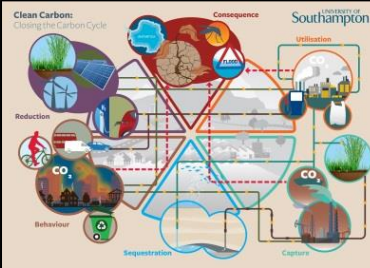


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September 2016 (Issue 4)



Following an August break to recharge our batteries and attend numerous conferences, this issue reflects on the various events that have taken place over August and September!

CLEAN CARBON News Release – talks and conference presentations

CARBON REDUCTION/CAPTURE: 'Sustainable energy, carbon capture and storage'

Professor Tao Wang (right) and **Professor Mengxiang Fang** are members of The State Key Laboratory of Clean Energy Utilization (CEU) at the University of Zhejiang, which focuses on energy and environmental research. The main areas of focus include: Efficient and Clean Utilization of Fossil Fuel; New and Advanced Energy Systems; Clean Utilization of Low Grade Energy; Pollutants Formation, Transmission, Measurement and Control during Energy Utilization; and Numerical Simulations in Multiphase Reaction Systems.

The talk initiated interesting discussions amongst delegates in attendance and collaborations between the University of Zhejiang and Clean Carbon are underway, including plans for a joint conference sometime next year... so watch this space!



CLEAN CARBON Spotlight on... Dr James Dyke



Watch our latest short-film interview with James as he discusses the current status of research on Climate Change: <http://tinyurl.com/jevfgk8>

CARBON DATING for your diary

5 Oct 2016, 12:00-17:00

CLEAN CARBON Sandpit

Theme-crossing research proposals
Formulating discussions for upcoming
EU bids

Info: <http://tinyurl.com/zog9we>

19 Oct 2016, 14:00-17:00

CLEAN CARBON Showcase

Utilisation and Sequestration:
**Professor Robert Raja & Professor
Doug Connelly**
2 talks showcasing Clean Carbon
research

Info: <http://tinyurl.com/zrl83wm>

TBC – postponed until the New Year

CLEAN CARBON Meets...

Professor Jon Gibbins, Director of UK
Carbon Capture and Storage
Research Centre (UKCCSRC)

Info: <http://tinyurl.com/hmm3scr>

New to Clean Carbon and would like to join? Please complete the application form: <http://tinyurl.com/CC-appl-form> – all are welcome, including students or those outside the University.

CARBON CAPTURE/SEQUESTRATION: Southampton led projects presented at the UKCCSRC conference



Clean Carbon's Jonathan Bull presented at the UKCCSRC's Autumn 2016 Biannual, *Making the Case for CCS* which was held in Edinburgh at the University of Edinburgh's John McIntyre Conference Centre on Wednesday 14 - Thursday 15 September 2016. He presented an overview

on the two recent awarded EU and NERC projects: [STEMM-CCS](#) and [Characterisation of major overburden leakage pathways above sub-seafloor CO₂ storage reservoirs in the North Sea \(CHIMNEY\)](#), respectively. Juerg Matter and Lindsay-Marie Armstrong also attended to establish the current status within the fields of carbon capture and storage.

Photos courtesy of the [UKCCSRC](#)



CARBON UTILISATION: Clean Carbon members at the International Conference on Carbon Dioxide Utilisation (ICCDU) 2016

Dr Pier Sazio and postgraduate student William Webb attended the fourteenth three-day [International Conference on Carbon Dioxide Utilisation](#), was held in the UK for the first time this year, at the University of Sheffield's new engineering building, The Diamond (right), where the three conference themes were: 'CO₂ Splitting', 'CO₂ Insertion' and 'Enabling technologies'.



CARBON REDUCTION: Visiting lecture: Novel techniques for reducing the acid value of pre or post blended feedstock of rubber seed oil and crude palm oil

We welcomed Associate Prof Dr Suzana Yusup from the Universiti Teknologi PETRONAS who presented her research into a novel integrated blending system encompassing a pre-treatment cavitation reactor that reduces the high fatty acid content from crude palm oil and rubber seed oil before feeding into a main base catalytic reactor.

CLEAN CARBON Publication Spotlight

- * Painter, S.; et al. (2016) [Carbon exchange between a shelf sea and the ocean: The Hebrides Shelf, west of Scotland](#). *Journal of Geophysical Research: Oceans*, 121, (7), 4522-4544
- * Jiménez, J.; et al. (2016) [Impacts of sea-level rise-induced erosion on the Catalan coast](#). *Regional Environmental Change*, 1-26
- * Payo Garcia, A.; et al. (2016) [Projected changes in area of the Sundarban mangrove forest in Bangladesh due to SLR by 2100](#). *Climatic Change*, 1-13.
- * Hands, S. and Hudson M. (2016) [Incorporating climate change mitigation and adaptation into environmental impact assessment: a review of current practice within transport projects in England](#). *Impact Assessment and Project Appraisal*, 1-43.

Event you want to advertise to the masses? We can incorporate any upcoming carbon and climate change events on our events calendar to reach the 130+ members of our community. Email fmc@soton.ac.uk