonisation of cement production and thermo-chemical storage of solar energy.

This special session was an ideal conclusion of the EU - Au workshop hosted by the ASCENT consortium and held in Lausanne on the 16 November 2016 where the initial results within the EU-Australia cooperation were presented.

ASCENT consortium



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Newsletter 19th February 2018 - Final meeting

As part of the grant 608512, the **final meeting** of the project *Advanced Solids Cycle with Efficient Novel Technologies* (ASCENT: www.ascenTproject.eu), funded by the European Commission (EC) has been held at the Technical University of Eindhoven on the 23-24 January 2018.

This meeting was a good opportunity to draw conclusions on learned lessons.

The Consortium has continued to set a high priority on material manufacturing and modelling in the last months of the project. Measures to improve the quality of material have been highly effective with rapid progress. The main topics addressed during the meeting were focused on management, cooperation with Australian partners and technical aspects of the project. The meeting had the primary objective to review the progress of the project as a whole and within each single work package. To this end, the event has been divided into two rounds: in the first day, general considerations have been given in order to keep the consortium informed on the progress of the project with regards to the material manufacturing and select the protocol at industrial scale for producing the material to test in the proof-of-concept. The second day of the event was focused mainly to the results obtained in the reactor modelling activities and in the pre-proof reactors using the selected materials to be tested in

the forthcoming proof-of-concept tests under industrially relevant conditions.



Presentations
from the final
meeting

The final event was also a good chance to think about the future.

A special session was dedicated to the Australian cooperation where the Executive Director of Calix Limited Australia, Eng. Mark Sceats, has reported the latest results within the EU-Australia collaboration. The main outcomes of the twinning actions in the last months were on modelling and experimental activities. Prof Dianne Wiley and Dr Min Ho from the University of Sydney have contributed on the technical and economic assessment of the ASCENT technologies whereas Dr May Lim from University from New South Wales and Dr Khokan Majumdur from Calix Limited Australia have contributed on sorbent development using nano-active precursors.



Special
session on
Australian-EU
cooperation

The aim of this session at the Eindhoven meeting was strengthening national capacities to monitor and assess progress towards a sustainable work and to encourage regional initiatives on the exploitation of low-carbon technologies. Indeed, the collaboration between Australia and Europe is continuing within other projects, Leilac and Socratecs, where the Calcium Looping (CaL) process investigated in ASCENT has been used respectively for the