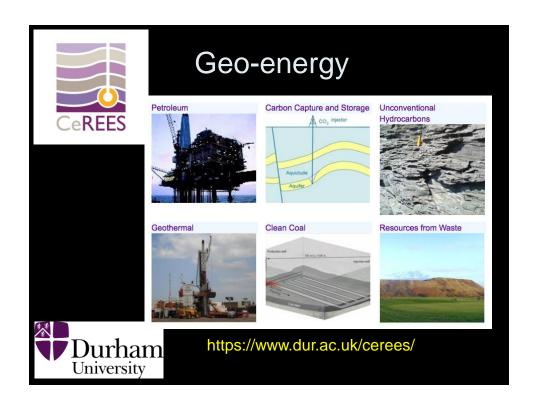


Course aims

Exploration of how geology controls energy "If you can't grow it, it has to be mined"

Explanation of the research process: Which data should we use?

Not answers, but better-informed debate Will we change our minds?



Week 1: Introduction

What do we need to consider?
How do we collect data?
Course overview
Discussion
Resources

WARNING!

No class next week

Extra class after final week? (would be March 17th)

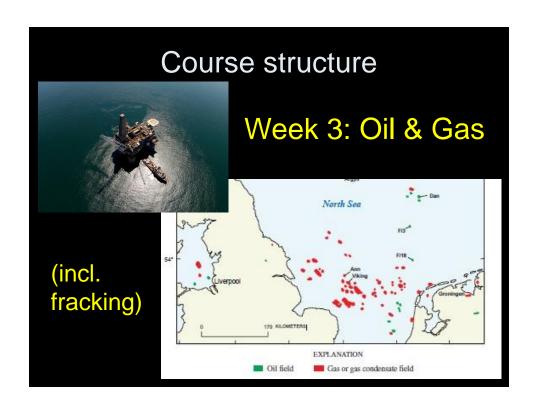
Or two 3-hour classes?

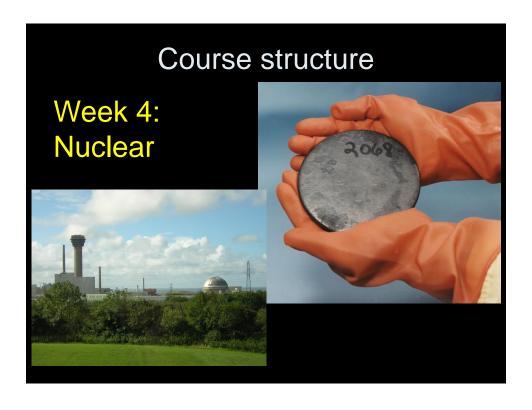
Course structure

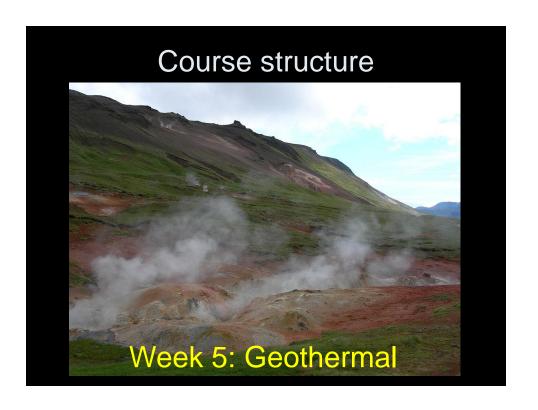


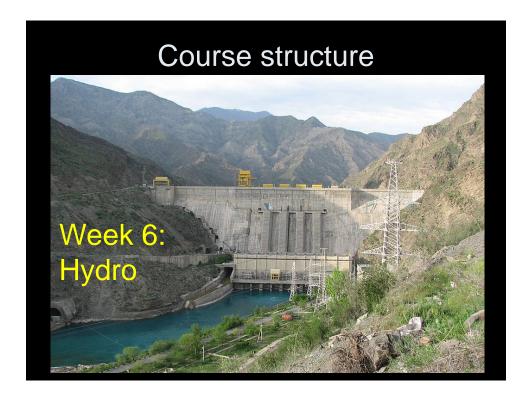
Week 2: Coal

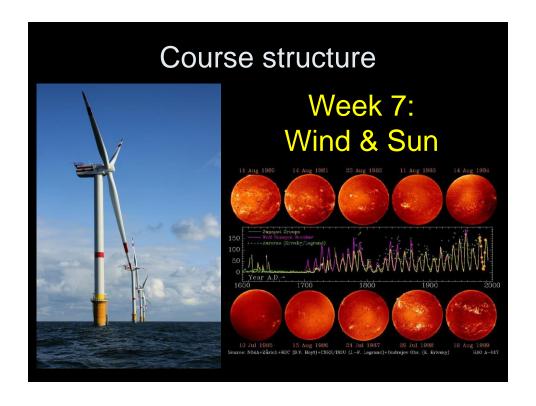


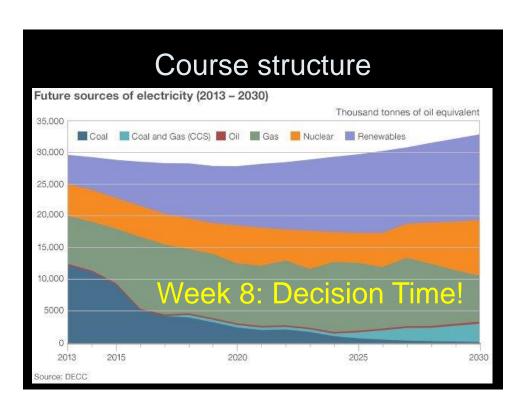


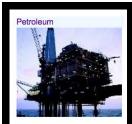












Considerations?



