

Portfolio for

Professor Andrew Plater

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Sections

Publications

Intercomparison of the Charnock and CORE bulk wind stress formulations for coastal ocean modelling

Published Date August 2013

Primary Author Brown J M

Publication Type Conference Proceeding / Conference Paper

Is Published Yes

Journal Ocean Science (V: 9, #: , Pg.: 721-729)

Observations of the swash zone on a gravel beach during a storm using a laser-scanner (Lidar)

Published Date 2013

Primary Author Almeida L P

Publication Type Journal Article / Review

Is Published Yes

Journal Journal of Coastal Research (V: SI 65, #: SI 65, Pg.: 636-641)

Observations of gravel beach dynamics during high energy wave conditions using a laser scanner

Published Date 2014

Primary Author Almeida L P

Publication Type Journal Article / Review

Is Published Yes

Journal Geomorphology (V: 228, Pg.: 15-27)

Fate and pathways of dredged estuarine sediment spoil in response to variable sediment size and baroclinic coastal circulation

Published Date 2014

Primary Author Brown J M

Publication Type Journal Article / Review

Is Published Yes

Journal Journal of Environmental Management (V: 149, Pg.: 209-221)

The depth-varying response of coastal circulation and water levels to 2D radiation stress when applied in a coupled wave-tide-surge modelling system during an extreme storm

Published Date 2013
Primary Author Brown J M
Publication Type Journal Article / Review
Is Published Yes
Journal Coastal Engineering (V: 82, Pg.: 102-113)

Response of wave-dominated and mixed-energy barriers to storms

Published Date None/Unknown 2014
Primary Author Masselink G
Publication Type Journal Article / Review
Is Published Yes
Journal Marine Geology (V: 352, Pg.: 321-347)

Swash zone morphodynamics of gravel and mixed sand and gravel beaches during energetic wave conditions

Published Date 2014
Primary Author Almeida L P
Publication Type Conference Proceeding / Conference Paper
Is Published Yes

Response of wave-dominated and mixed-energy barriers to storms

Published Date 2014
Primary Author Masselink G

Publication Type Journal Article / Review
Is Published Yes
Journal Marine Geology (V: 352, Pg.: 321-347)

Modelling storm hydrodynamics on gravel beaches with XBeach-G

Published Date 2014
Primary Author McCall R T
Publication Type Journal Article / Review
Is Published Yes
Journal Coastal Engineering (V: 91, Pg.: 231-250)

Collaborations and Partnership

Collaboration Title Flood risk assessment for Magnox sites

Partner

Organisation Name Magnox Electric Plc
Department Hazards
Contributed Financially Yes
Contribution Currency GBP United Kingdom Pound
Contribution Amount 40000
Contributed in-kind Yes
Contribution Currency GBP United Kingdom Pound
Give an estimate of the in-kind value. 9000

Contributions Made	Flood risk modelling
Partner Contributions	Specification for flood risk modelling. Feedback on methodology. Provision of tide gauge data.
Year Commenced	2014
Year Ended	Still Active
Resultant Outcomes	Summary report in production.
Categorise the impact of this collaboration or partnership	No impact yet
Formally Governed	No
Collaboration Title	Radar survey
Partner	
Organisation Name	Marlan Maritime Technologies
Department	Marlan Maritime Technologies
Contributed Financially	No
Contribution Amount	Yes
Contributions Made	Liaison with local authority, land owners and MoD regarding permissions to set up survey. Setting the operational requirements of the radar survey.
Partner Contributions	Design, construction of operation of radar survey.
Year Commenced	2012
Year Ended	Still Active
Resultant Outcomes	None as yet.
Categorise the impact of this collaboration or partnership	Economic
Formally Governed	No
Collaboration Title	Sandscaping scoping study
Partner	

Organisation Name Crown Estate
Department Energy and Infrastructure
Contributed Financially No
Contribution Amount Yes
Contributed in-kind GBP United Kingdom Pound
Contribution Currency 5000

Organisation Name Environment Agency
Contributed Financially No
Contribution Amount No
Contributed in-kind GBP United Kingdom Pound

Organisation Name Royal HaskoningDHV
Department Rivers, Deltas and Coasts
Contributed Financially No
Contribution Amount No
Contributed in-kind GBP United Kingdom Pound

Organisation Name The National Grid Co plc
Contributed Financially No
Contribution Amount No
Contributed in-kind GBP United Kingdom Pound

Organisation Name Natural England
Department Land Use: Strategy & Environmental Specialist Services
Contributed Financially No
Contribution Amount No

