

NEWSLETTER

Visit our website: http://www.southampton.ac.uk/cleancarbon

June 2016 (Issue 2)

Upcoming events

18 Jun 2016 17:00-21:00

Highfield, Bld 46

Climate Conversations & UoS: Film Showing - This Changes **Everything (Naomi Klein)**

Filmed over 211 shoot days in nine countries and five continents over four years, This Changes Everything is an epic attempt to re-imagine the vast challenge of climate change.

More info and tickets: http://tinyurl.com/jchxsrs

19 Oct 2016 14:00-17:00

Venue TBC

CLEAN CARBON Showcase

Dr Robert Raja & **Dr Doug Connelly**

Utilisation and Sequestration:

2 talks showcasing Clean Carbon research

More info:

http://tinvurl.com/zrl83wm

18 Nov 2016 15:00-17:30

Venue TBC

CLEAN CARBON Meets..

Professor Jon Gibbins Title: TBC

External presentations and attendances

presented Sally Brown 'Adaptation Futures' in Rotterdam, from the RISES-AM- project

Robert Nicholls presented his research into coastal subsidence from the RISES-AM- project at the 2nd International Workshop in Coastal Subsidence, Venice

Pier Sazio and Lindsay-Marie Armstrong attended the recent Policy Exchange: "Rethinking CO₂: how can we put it to use?" which emphasised the need for CO₂ conversion into useful products



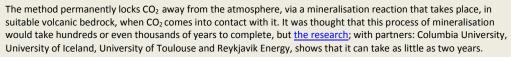
Upcoming multidisciplinary event and seminars that you would like to advertise to the wider carbon community? Email fmc@soton.ac.uk

CLEAN CARBON HEADLINE

Southampton scientists are reducing climate change: turning CO2 into rock

University of Southampton researcher Dr Juerg Matter, who is Associate Professor in Geo-engineering at Southampton's National Oceanography Centre, is the lead author on a study, published today in the distinguished peer reviewed journal Scientist, which describes a method of taking CO2 captured from the atmosphere, and turning it into solid rock.

The study shows how the CO₂ can be safely sequestered by mixing it with water and injecting it into basaltic rocks.



"The overall scale of our study was relatively small," says Dr Juerg Matter, who leads the 'Sequestration' research theme for the University's Clean Carbon strategic research group. "So, the obvious next step for CarbFix is to upscale CO2 storage in basalt. This is currently happening at Reykjavik Energy's Hellisheidi geothermal power plant, where up to 5,000 tonnes of CO2 per year are captured and stored in a basaltic reservoir."

More info: http://tinyurl.com/zwga8xf

CLEAN CARBON News Release

First Clean Carbon Showcase

Our first Clean Carbon showcase event kicked off with great success. 34 academics and researchers welcomed Professors Robert Nicholls (left) and Patrick James (right) who presented their research on mitigating and adapting to climate change in coastal areas; and technologies to allow behavioural change to save energy, respectively. A lively panel discussion also welcomed Dr Milena Buchs and Dr Sally Brown, who offered their expert insight into issues relating to the consequences and behaviours associated with carbon. Don't miss the next one, details left!!



Prestigious speaker lined up for our Clean Carbon launch event

On Friday 25th November we will host out first large scale Clean Carbon event for internal and external members, along with guest speaker Professor Jon Gibbins. There are very few in the field of carbon who have not heard his name before as he is the Director of the UK CCS Research Centre and Professor of Power Plant Engineering and Carbon Capture at the University of Sheffield. Although the fine details will be finalise in the forthcoming weeks we do know that the event will host a PGR/ECR "Quickfire" poster event; Professor Mark Spearing, PVC Research, will open and chair the guest speaking event and Q&A session, followed by a wine reception.

For more details and to book onto the event: http://tinyurl.com/hmm3scr

"What on Earth is that???"

Here is a snap shot of an image taken from one of our researchers.

Can you guess what it is?

Find out if you are right here: http://tinyurl.com/j944tbn

Bad news: there are no prizes!!

Good news: send us something and we'll post it too!



CLEAN CARBON Publication Spotlight

- Adam, E.; et al. (2016) A systematic assessment of maritime disruptions affecting UK ports, coastal areas and surrounding seas from 1950 to 2014. Natural Hazards, 1-23
- Matter, J.; et al. (2016) Rapid carbon mineralization for permanent disposal of anthropogenic carbon dioxide emissions. Science, 1312-1314
- Sanchez-Arcilla, Agustin, et al. (2016) A review of potential physical impacts on harbours in the Mediterranean Sea under climate change. Regional Environmental Change, 1-14.

How can we provide more support for our PGR community?

- Multidisciplinary networking events?
- Poster presentation sessions?

Please forward this newsletter to your PGR students and ask them to email fmc@soton.ac.uk.

We want to arrange a networking event to find out what they need and what we can do to support them and further their careers.

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