What factors need to be taken into account?



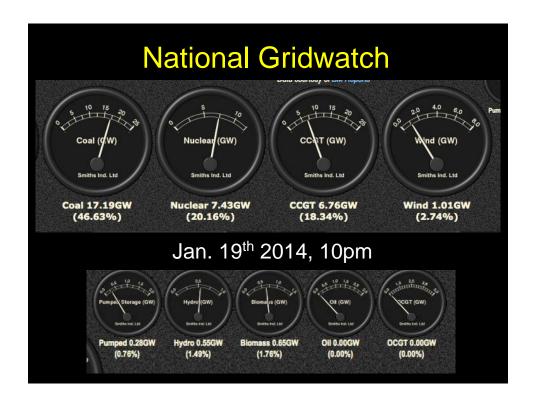


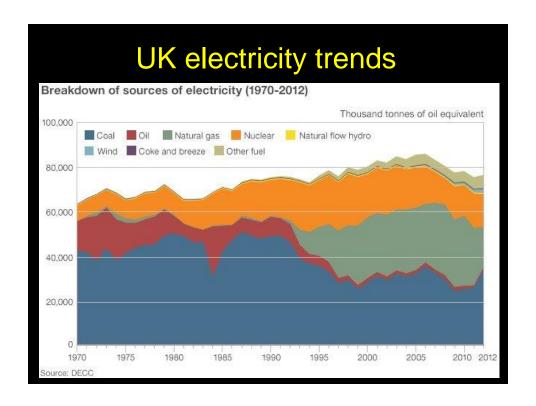
Structure of each class

- 1) Brief intro
- 2) For v Against discussion
- 3) My lecture
- 4) Jury decision

Your thoughts?

- What powers the UK?
 Coal, oil, gas, nuclear, geothermal, hydro, wind, solar
 Rank them 1-8
- 2) What should power the UK?
 Rank them again by preference



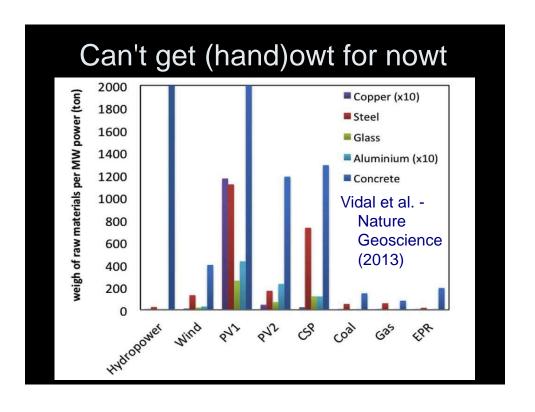


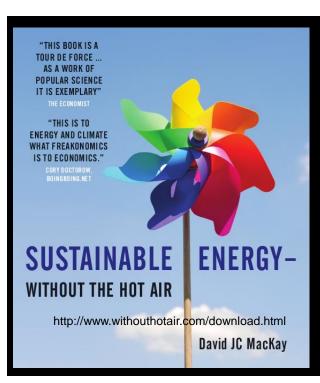
My thoughts

Fossil fuels popular, polluting, cheap
Nuclear not that bad
Renewables the future, but complicated
Need full fuel footprints
Integrate diversity of energy sources
Exploit local sources
Reduce consumption

Resources?

How can we make informed decisions?





Sustainable Energy Without The Hot Air

Download

The Hat of Random Energy

Judgement

5 x FOR

5 x AGAINST

6 x NEUTRAL (jury)

Will change every week

Next class: Coal

FOR – make an argument in favour of coal

AGAINST – make an argument against

Is it part of our future energy mix?

Resources

www.fossilhub.org / lgh865@hotmail.com

IEA: http://www.iea.org/

USGS: www.usgs.gov

BGS: www.bgs.ac.uk

DECC: www.gov.uk



York Uni resources

Library access

Tours can be arranged: Vanya Gallimore (Academic Liaison Librarian)



FINAL REMINDER

No class next week

Extra class after final week? (would be March 17th)

Or two 3-hour classes?

STOP PRESS!

"Unconventional Energy"
Yorkshire Geological Society meeting

http://www.yorksgeolsoc.org.uk/Circulars/584.pdf

Saturday 25th January, 2pm start, Hancock Museum, Newcastle.