

Learning from experience

Doug Angus
Associate Professor,
University of Leeds



energy

Education

Geological Sciences, Queen's University

- B.Sc. Geophysical Engineering
 - 50% geology (mineralogy, petrology, structure)
 - 50% maths, physics and geophysics
- M.Sc. Applied Seismology
 - Microseismics
 - Consulting: mining industry
- Ph.D. Theoretical Seismology
 - Seismic waves in complex media

Post-graduate

Physics, NMSU

- Imaging lithosphere

Earth Sciences, University of Bristol

- Integrated reservoir characterisation
- Imaging lithosphere
- Theoretical seismology

Earth & Environment, University of Leeds

- Integrated reservoir characterisation
- Carbon capture and storage



energy

Person specification (p1)

1. Track record

- Publish: over 30 peer reviewed papers
- Quality: REF submission and impact case studies

2. Leadership:

- Educate: project supervision (UG, MSc and PhD)
- Service: director of Research Impact
- Funding: PI on £2M RCUK grants and col on £2M JIP
- Innovate: developed novel applications integrating hydro-mechanics, geophysics and geodesy

3. Broad research activities

- Integration: geophysics, rock physics, geomechanics and geodesy
- Multidisciplinary approach and engagement with 'external' stakeholders



energy

Person specification (p2)

4. Potential ambassador and advocate for CCS
 - EPSRC scoping workshops and member of UKCCSRC
 - Invited to join FP7 CO₂ storage proposal lead by Oslo
 - Invited 'academic' partner for 2 of the 4 DECC £1B competition
 - Associate Editor for Geophysical Prospecting
5. Ability to inspire and maximize potential in others
 - Supervision: post-graduate and PDRA supervision
 - Leadership: School REF Impact Statement
6. Demonstrates communication and interpersonal skills
 - Coordinated several workshops and meetings
 - Leading several research groups within the School (Applied Geoscience) and University (CCS subtheme for CIER)
 - Completed University course on teaching in HE institutes



energy

Advice

- Don't be doing your PhD 5 or 10 years on
 - It gets boring
 - Funding will dry up
 - Innovate
- Get involved and out there
 - Reviewers like to put faces to names
 - Opportunities don't come to your desk
- Be a 'yes' person
 - No one wants to work with a pessimist
 - Opportunities don't always come along at the most ideal times
- Be confident but humble
 - Stand your ground but don't hesitate to ask for help when needed



energy