Contributed in-kind	GBP United Kingdom Pound
Organisation Name	British Geological Survey
Department	No
Contribution Currency	No
Contribution Amount	GBP United Kingdom Pound
Organisation Name	National Oceanography Centre
Department	Coastal Ocean Processes (COP)
Contributed Financially	No
Contribution Amount	No
Contributed in-kind	GBP United Kingdom Pound
Contributions Made	a. Provision of flood risk assessment using LISFLOOD-FP for Dungeness Foreland, b. Particle-tracking model for Dungeness Foreland to scope different sandscaping options.
Partner Contributions	Provision of expert knowledge of sandscaping options, guidance on regulatory framework, linkage to stakeholder community
Year Commenced	2014
Year Ended	Still Active
URL	http://www.nerc.ac.uk/funding/application/howtoapply/awards/2014/environ-risks-outcomes.pdf
Resultant Outcomes	Ongoing
Formally Governed	Yes

Further Funding

Funding Scheme Environmental Risks to Infrastructure Innovation

	Funding call (KE Scheme)
Organisation Name	Natural Environment Research Council (NERC)
Type	Research grant (including intramural programme)
Funding Currency	GBP United Kingdom Pound
Funding Amount	46210
Reference Number	NE/M008061/1
Start Year	2014
End Year	2015
Funding Scheme	Impact Acceleration Account
Organisation Name	Engineering and Physical Sciences Research Council (EPSRC)
Type	Research grant (including intramural programme)
Funding Currency	GBP United Kingdom Pound
Funding Amount	40000
Start Year	2014
End Year	2014
Funding Scheme	EPSRC Waves Across Shore Platforms (WASP)
Organisation Name	Engineering and Physical Sciences Research Council (EPSRC)
Type	Research grant (including intramural programme)
Funding Currency	GBP United Kingdom Pound
Funding Amount	262735
Reference Number	EP/L025191/1
Start Year	2014

End Year	2016
Funding Scheme	University of Stirling: two awards of 0.5 FTE match funding for project PhD studentship
Organisation Name	University of Stirling
Type	Studentship
Funding Currency	GBP United Kingdom Pound
Funding Amount	60000
Start Year	2013
End Year	2016

Engagement Activities

Activity Title	Plater (2012)b. Making a case for action and thriving local economies resilient to climate change
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Keynote/Invited Speaker
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2012
Main purpose	To stimulate thinking
How many people?	51 - 100
Result Description	Invited Presentation and Discussion on developing collaborations between Higher Education, SMEs, Local Authorities and Government Agencies at the Defra Climate Ready Event: Climate Resilient Cities – Linking Research to Practice.
Impact Description	Further discussion with Liverpool City Council and

	Liverpool City Region LEP. Subsequent discussion with Roger Street (UKCIP) regarding future research agenda for ARCC (and other) co-ordination networks.
Most important impact?	Plans made for future related activity
URL	http://www.arcc-network.org.uk/climate-resilient-cities-linking-research-to-practice/
Activity Title	Plater (2012)a. Numerical modeling of coastal change and resilience: Decision support for climate change adaptation
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Keynote/Invited Speaker
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2012
Main purpose	To share information
How many people?	101 - 500
Result Description	Invited Conference Presentation at the International Symposium on Climate Change and Human Activities: Coastal Consequences and Responses. State Key Laboratory for Estuarine and Coastal Research and East China Normal University, Shanghai, China, 28-31 October 2012. Conference presentation on the ARCoES modelling framework.
Impact Description	Shared ARCC framework, i.e. close collaboration with stakeholders in addressing environmental problems and pressures, with Chinese colleagues.
Most important impact?	Not aware of any impact.
URL	http://ccha.sklec.ecnu.edu.cn/picture/article/62/1f/f4/6a404f304e1ba82a5eaa20f1950f/9199d8a0-87f4-4d3c-89f4-b73679d530ae.pdf

Activity Title	Plater, A (2012) Adaptation and Resilience of Coastal Energy Supply (ARCoES) in ARCC newsletter
Activity Type	A magazine, newsletter or online publication
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Media (as a channel to the public)
Activity Years	2012
Result Description	ARCC-CN Newsletter (e-publication), December 2012, Issue 9.
Impact Description	None recorded
URL	http://www.arcc-network.org.uk/wordpress/wp-content/Newsletters/ACN-news-Dec12.pdf
Activity Title	Fabók, M (2013) Nuclear power futures: Processes, epistemic communities and agency
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	Yes
Description	RGS-IBG Postgraduate Mid-term conference
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2013
Result Description	Conference presentation at the RGS-IBG Postgraduate Mid-term conference, University of Birmingham, 25-27th March 2013. Conference presentation of progress of social science research on energy transition.
Impact Description	Not applicable
Activity Title	Prime, T (2013) Physical, Operational and Economic Resilience of Coastal Energy Networks
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No

Presentation Type	Paper Presentation
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2013
Main purpose	To share information
How many people?	11 - 50
Result Description	Conference Presentation at YCSEC (Young Coastal Scientists and Engineers Conference) 2013, 25-26th March, University of Aberdeen. Conference poster on ARCoEs project studentship research into long-term coastal flood risk at nuclear power station sites 50 Young Coastal Scientists and Engineers attended a 2 day conference to exchange knowledge about each other's research and stimulate discussion. Dissemination and networking with academics and engineering practitioners
Impact Description	Activity provided experience in giving presentations, and experiences other young scientists work. Also provides opportunities to network and develop career relationships for future work.
Most important impact?	Plans made for future related activity
Activity Title	Masselink, G (2013) A week in the life of a storm chaser
Activity Type	A magazine, newsletter or online publication
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Media (as a channel to the public)
Activity Years	2013
Main purpose	To share information
Result Description	Narrative account of ARCoES (and other project) coastal storm monitoring being undertaken by the mobile coastal response unit from the University of Plymouth. http://www.newscientist.com/article/mg21729092.800

-a-week-in-the-life-of-a-storm-chaser.html. Summary of a week of storm monitoring for lay audience.

Impact Description	None recorded
URL	http://www.newscientist.com/article/mg21729092.800-a-week-in-the-life-of-a-storm-chaser.html
Activity Title	Sneddon, C (2013a) Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Paper Presentation
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To share information
How many people?	51 - 100
Result Description	Conference presentation at COGER (Co-ordinating Group for Environmental Radioactivity) 2013, 3-5th April 2013 Loughborough University,. I presented the work I was planning to undertake and this stimulated interest in ARCoES
Impact Description	None recorded
Most important impact?	Decision made or influenced
Activity Title	Fabók, M (2013) Nuclear power futures: Towards an understanding of agency
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	Yes
Description	SPRU (Science and Technology Policy Research Unit)
Presentation Type	Paper Presentation

Geographical Reach	International
Primary Audience	Postgraduate students
Activity Years	2013
Result Description	Conference presentation at the SPRU (Science and Technology Policy Research) DPhil Day, University of Sussex, 1 May 2013. Conference presentation on the progress of social science research looking at energy transitions.
Impact Description	None recorded
Activity Title	Brown, J M (2013) Coastal storm impacts (at Shelf Seas Workshop, Mexico)
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To share information
How many people?	11 - 50
Result Description	Workshop presentation at the (at Shelf Seas Workshop, Mexico). Researchers from the UK, Brazil, USA and Mexico met to share research interests relating to shelf sea science.
Impact Description	A proposal for new research proposal is in preparation involving collaboration between UK and Mexican researchers
Most important impact?	Increase in requests for further information.
Activity Title	Brown, J M (2013) Wind stress: Which formulation for coastal applications?
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No

Presentation Type	Poster Presentation
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To share information
How many people?	11 - 50
Result Description	Poster :- Wind stress: Which formulation for coastal applications? Discussion during the poster session developed ideas for a publication Poster presentation given at the European Geosciences Union General Assembly (EGU), Vienna, Austria, 7-12 April 2013. In the Oceanography at coastal scales: Modelling, coupling and observations session.
Impact Description	More ideas contributed to the publication that followed.
Most important impact?	Plans made for future related activity
URL	http://www.ocean-sci.net/9/721/2013/os-9-721-2013.html
Activity Title	Masselink, G (2014). XBeach-G: a tool for predicting gravel barrier response to extreme storm conditions. EGU
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Conference presentation at EGU, Vienna, Austria. (abstract EGU2014-1095)
Impact Description	No notable impacts recorded as yet

Most important impact?	Increase in requests about (further) participation or involvement.
URL	http://meetingorganizer.copernicus.org/EGU2014/EGU2014-1095.pdf
Activity Title	Amoudry (2013). A comparison of structured and unstructured grid model performance in the Irish Sea. CERF and Shelf Seas workshop
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To share information
How many people?	51 - 100
Result Description	Presented information to international colleagues, which stimulated discussion and questions. (Oral presentation at Conference of the Coastal and Estuarine Research Federation (CERF), San Diego, CA, 3-7 November 2013. In the General session on hydrodynamics and sediment dynamics in estuaries and coastal seas session).
Impact Description	General networking, no specific impacts.
Most important impact?	Increase in requests for further information.
Activity Title	Amoudry (2014). Structured and unstructured grid model performance in the Irish Sea. Marine Sciences SIG
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014

Main purpose	To share information
How many people?	11 - 50
Result Description	Poster presentation. Approximately 50 people attended a special interest group to discuss coastal ocean processes. Questions and discussion with academics in other institutions.
Impact Description	A colleague at another institution agreed to host me for a week to learn specialised information about a model, and to share model setup files.
Most important impact?	Plans made for future related activity
Activity Title	Brown J.M. (2013) Seminar: Credible evidence for decision support. (NOC – Southampton series)
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	Regional
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To share information
How many people?	11 - 50
Result Description	Approximately 15 researchers and data managers attended the seminar
Impact Description	The channel coastal observatory were interested in the use of data for scientific research
Most important impact?	Not aware of any impact.
Activity Title	Brown et al. (2014). Convenors of Session: Monitoring and modelling to guide coastal adaptation to extreme storm events in a changing climate
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No

Presentation Type	Workshop Facilitator
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To stimulate thinking
How many people?	11 - 50
Result Description	Two oral sessions and a poster session were convened at the European General Assembly, Vienna 2014
Impact Description	A special issue in Natural Hazards and Earth System Sciences is now in preparation
Most important impact?	Not aware of any impact.
Activity Title	Sneddon, (2013b). Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants, NNL
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Keynote/Invited Speaker
Geographical Reach	Local
Primary Audience	Professional Practitioners
Activity Years	2013
Main purpose	To share information
How many people?	1 - 10
Result Description	I presented my work and then engaged in a lengthy discussion about the implications of my work with those attending
Impact Description	No notable impacts
Most important impact?	Audience reported change in views, opinions or behaviours

Activity Title	Sneddon, (2014)a. Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants. EGU
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Poster Presentation
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To stimulate thinking
How many people?	51 - 100
Result Description	I talked to people whom where conducting research in similar fields and gained more knowledge of the current direction of the fields research.
Impact Description	No notable impacts
Most important impact?	Not aware of any impact.
URL	http://meetingorganizer.copernicus.org/EGU2014/EGU2014-1095.pdf
Activity Title	Sneddon, (2014)b. Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants,>NNL
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Keynote/Invited Speaker
Geographical Reach	Local
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To share information

How many people?	1 - 10
Result Description	The attendees discussed their work related to saltmarshes and discussed a plan to collaborate on further research related to saltmarshes
Impact Description	A plan was put in place to write two papers together
Most important impact?	Plans made for future related activity
Activity Title	Sneddon, (2014)c. Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants. COGER
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Paper Presentation
Geographical Reach	International
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
How many people?	51 - 100
Result Description	I presented my work which I had conducted over the past year and answered questions concerning it
Impact Description	I agreed to collaborate with Lancaster University at a later date concerning the Ravenglass field site
Most important impact?	Plans made for future related activity
Activity Title	Stakeholder event (2014) A future vision for the coast
Activity Type	A formal working group, expert panel or dialogue
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014

Main purpose	To stimulate thinking
How many people?	51 - 100
Result Description	Stakeholders conference and workshop attracting ~ 80 participants from across northwest England. Jointly hosted with North West Coastal Forum, Liverpool, 13th January 2014.
Impact Description	Development of new collaborations. Successful NERC KE grant with the Crown Estate, RHDHV, EA, National Grid and Natural English: NE/M008061/1
Most important impact?	Plans made for future related activity
URL	http://www.arcc-network.org.uk/wordpress/wp-content/pdfs/Future-Vision-Coast-schedule.pdf
Activity Title	Collaboration with Magnox re. flood risk assessment
Activity Type	A formal working group, expert panel or dialogue
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To share information
How many people?	1 - 10
Result Description	Collaboration with Magnox led to broadening of nuclear sector stakeholder community and number of case studies.
Impact Description	Engagement with Magnox (and Horizon Energy)
Most important impact?	Own/colleagues reported change in views or opinions.
Activity Title	Prime and Knight (2014). Coastal Decision Support Systems
Activity Type	A talk or presentation
Recognised Scheme	No

Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To share information
How many people?	51 - 100
Result Description	The workshop participants were split up into groups of around 15-20. Each group provided verbal and written feedback on the DSS presentation in terms its online delivery and content, which included suggestions for improvements e.g., Slider Bars have now been introduced to the DSS which allows users to easily view the flood scenarios. Previously this was restricted to clicking through a menu based system.
Impact Description	Interaction resulted in further stakeholder meetings e.g., with National Grid. At this meeting it became apparent that they were also interested in flooding around electricity pylon towers - due to foundation erosion and subsidence, in addition to flooding around building type infrastructure. Further meetings were setup as a result of the workshop and this has led to a number of changes regarding the content of the DSS e.g., additional focus on electricity pylon towers
Most important impact?	Increase in requests about (further) participation or involvement.
URL	http://www.arcc-network.org.uk/a-future-vision-for-the-coast/
Activity Title	Bell, 2014. Presented ARCoES poster at RCUK's Scientific Advisory Committee (SAC)
Activity Type	A formal working group, expert panel or dialogue
Recognised Scheme	Yes
Description	RCUK's Research Councils UK (RCUK) Energy Programme Scientific Advisory Committee (SAC) held on the afternoon of 14 October 2014 at The Palace Hotel in Manchester.

Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	No recorded results
Impact Description	No notable impacts recorded
Most important impact?	Not aware of any impact.
Activity Title	Almeida, 2014. Use of laser scanner to measure swash hydrodynamics and morphological change under storm conditions. Deltares, Netherlands
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To improve understanding of other's thinking
How many people?	11 - 50
Result Description	Collaboration with a researcher from Deltares (Robert McCall)
Impact Description	The collaboration with Deltares led to development of several numerical model tests for ARCoES study sites.
Most important impact?	Plans made for future related activity
Activity Title	Almeida, 2014. Swash zone morphodynamics of coarse-grained beaches during energetic wave conditions, ICCE, Seoul, South Korea.
Activity Type	A talk or presentation
Recognised Scheme	No

Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
How many people?	101 - 500
Result Description	After his talk at ICCE (South Korea) several people came after to request further information about the research he presented and contact for possible future collaboration.
Impact Description	Researcher invited to visit Deltares (Delft, Netherlands) and, during his stay in Delft for the work with Deltares, he had the opportunity to present his work on an internal talk. Since Deltares is an institution with worldwide reputation for modelling nearshore processes the entire group of researchers who attended the talk (about field data measurements) were interested and he had a really good and positive feedback during and after the talk.
Most important impact?	Plans made for future related activity
URL	http://www.asce.org/events/EventDetail.aspx?id=23622326820
Activity Title	Masselink 2014. Where has our beach gone? – the science behind how waves and storm impact our coast
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	Regional
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Annual spring lecture to Plymouth Marine Science and Education Foundation, National Marine Aquarium,

	Plymouth.
Impact Description	No notable impacts recorded
Most important impact?	Not aware of any impact.
Activity Title	Armstrong 2014. Classifying climate change adaptation frameworks, EGU
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Poster presentation at EGU, Vienna, 2014
Impact Description	No notable impacts recorded
Most important impact?	Not aware of any impact.
URL	http://meetingorganizer.copernicus.org/EGU2014/EGU2014-12850.pdf
Activity Title	Fabók 2013. From regimes to assemblages? Understanding transitions in the British energy sector
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To improve understanding of other's thinking
How many people?	51 - 100
Result Description	Presentation given in the opening session of the

conference: 'STS Perspectives on Energy' conference, Lisbon, Portugal, 4-5 November 2013. Questions and answers during the session, and potentially informal discussions

Impact Description	No notable impacts recorded
Most important impact?	Increase in requests for further information.
Activity Title	Fabók 2014a. Wylfa power station and the community. Public talk
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	Local
Primary Audience	Participants in your research and patient groups
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Wylfa power station and the community. Public talk given at Cemaes Village Hall, Wales, UK, 10 October 2014. The talk initiated some discussions in the local community during the official consultations of a new nuclear build project, and request was made to further disseminate research results.
Impact Description	Local community involvement increased and they requested further dissemination of research results.
Most important impact?	Increase in requests about (further) participation or involvement.
Activity Title	Fabók 2014b. Making the Anglesey Energy Island – Insights from the intersection of politics and geographies. EASST Conference October 2014.
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International

Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
Result Description	Making the Anglesey Energy Island – Insights from the intersection of politics and geographies. Oral presentation given at the EASST Conference ‘Situating Solidarities’, Torun, Poland, 17-19 October 2014. Questions and answers during the session, and potentially informal discussions
Impact Description	No notable impacts recorded
Most important impact?	Increase in requests for further information.
Activity Title	Fabók 2014c. Low-carbon energy transitions, geography and politics on the ground – Experiences from the Anglesey Energy Island. Sociology Summer Conference
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Low-carbon energy transitions, geography and politics on the ground – Experiences from the Anglesey Energy Island. Oral presentation given at the Lancaster University Sociology Summer Conference, 30 June – 1 July 2014. Questions and answers during the session, and potentially informal discussions
Impact Description	No notable impacts recorded
Most important impact?	Increase in requests for further information.
Activity Title	Fabók 2014d. Energy infrastructure and the question of politics. Conference 'Helyzet', Budapest

Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Energy infrastructure and the question of politics. Oral presentation given at the Conference of the Public Sociology Collective 'Helyzet' in Budapest, Hungary, 7-8 June 2014. Questions and answers during the session, and potentially informal discussions.
Impact Description	No notable impacts recorded
Most important impact?	Increase in requests for further information.
Activity Title	Fabók 2014e. Politicisation/Depoliticisation of nuclear power. CEU Sociology Summer Conference
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	International
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
Result Description	Politicisation/Depoliticisation of nuclear power. Oral presentation given at the CEU Sociology Summer Conference 'Blurring the Boundaries: Fields of expertise and spaces of intervention in collective/hybrid knowledge production' in Budapest, Hungary, 5-6 June 2014. Presentation in a relevant conference session for an academic audience.
Impact Description	Questions and answers during the session, and

	potentially informal discussions
Most important impact?	Not aware of any impact.
Activity Title	Fabók 2014f. Anglesey Energy Island – Low-carbon transitions, politics, geographic scale. SOES PGR Conference, Liverpool
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	Local
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Anglesey Energy Island – Low-carbon transitions, politics, geographic scale. Oral presentation given at the SOES PGR Conference, University of Liverpool, 12-14 May 2014.
Impact Description	Questions and answers during the session, and potentially informal discussions
Most important impact?	Not aware of any impact.
Activity Title	Fabók 2014g. Low-carbon transitions and the politics of geographic scale – The case of Anglesey Energy Island. SPRU DPhil day
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
How many people?	51 - 100

Result Description	Low-carbon transitions and the politics of geographic scale – The case of Anglesey Energy Island. Oral presentation given at the SPRU DPhil Fay, University of Sussex, 7-8 May 2014.
Impact Description	Questions and answers during the session, and potentially informal discussions
Most important impact?	Increase in requests for further information.
Activity Title	Fabók 2014i. Regimes, assemblages, and a multi-sighted ethnography into the future of British nuclear. STS miniconference
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	Local
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Regimes, assemblages, and a multi-sighted ethnography into the future of British nuclear. Oral presentation given at the STS miniconference, University of Lancaster, 9 January 2014.
Impact Description	: Questions and answers during the session, and potentially informal discussions
Most important impact?	Increase in requests for further information.
Activity Title	Fabók 2014j. Nuclear power and political-economic systems. STS, Hungary
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	Local
Primary Audience	Postgraduate students

Activity Years	2014
Main purpose	To share information
How many people?	11 - 50
Result Description	Nuclear power and political-economic systems. Oral presentation given at the 'Science and technology studies (STS) in Hungary' conference in Budapest, Hungary, 5-6 January 2014.
Impact Description	Questions and answers during the session, and potentially informal discussions
Most important impact?	Increase in requests for further information.
Activity Title	Fabok (2014. Workshop organiser: Pre-conference Doctoral Workshop 'Doing STS - within academia and beyond', EASST
Activity Type	Participation in an activity, workshop or similar
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To stimulate thinking
How many people?	11 - 50
Result Description	Workshop organiser: Pre-conference Doctoral Workshop 'Doing STS - within academia and beyond' at the EASST Conference 'Situating Solidarities'. Torun, Poland, 16 October 2014. 30 PhD students attended a workshop discussing academic and non-academic activities during and after a PhD and improving various skills through discussions facilitated by senior academics.
Impact Description	Workshop report by a participant to be published in EASST Review.
Most important impact?	Increase in requests for further information.
Activity Title	Fabok, M. (2014). Conference co-organiser: 'Science and

	technology studies (STS) in Hungary' conference, Budapest
Activity Type	Participation in an activity, workshop or similar
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To improve understanding of other's thinking
How many people?	11 - 50
Result Description	Conference co-organiser with András Novoszách: 'Science and technology studies (STS) in Hungary' conference in Budapest, Hungary, 5-6 January 2014. First conference for Hungarian academics working in relation to science and technology studies (STS) with panel discussions and a total of about 40 presentations in parallel thematic workshop sessions.
Impact Description	Workshop report by organisers to be published in EASST Review.
Most important impact?	Increase in requests about (further) participation or involvement.
URL	https://stsmuhely.wordpress.com/
Activity Title	Prime 2014. Coastal Community Adaptation to Future Potential Climate Change. EGU
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Paper Presentation
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014

Main purpose	To share information
How many people?	11 - 50
Result Description	During a session entitled Monitoring and modelling to guide coastal adaptation to extreme storm events in a changing climate at the European Geosciences Union, author gave a paper presentation which generated questions and interest.
Impact Description	Increased interest in research, author was asked to contribute a paper submission to a natural hazards and earth system sciences special issue.
Most important impact?	Plans made for future related activity
URL	http://meetingorganizer.copernicus.org/EGU2014/EGU2014-1183.pdf
Activity Title	Spencer 2014. Coastal Energy Infrastructure. ARCoES Stakeholder event
Activity Type	A talk or presentation
Recognised Scheme	No
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To stimulate thinking
How many people?	51 - 100
Result Description	Presentation at ARCoES Stakeholder event, 13 January 2014, Liner Hotel, Liverpool
Impact Description	Networking and discussion with professional practitioners, academics and representatives of interested organisations.
Most important impact?	Increase in requests for further information.
Activity Title	Becker, (2014). Redistribution of intertidal sediment contaminants by microphytobenthos. EGU

Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Poster Presentation
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
How many people?	51 - 100
Result Description	A poster of my work was presented in the Ecohydrology session at the 2014 EGU conference by my collaborator/fellow PhD student, Chris Sneddon
Impact Description	No notable impacts reported to date
Most important impact?	Not aware of any impact.
URL	http://meetingorganizer.copernicus.org/EGU2014/EGU2014-6990.pdf
Activity Title	Becker 2014b. Redistribution of intertidal sediment contaminants by microphytobenthos at COGER
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Paper Presentation
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
How many people?	51 - 100
Result Description	Presentation was attended by approximately 60 people. Following the session I discussed work with people from other institutions (e.g. BGS) working in similar areas

Impact Description	Contact with BGS employees concerning experimental methods and materials
Most important impact?	Decision made or influenced
Activity Title	Becker 2014c. Redistribution of intertidal sediment contaminants by microphytobenthos. Winter Symposium
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Poster Presentation
Geographical Reach	Local
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
How many people?	101 - 500
Result Description	Presented a poster at the University of Stirling: department of Biological and Environmental Sciences annual symposium; and discussed research methods and potential resource sharing with other members of department
Impact Description	Discussion on research methodology and potential resource sharing with other members of department
Most important impact?	Own/colleagues reported change in views or opinions.
Activity Title	Becker 2014d. Redistribution of intertidal sediment contaminants by microphytobenthos at NNL
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	No
Presentation Type	Keynote/Invited Speaker
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014

Main purpose	To share information
How many people?	1 - 10
Result Description	Presented proposed research to a group at NNL Warrington as one of their lunchtime research presentations, followed by discussion and sharing of expertise
Impact Description	Expertise shared with, and gained from, professional practitioners
Most important impact?	Increase in requests about (further) participation or involvement.
Activity Title	McCauley 2013. Organiser of 'Going Nuclear' Seminar Series (part 1 Stirling, Liverpool, 2013)
Activity Type	Scientific meeting (conference/symposium etc.)
Recognised Scheme	Yes
Description	ESRC seminar series (PI McCauley, Co-Is Plater, North, Heffron) / RES-451-26-0821
Presentation Type	Workshop Facilitator
Geographical Reach	National
Primary Audience	Policymakers/parliamentarians
Activity Years	2013
Main purpose	To stimulate thinking
How many people?	101 - 500
Result Description	Organiser, invited speaker, and poster presenter at the successful seminar series Going Nuclear: the multi-level politics of nuclear energy; consisted of three events in Stirling, Liverpool and Cambridge. All three events were aimed at both an academic and practitioner audience. We also invited and secured the attendance of postgraduates from related masters and PhD courses at Scottish and English universities. Demand for participation and audience was high with all three sessions filling capacity. We used the first seminar in Stirling to provide an

international energy comparative context for the seminar series. In Liverpool, we focused primarily on detailed selected and invited discussions on the central theme of nuclear energy in the UK. We developed, thirdly, a seminar on the specific theme of energy subsidies and the nuclear industry in light of recent events surrounding the strike price agreed at Hinkley Point C . You can find the full report here: <http://www.esrc.ac.uk/my-esrc/grants/RES-451-26-0821/read/keyfindings>

Impact Description

Non-academic impact: We, firstly, set up a website to make available all the presentations of the seminar series. We sent this to all non-academic participants in the seminars with the stated aim to include further information on the website including a twitter and news feed. We, secondly, expanded an already existing network of practitioners on the nuclear issue (lead by Paul Dorfman). This network includes monthly emailed newsletter to London based nuclear companies and public representatives. We are, thirdly, preparing a policy brief for DECC.

Most important impact?

Audience reported change in views, opinions or behaviours

URL

<http://goingnuclearseries.wordpress.com>

Activity Title

McAuley 2014. Organiser of 'Going Nuclear' seminar series (part 2 Cambridge 2014)

Activity Type

Scientific meeting (conference/symposium etc.)

Recognised Scheme

Yes

Description

ESRC seminar series (PI McCauley, Co-Is Plater, North, Heffron) / RES-451-26-0821

Presentation Type

Keynote/Invited Speaker

Geographical Reach

National

Primary Audience

Policymakers/parliamentarians

Activity Years

2014

Main purpose

To stimulate thinking

How many people?	101 - 500
Result Description	See results from 2013 (duplicated here). Organised and presented at the successful seminar series: Going Nuclear: the multi-level politics of nuclear energy; consisted of three events in Stirling, Liverpool and Cambridge. All three events were aimed at both an academic and practitioner audience. We also invited and secured the attendance of postgraduates from related masters and PhD courses at Scottish and English universities. Demand for participation and audience was high with all three sessions filling capacity. We used the first seminar in Stirling to provide an international energy comparative context for the seminar series. In Liverpool, we focused primarily on detailed selected and invited discussions on the central theme of nuclear energy in the UK. We developed, thirdly, a seminar on the specific theme of energy subsidies and the nuclear industry in light of recent events surrounding the strike price agreed at Hinkley Point C . You can find the full report here: http://www.esrc.ac.uk/my-esrc/grants/RES-451-26-08_21/read/keyfindings
Impact Description	See impacts from 2013 (duplicated here). Non-academic impact: We, firstly, set up a website to make available all the presentations of the seminar series. We sent this to all non-academic participants in the seminars with the stated aim to include further information on the website including a twitter and news feed. We, secondly, expanded an already existing network of practitioners on the nuclear issue (lead by Paul Dorfman). This network includes monthly emailed newsletter to London based nuclear companies and public representatives. We are, thirdly, preparing a policy brief for DECC.
Most important impact?	Audience reported change in views, opinions or behaviours
URL	http://www.esrc.ac.uk/my-esrc/grants/RES-451-26-08_21/read/keyfindings

Research Tools and Methods

Material Name	Laser scanner to remotely monitor swash action and morphological change under energetic conditions (Masselink / Almeida)
Material Type	Improvements to research infrastructure
Description	Development of method involving laser scanner to remotely monitor swash action and morphological change under energetic conditions. This methodology is now routinely used by Co-I's research group for their 'storm chasing' activities for monitoring beaches before, during and after storm events
Provided to Others	No
Impact Description	Improved monitoring of beach morphology changes under energetic conditions

Key Findings

Discoveries	To date (project ongoing): a. Flood risk for nuclear power stations and associated energy infrastructure from future sea-level rise; b. Flood risk for NW coast case study (Fleetwood) from future sea-level rise, storms, wave overtopping and high river flows; c. Monitoring data on coastal response to storm events for Sellafield and Hinkley Point case studies d. Good understanding of stakeholder needs for decision-support system (DSS).
Objectives	Partially
Expand	a. Coastal modelling work is progressing more slowly than expected due to staffing matters and technical issues. This has knocked onto coastal erosion and sediment transport modelling. b. Monitoring data on coastal response to storms is

dependent upon the particular storm events for the study sites in question. Such events have not taken place so far for Sizewell and Bradwell. c. Working in partnership with EDF has raised awareness regarding politically sensitive project outputs.

Further Details

<http://www.liv.ac.uk/geography-and-planning/research/adaptation-and-resilience-of-coastal-energy-supply/reports/>

Taken Forward

The DSS is targeted specifically for use by users in the energy and coastal management sectors - and has been designed specifically to support operational and strategic decision-making on the potential impacts of future coastal change.

Narrative Impact

Findings

Preliminary: (project ongoing) a. The decision-support system (DSS) has been trialled with (i) National Grid, (ii) Magnox, and (iii) coastal stakeholders (local authority, engineers, interest groups). This has highlighted a user need for project outputs to deliver both operational and strategic planning support. b. The future flood risk maps are being taken up by National Grid and Magnox Ltd. as an effective means of decision-support in relation to future investment in infrastructure resilience.

Date Materialised

2014