

EP/I035390/1

Adaptation and Resilience of Coastal Energy Supply

Professor Andrew Plater

Document produced, 6 Apr 2017

- Submitted on, 15 Mar 2017

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Award Title	Adaptation and Resilience of Coastal Energy Supply
Award Reference	EP/I035390/1
Location	University of Liverpool
Funding Start Date	2011-11-01
Funding End Date	2017-04-30
Award Abstract	

- Submitted on, 15 Mar 2017

Sections

Publications

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

Publication date	2013
First Named Author	Brown J
Secondary Authors	Amoudry L, Mercier F, Souza A
Publication Type	Journal Article / Review
Is Published	Yes
Journal	Ocean Science (V: 9, #: 4, Pg: 721-729)

Identifiers:

PubMed ID	
Digital ID	10.5194/os-9-721-2013
ISSN (Print)	1812-0792
ISSN (Digital)	
ISSN (Linking)	

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

Publication date	2015
First Named Author	Almeida L
Secondary Authors	Masselink G, Russell P, Davidson M
Publication Type	Journal Article / Review

- Submitted on, 15 Mar 2017

Is Published Yes
Journal Geomorphology (V: 228, #: , Pg: 15-27)

Identifiers:

PubMed ID
Digital ID 10.1016/j.geomorph.2014.08.019
ISSN (Print)
ISSN (Digital) 0169555X
ISSN (Linking)

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

Publication date 2015
First Named Author Brown J
Secondary Authors Amoudry L, Souza A, Rees J
Publication Type Journal Article / Review
Is Published Yes
Journal Journal of Environmental Management (V: 149, #: , Pg: 209-221)

Identifiers:

PubMed ID
Digital ID 10.1016/j.jenvman.2014.10.017
ISSN (Print)
ISSN (Digital) 03014797
ISSN (Linking)

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

Publication date 2013
First Named Author Brown J
Secondary Authors Bolaños R, Wolf J
Publication Type Journal Article / Review
Is Published Yes
Journal Coastal Engineering (V: 82, #: , Pg: 102-113)

Identifiers:

PubMed ID
Digital ID 10.1016/j.coastaleng.2013.08.009
ISSN (Print)
ISSN (Digital) 03783839
ISSN (Linking)

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

Publication date 2014
First Named Author Masselink G
Secondary Author van Heteren S
Publication Type Journal Article / Review
Is Published Yes
Journal Marine Geology (V: 352, #: , Pg: 321-347)

Identifiers:

PubMed ID
Digital ID 10.1016/j.margeo.2013.11.004

- Submitted on, 15 Mar 2017

ISSN (Print)

ISSN (Digital) 00253227

ISSN (Linking)

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

Publication date 2014

First Named Author Almeida L P

Secondary Author Masselink G: Russell P E: Davidson M: McCall R:
Poate T

Publication Type Conference Proceeding / Conference Paper

Is Published Yes

Publication ID

Identifiers:

Data Source

PubMed ID

Digital ID

Modelling storm hydrodynamics on gravel beaches with XBeach-G

Publication date 2014

First Named Author McCall R

Secondary Authors Masselink G, Poate T, Roelvink J, Almeida L,
Davidson M, Russell P

Publication Type Journal Article / Review

Is Published Yes

Journal Coastal Engineering (V: 91, #: , Pg: 231-250)

Identifiers:

- Submitted on, 15 Mar 2017

PubMed ID

Digital ID 10.1016/j.coastaleng.2014.06.007

ISSN (Print)

ISSN (Digital) 03783839

ISSN (Linking)

Application of flood risk modelling in a web-based geospatial decision support tool for coastal adaptation to climate change

Publication date 2015

First Named Author Knight P

Secondary Authors Prime T, Brown J, Morrissey K, Plater A

Publication Type Journal Article / Review

Is Published Yes

Journal Natural Hazards and Earth System Science (V: 15, #: 7, Pg: 1457-1471)

Identifiers:

PubMed ID

Digital ID 10.5194/nhess-15-1457-2015

ISSN (Print) 1684-9981

ISSN (Digital)

ISSN (Linking)

(2015) Research Consultancy Report No. 46, Assessing long-term coastal flooding risk for Magnox nuclear power stations

Publication date 2015

First Named Author Knight P. J.

- Submitted on, 15 Mar 2017

Secondary Authors Prime, T.;Brown, J. M.;Plater, A. J.

Publication Type Technical Report

Is Published Yes

Publication ID

Identifiers:

Data Source

PubMed ID

Digital ID

ISSN (Print)

ISSN (Digital)

ISSN (Linking)

Physical and economic impacts of sea-level rise and low probability flooding events on coastal communities.

Publication date 2015

First Named Author Prime T

Secondary Authors Brown JM, Plater AJ

Publication Type Journal Article / Review

Is Published Yes

Journal PloS one (V: 10, #: 2, Pg: e0117030)

Identifiers:

PubMed ID 25710497

Digital ID 10.1371/journal.pone.0117030

ISSN (Print)

ISSN (Digital) 1932-6203

- Submitted on, 15 Mar 2017

ISSN (Linking) 1932-6203

UK storms 2014: Gravel beach response

Publication date 2015
First Named Author Poate T
Secondary Author Masselink G;McCall R;Russell P;Davidson M
Publication Type Conference Proceeding / Conference Paper
Is Published Yes

Publication ID

Identifiers:

Data Source

PubMed ID

Digital ID

ISSN (Print)

ISSN (Digital)

ISSN (Linking)

A temporal waterline approach to mapping intertidal areas using X-band marine radar

Publication date 2016
First Named Author Bell P
Secondary Authors Bird C, Plater A
Publication Type Journal Article / Review
Is Published Yes
Journal Coastal Engineering (V: 107, #: , Pg: 84-101)

Identifiers:

- Submitted on, 15 Mar 2017

PubMed ID

Digital ID 10.1016/j.coastaleng.2015.09.009

ISSN (Print)

ISSN (Digital) 03783839

ISSN (Linking)

Assessment and comparison of extreme sea levels and waves during the 2013/14 storm season in two UK coastal regions

Publication date 2015

First Named Author Wadey M

Secondary Authors Brown J, Haigh I, Dolphin T, Wisse P

Publication Type Journal Article / Review

Is Published Yes

Journal Natural Hazards and Earth System Science (V: 15, #: 10, Pg: 2209-2225)

Identifiers:

PubMed ID

Digital ID 10.5194/nhess-15-2209-2015

ISSN (Print) 1684-9981

ISSN (Digital)

ISSN (Linking)

Residual circulation modelling at the national UK scale to identify possible sediment pathways to inform decadal coastal geomorphic evolution models.

Publication date 2015

- Submitted on, 15 Mar 2017

First Named Author Brown, J.M.
Secondary Authors Amoudry, L.O.;Souza, A.J.,;Plater, A.J.,
Publication Type Conference Proceeding / Conference Paper
Is Published Yes

Identifiers:

Data Source

ISSN (Print)

ISSN (Digital)

ISSN (Linking)

Flood risk uncertainty surrounding a 0.5% annual probability event

Publication date 2015
First Named Author Brown, J.M.
Secondary Authors Prime, T.;Plater, A.J.
Publication Type Conference Proceeding / Conference Paper
Is Published Yes

Identifiers:

Data Source

ISSN (Print)

ISSN (Digital)

ISSN (Linking)

Morphological Control on Overtopping Hazard at Multiple Energy Generation Installations.

Publication date 2015

- Submitted on, 15 Mar 2017

First Named Author Prime, T.
Secondary Authors Brown, J.M.,;Plater, A.J.,;Dolphin, T.,;Fernand, L.,
Publication Type Conference Proceeding / Conference Paper
Is Published Yes

Identifiers:

Data Source

ISSN (Print)

ISSN (Digital)

ISSN (Linking)

Climate change adaptation frameworks: an evaluation of plans for coastal Suffolk, UK

Publication date 2015
First Named Author Armstrong J
Secondary Authors Wilby R, Nicholls R
Publication Type Journal Article / Review
Is Published Yes
Journal Natural Hazards and Earth System Sciences (V: 15, #: 11, Pg: 2511-2524)

Identifiers:

PubMed ID

Digital ID 10.5194/nhess-15-2511-2015

ISSN (Print) 1684-9981

ISSN (Digital)

ISSN (Linking) 1561-8633

Preface: Monitoring and modelling to guide coastal adaptation to extreme storm events in a changing climate

Publication date	2016
First Named Author	Brown J
Secondary Authors	Ciavola P, Masselink G, McCall R, Plater A
Publication Type	Journal Article / Review
Is Published	Yes
Journal	Natural Hazards and Earth System Sciences (V: 16, #: 2, Pg: 463-467)

Identifiers:

PubMed ID	
Digital ID	10.5194/nhess-16-463-2016
ISSN (Print)	1684-9981
ISSN (Digital)	
ISSN (Linking)	

Flood inundation uncertainty: The case of a 0.5% annual probability flood event

Publication date	2016
First Named Author	Prime T
Secondary Authors	Brown J, Plater A
Publication Type	Journal Article / Review
Is Published	Yes
Journal	Environmental Science & Policy (V: 59, #: , Pg: 1-9)

Identifiers:

- Submitted on, 15 Mar 2017

PubMed ID
Digital ID 10.1016/j.envsci.2016.01.018
ISSN (Print)
ISSN (Digital) 14629011
ISSN (Linking)

The impact of tidal lagoons on future flood risk on the North Wirral and Conwy coastline, UK. (NOC Internal Document No.16)

Publication date 2015
First Named Author Lyddon C
Secondary Author Plater AJ;Brown J;Prime T;Wolf J
Publication Type Technical Report
Is Published Yes

Identifiers:

Data Source
ISSN (Print)
ISSN (Digital)
ISSN (Linking)

Impact of operational model nesting approaches and inherent errors for coastal simulations

Publication date 2016
First Named Author Brown J
Secondary Authors Norman D, Amoudry L, Souza A
Publication Type Journal Article / Review
Is Published Yes

- Submitted on, 15 Mar 2017

Journal Ocean Modelling (V: 107, #: , Pg: 48-63)

Identifiers:

PubMed ID

Digital ID 10.1016/j.ocemod.2016.10.005

ISSN (Print)

ISSN (Digital) 14635003

ISSN (Linking)

The effectiveness of beach mega-nourishment, assessed over three management epochs

Publication date 2016

First Named Author Brown J

Secondary Authors Phelps J, Barkwith A, Hurst M, Ellis M, Plater A

Publication Type Journal Article / Review

Is Published Yes

Journal Journal of Environmental Management (V: 184, #: , Pg: 400-408)

Identifiers:

PubMed ID

Digital ID 10.1016/j.jenvman.2016.09.090

ISSN (Print)

ISSN (Digital) 03014797

ISSN (Linking)

Security, justice and the energy crossroads: Assessing the implications of the nuclear phase-out in Germany

- Submitted on, 15 Mar 2017

Publication date 2016
First Named Author Rehner R
Secondary Author McCauley D
Publication Type Journal Article / Review
Is Published Yes
Journal Energy Policy (V: 88, #: , Pg: 289-298)

Identifiers:

PubMed ID
Digital ID 10.1016/j.enpol.2015.10.038
ISSN (Print)
ISSN (Digital) 03014215
ISSN (Linking)

Storm overwash of a gravel barrier: Field measurements and XBeach-G modelling

Publication date 2017
First Named Author Almeida L
Secondary Authors Masselink G, McCall R, Russell P
Publication Type Journal Article / Review
Is Published Yes
Journal Coastal Engineering (V: 120, #: , Pg: 22-35)

Identifiers:

PubMed ID
Digital ID 10.1016/j.coastaleng.2016.11.009
ISSN (Print)

- Submitted on, 15 Mar 2017

ISSN (Digital) 03783839

ISSN (Linking)

Application of marine radar to monitoring seasonal and event-based changes in intertidal morphology

Publication date 2017
First Named Author Bird C O
Secondary Authors Bell P S, Plater A J
Publication Type Journal Article / Review
Journal Geomorphology (V: 285, #: , Pg: 1-15)

Identifiers:

Data Source
ISSN (Print)
ISSN (Digital)
ISSN (Linking)

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

Publication date 2013
First Named Author Almeida L
Secondary Authors Masselink G, Russell P, Davidson M, Poate T, McCall R, Blenkinsopp C, Turner I
Publication Type Journal Article / Review
Is Published Yes
Journal Journal of Coastal Research (V: 65, #: , Pg: 636-641)

Identifiers:

- Submitted on, 15 Mar 2017

PubMed ID
Digital ID 10.2112/SI65-108.1
ISSN (Print) 1551-5036
ISSN (Digital) 0749-0208
ISSN (Linking)

Role of Beach Morphology in Wave Overtopping Hazard Assessment

Publication date 2017
First Named Author Phillips B
Secondary Authors Brown J, Bidlot J, Plater A
Publication Type Journal Article / Review
Is Published Yes
Journal Journal of Marine Science and Engineering (V: 5, #: 1, Pg: 1)

Identifiers:

PubMed ID
Digital ID 10.3390/jmse5010001
ISSN (Print) 2077-1312
ISSN (Digital)
ISSN (Linking)

Use of Facilities and Resources

Facility or Work Name EPSRC funded flights of the Ribble estuary (Sneddon)

- Submitted on, 15 Mar 2017

Facility Name	NERC ARSF
Provided Service/Resource	Lidar data collection of the Ribble estuary
Subsequent Impacts	No impacts as of yet as data not delivered by NERC ARSF
URL	

Collaborations and Partnerships

Collaboration Title	Flood risk assessment for Magnox sites
Partner	
Organisation Name [0]	Magnox
Department [0]	Hazards
Contributed Financially [0]	Yes
Contribution Currency [0]	GBP British Pound Sterling
Contribution Amount [0]	40000
In-kind contribution [0]	Yes
In-kind contribution currency [0]	GBP British Pound Sterling
Give an estimate of the in-kind value. [0]	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	2015

- Submitted on, 15 Mar 2017

URL

Resultant Outcomes Knight et al. (2015) Assessing long-term coastal flooding risk for Magnox nuclear power stations (NOC Research Consultancy Report No. 46)

Categorisation of impact No impact yet

Formally Governed No

Collaboration Title Radar survey

Partner

Organisation Name [0] Marlan Maritime Technologies

Contributed Financially [0] No

In-kind contribution [0] No

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 and operation of radar survey.

Year Commenced 2012

Year Ended Still Active

URL

Resultant Outcomes Commercial contracts for radar monitoring underway and in development.

Categorisation of impact Economic

Formally Governed No

Collaboration Sandscaping scoping study

- Submitted on, 15 Mar 2017

Title**Partner**

Organisation Name [0]	Crown Estate
Department [0]	Energy and Infrastructure
Contributed Financially [0]	No
In-kind contribution [0]	Yes
In-kind contribution currency [0]	GBP British Pound Sterling
Give an estimate of the in-kind value. [0]	5000
Organisation Name [1]	Environment Agency
Contributed Financially [1]	No
In-kind contribution [1]	No

- Submitted on, 15 Mar 2017

In-kind contribution currency [1] GBP British Pound Sterling

Organisation Name [2] Royal HaskoningDHV

Department [2] Rivers, Deltas and Coasts

Contributed Financially [2] No

In-kind contribution [2] No

In-kind contribution currency [2] GBP British Pound Sterling

Organisation Name [3] The National Grid Co plc

Contributed Financially [3] No

In-kind contribution [3] No

In-kind contribution GBP British Pound Sterling

- Submitted on, 15 Mar 2017

currency
[3]

Organisation Name
[4] Natural England

Contributed Financially
[4] No

In-kind contribution
[4] No

In-kind contribution currency
[4] GBP British Pound Sterling

Organisation Name
[5] British Geological Survey

Contributed Financially
[5] No

In-kind contribution
[5] No

In-kind contribution currency
[5] GBP British Pound Sterling

Organisation Name
National Oceanography Centre

- Submitted on, 15 Mar 2017

[6]

Contributed Financially
[6]

No

In-kind contribution
[6]

No

In-kind contribution currency
[6]

GBP British Pound Sterling

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 Phelps JJC et al. (2015) Modeling coastal erosion and sediment transport on the Dungeness Foreland, UK (NOC Consultancy Report No.48) Prime T et al. (2015) Sandscaping for mitigating coastal flood and erosion risk to energy infrastructure on gravel shorelines: Dungeness flood risk assessment (NOC Consultancy Report No.49)

Categorisation of impact No impact yet

Formally Governed Yes

Collaboration Title Stirling-Lancaster saltmarsh investigations
(Christopher Sneddon, Prof David
Coplestone, Dr Jackie Pates)

Partner

Organisation Name [0] Lancaster University

Contributed Financially [0] No

In-kind contribution [0] No

Contributions Made My (Stirling) research team oversees site selection, research planning, fieldwork and data analysis.

Partner Contributions My collaborators contribute to research planning, field work and laboratory analysis

Year Commenced 2014

Year Ended Still Active

URL

Resultant Outcomes Outputs have been validation of a geostatistical model of saltmarsh contamination. The mapping of surface contaminant concentrations at a managed realignment site.

Categorisation of impact No impact yet

Formally Governed No

Collaboration Title Use of Sandscaping Interventions for Coastal Protection

Partner

Organisation Name [0] The National Grid Co plc

Contributed Financially [0] Yes

- Submitted on, 15 Mar 2017

Contribution Currency [0]	GBP British Pound Sterling
Contribution Amount [0]	15000
In-kind contribution [0]	Yes
In-kind contribution currency [0]	GBP British Pound Sterling
Give an estimate of the in-kind value. [0]	5000
Organisation Name [1]	Crown Estate
Contributed Financially [1]	No
In-kind contribution [1]	No
Contributions Made	Modeling of sandscaping options for Morecambe Bay for coastal defence and flood mitigation.
Partner Contributions	Input to the design and implementation strategy for sandscaping interventions.
Year Commenced	2016
Year Ended	Still Active
URL	
Resultant Outcomes	No outcomes to date.
Categorisation of impact	No impact yet
Formally Governed	Yes

Further Funding

Funding Scheme	Environmental Risks to Infrastructure Innovation Funding call (KE Scheme)
Organisation Name	Natural Environment Research Council (NERC)

- Submitted on, 15 Mar 2017

Type Research grant (including intramural programme)
Funding Currency GBP British Pound Sterling
Funding Amount 46210
Reference Number NE/M008061/1
Start Month October
Start Year 2014
End Month April
End Year 2015

Funding Scheme EPSRC Impact Accelerator Account (IAA)
Organisation Name Engineering and Physical Sciences Research Council (EPSRC)
Type Research grant (including intramural programme)
Funding Currency GBP British Pound Sterling
Funding Amount 40000
Reference Number
Start Month April
Start Year 2014
End Month December
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

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programme)
Funding Currency GBP British Pound Sterling
Funding Amount 262735
Reference Number EP/L025191/1
Start Month Unknown
Start Year 2014
End Month Unknown
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 British Pound Sterling
Funding Amount 60000
Reference Number
Start Month February
Start Year 2013
End Month February
End Year 2016

Funding Scheme EPSRC Impact Accelerator Account (IAA)
Organisation Name Engineering and Physical Sciences Research Council (EPSRC)
Type Research grant (including intramural programme)
Funding Currency GBP British Pound Sterling

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Funding Amount 16000

Consortium Funding Amount

Reference Number

Start Month March

Start Year 2016

End Month December

End Year 2016

Funding Scheme EPSRC Institutional Sponsorship

Organisation Name Engineering and Physical Sciences Research Council (EPSRC)

Type Research grant (including intramural programme)

Funding Currency GBP British Pound Sterling

Funding Amount 20000

Consortium Funding Amount

Reference Number

Start Month October

Start Year 2016

End Month March

End Year 2017

Funding Scheme Knowledge Exchange Voucher

Organisation Name University of Liverpool

Type Research grant (including intramural programme)

Funding Currency GBP British Pound Sterling

- Submitted on, 15 Mar 2017

Funding Amount	12500
Consortium Funding Amount	
Reference Number	
Start Month	June
Start Year	2017
End Month	July
End Year	2017

Next Destination

Label	LPA
Proportion of Full Time	1
Previous Role	Research Student
New Role	Post Doctoral Researcher
New Sector	Public (excluding hospitals and Universities)
Year Member Left	2015
Destination Country	France, French Republic
Qualifications Gained	PhD
Description	
Month	October
Year	2015

Engagement Activities

- Submitted on, 15 Mar 2017

Activity Title	Plater (2012)b. Making a case for action and thriving local economies resilient to climate change
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Keynote/Invited Speaker
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Industry/Business, Other audiences
Activity Years	2012
Main purpose	To stimulate thinking
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

- Submitted on, 15 Mar 2017

	adaptation
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Keynote/Invited Speaker
How many people?	101 - 500
Geographical Reach	International
Primary Audience	Other audiences
Other Audience	Policymakers/politicians, Professional Practitioners, Postgraduate students
Activity Years	2012
Main purpose	To share information
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

- Submitted on, 15 Mar 2017

Activity Type	A magazine or newsletter (print or online)
Recognised Scheme	No
Description	
Presentation Type	
How many people?	
Geographical Reach	International
Primary Audience	Media (as a channel to wider audiences)
Activity Years	2012
Main purpose	
Result Description	ARCC-CN Newsletter (e-publication), December 2012, Issue 9.
Impact Description	None recorded
Most important impact?	
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	A talk or presentation or debate
Recognised Scheme	Yes
Description	RGS-IBG Postgraduate Mid-term conference
Presentation Type	
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Postgraduate students
Other Audience	No other audiences
Activity Years	2013

- Submitted on, 15 Mar 2017

Main purpose**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

Most important impact?**URL**

Activity Title

Prime, T (2013) Physical, Operational and Economic Resilience of Coastal Energy Networks

Activity Type

A talk or presentation or debate

Recognised Scheme

No

Description**Presentation Type**

Paper Presentation

How many people?

11 - 50

Geographical Reach

National

Primary Audience

Postgraduate students

Other Audience

Professional Practitioners

Activity Years

2013

Main purpose

To share information

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.

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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

URL

Activity Title

Masselink, G (2013) A week in the life of a storm chaser

Activity Type

A magazine or newsletter (print or online)

Recognised Scheme

No

Description

Presentation Type

How many people?

Geographical Reach

International

Primary Audience

Media (as a channel to wider audiences)

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

Most important impact?

URL

<http://www.newscientist.com/article/mg21729092.800-a-week-in-the-life-of-a-storm-chaser.html>

- Submitted on, 15 Mar 2017

Activity Title	Sneddon, C (2013a) Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Paper Presentation
How many people?	51 - 100
Geographical Reach	International
Primary Audience	Professional Practitioners
Other Audience	Industry/Business, Postgraduate students
Activity Years	2013
Main purpose	To share information
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
URL	

Activity Title	Fabók, M (2013) Nuclear power futures: Towards an understanding of agency
Activity Type	A talk or presentation or debate
Recognised Scheme	Yes

- Submitted on, 15 Mar 2017

Description	SPRU (Science and Technology Policy Research Unit)
Presentation Type	Paper Presentation
How many people?	
Geographical Reach	International
Primary Audience	Postgraduate students
Other Audience	No other audiences
Activity Years	2013
Main purpose	
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
Most important impact?	
URL	

Activity Title	Brown, J M (2013) Coastal storm impacts (at Shelf Seas Workshop, Mexico)
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)

- Submitted on, 15 Mar 2017

Activity Years	2013
Main purpose	To share information
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?	Requests about (further) participation or involvement
URL	

Activity Title	Brown, J M (2013) Wind stress: Which formulation for coastal applications?
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Poster Presentation
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Other audiences
Other Audience	Professional Practitioners
Activity Years	2013
Main purpose	To share information
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-

- Submitted on, 15 Mar 2017

	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 or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
Result Description	Conference presentation at EGU, Vienna, Austria. (abstract EGU2014-1095)
Impact Description	No notable impacts recorded as yet
Most important impact?	Requests for further information
URL	http://meetingorganizer.copernicus.org/EGU2014/EGU2014-1095.pdf

- Submitted on, 15 Mar 2017

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 or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	51 - 100
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To share information
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?	Requests about (further) participation or involvement
URL	

Activity Title	Amoudry (2014). Structured and unstructured grid model performance in the Irish Sea. Marine Sciences SIG
Activity Type	A talk or presentation or debate

- Submitted on, 15 Mar 2017

Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
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
URL	

Activity Title	Brown J.M. (2013) Seminar: Credible evidence for decision support. (NOC – Southampton series)
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	Regional
Primary Audience	Other academic audiences (collaborators, peers

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	etc.)
Activity Years	2013
Main purpose	To share information
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.
URL	

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	Event, workshop or similar
Recognised Scheme	No
Description	
Presentation Type	Workshop Facilitator
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Other audiences
Other Audience	Postgraduate students
Activity Years	2014
Main purpose	To stimulate thinking
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

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System Sciences is now in preparation

Most important impact?

Not aware of any impact.

URL

Activity Title

Sneddon, (2013b). Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants, NNL

Activity Type

A talk or presentation or debate

Recognised Scheme

No

Description

Presentation Type

Keynote/Invited Speaker

How many people?

1 - 10

Geographical Reach

Local

Primary Audience

Professional Practitioners

Other Audience

No other audiences

Activity Years

2013

Main purpose

To share information

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

URL

Activity Title

Sneddon, (2014)a. Long-term environmental and health implications of morphological change and sediment

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	transport with respect to contaminants. EGU
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Poster Presentation
How many people?	51 - 100
Geographical Reach	International
Primary Audience	Other audiences
Other Audience	Postgraduate students
Activity Years	2014
Main purpose	To stimulate thinking
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	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Keynote/Invited Speaker
How many people?	1 - 10

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Geographical Reach	Local
Primary Audience	Professional Practitioners
Other Audience	No other audiences
Activity Years	2014
Main purpose	To share information
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
URL	

Activity Title	Sneddon, (2014)c. Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants. COGER
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Paper Presentation
How many people?	51 - 100
Geographical Reach	International
Primary Audience	Postgraduate students
Other Audience	No other audiences
Activity Years	2014
Main purpose	To share information
Result Description	I presented my work which I had conducted over

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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

URL

Activity Title Stakeholder event (2014) A future vision for the coast

Activity Type A formal working group, expert panel or dialogue

Recognised Scheme No

Description

Presentation Type

How many people? 51 - 100

Geographical Reach National

Primary Audience Professional Practitioners

Activity Years 2014

Main purpose To stimulate thinking

Result Description Stakeholder's 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>

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Activity Title	Collaboration with Magnox re. flood risk assessment
Activity Type	A formal working group, expert panel or dialogue
Recognised Scheme	No
Description	
Presentation Type	
How many people?	1 - 10
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To share information
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.
URL	

Activity Title	Prime and Knight (2014). Coastal Decision Support Systems
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	51 - 100
Geographical Reach	National

- Submitted on, 15 Mar 2017

Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To share information
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?	Requests for further information
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

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	Palace Hotel in Manchester.
Presentation Type	
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To share information
Result Description	No recorded results
Impact Description	No notable impacts recorded
Most important impact?	Not aware of any impact.
URL	

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 or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To improve understanding of other's thinking
Result Description	Collaboration with a researcher from Deltares (Robert McCall)

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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

URL

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 or debate

Recognised Scheme No

Description

Presentation Type

How many people? 101 - 500

Geographical Reach International

Primary Audience Other academic audiences (collaborators, peers etc.)

Activity Years 2014

Main purpose To share information

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.

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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 or debate

Recognised Scheme No

Description

Presentation Type

How many people? 11 - 50

Geographical Reach Regional

Primary Audience Other academic audiences (collaborators, peers etc.)

Activity Years 2014

Main purpose To share information

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.

URL

Activity Title Armstrong 2014. Classifying climate change adaptation frameworks, EGU

Activity Type A talk or presentation or debate

Recognised Scheme No

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Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
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 or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	51 - 100
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2013
Main purpose	To improve understanding of other's thinking
Result Description	Presentation given in the opening session of the conference: 'STS Perspectives on Energy'

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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?

Requests about (further) participation or involvement

URL

Activity Title

Fabók 2014a. Wylfa power station and the community. Public talk

Activity Type

A talk or presentation or debate

Recognised Scheme

No

Description

Presentation Type

How many people?

11 - 50

Geographical Reach

Local

Primary Audience

Participants in your research and patient groups

Activity Years

2014

Main purpose

To share information

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?

Requests for further information

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URL

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 or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	
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?	Requests about (further) participation or involvement

URL

Activity Title	Fabók 2014c. Low-carbon energy transitions, geography and politics on the ground – Experiences from the Anglesey Energy Island. Sociology Summer Conference
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Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
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?	Requests about (further) participation or involvement
URL	

Activity Title	Fabók 2014d. Energy infrastructure and the question of politics. Conference 'Helyzet', Budapest
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50

- Submitted on, 15 Mar 2017

Geographical Reach	National
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2014
Main purpose	To share information
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?	Requests about (further) participation or involvement

URL

Activity Title	Fabók 2014e. Politicisation/Depoliticisation of nuclear power. CEU Sociology Summer Conference
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	
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:

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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.

URL

Activity Title Fabók 2014f. Anglesey Energy Island – Low-carbon transitions, politics, geographic scale. SOES PGR Conference, Liverpool

Activity Type A talk or presentation or debate

Recognised Scheme No

Description

Presentation Type

How many people? 11 - 50

Geographical Reach Local

Primary Audience Postgraduate students

Activity Years 2014

Main purpose To share information

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.

URL

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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 or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
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?	Requests about (further) participation or involvement
URL	

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 or debate
Recognised Scheme	No
Description	

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Presentation Type	
How many people?	11 - 50
Geographical Reach	Local
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
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?	Requests about (further) participation or involvement

URL

Activity Title	Fabók 2014j. