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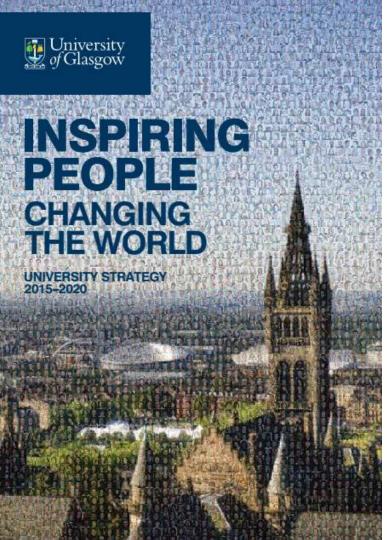






WORLD CHANGERS WELCOME





Internationalisation strategy

- Internationalise curricula
- Foster multicultural community
- Expand international placements
- Grow outward mobility
- Worldwide partnership
 - Staff exchanges
 - Strategic partnerships with prestigious institutions

+ 200 institutions worldwide Member of : *Universitas 21* The Guild of European Research-intensive Universities

In Brazil the College of Science and Engineering Strategic and supported partners are: UNESP: UFRJ: UNICAMP: **UFMG**





Energy at Glasgow:

Building on the 'tradition' of oil exploration, with the ambition of becoming a totally fossil fuel-free country (Scotland) by 2050

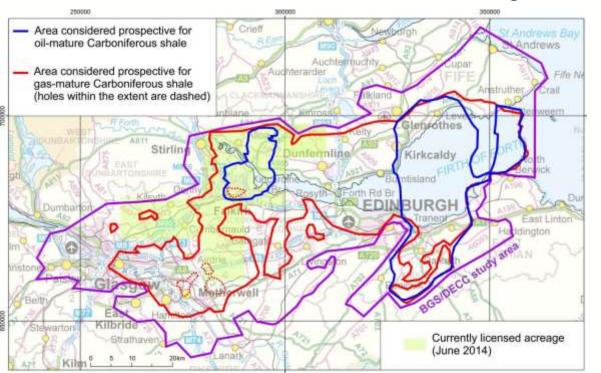
Non-comprehensive examples from the College of Science and Engineering



Unconventional oil and gas reservoirs

Eamon McKenna (PhD student),

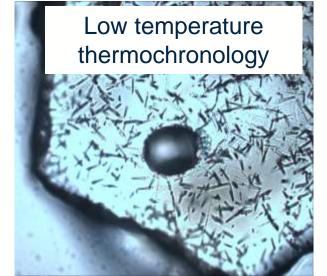
Cristina Persano, Alison Monaghan













Carbon landscapes Prof. Susan Waldron and her research group (School of Geographical and Earth Sciences)



How environmentally friendly are wind farms?







What is balance between

Decrease of CO₂ emission due to wind farm increase of CO₂ into the athmosphere caused by the taking away the peat? www.carbonlandscapes.co.uk



Carbon landscapes Prof. Susan Waldron and her research group (School of Geographical and Earth Sciences)



Amazonia: sources and sinks of CO₂ in the Amazon Basin



In collaboration with two Brazilian Universities



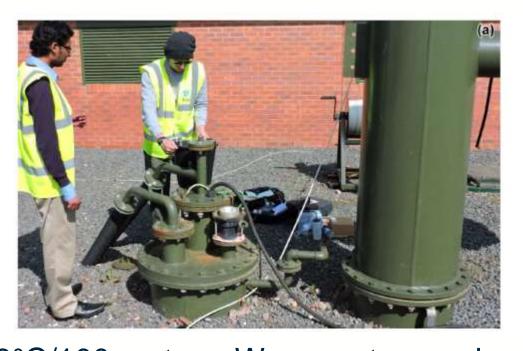
Geothermal energy: utilizing the warm waters in the flooded mines







Dr Neil Burnside and his group



Water increase its T by 1-3°C/100 metres. Warm water can be pumped out and used to pre-heat



CO₂ storage: how to seal the fractures





Dr John MacDonald

Calcite is the mineral that seals the fractures; but how compacted it is?



Weathered granites as unconventional oil reservoirs









Dr Katarzyna Luszczak

Building a numerical model (a software) that predicts the presence of potential reservoirs in weathered granites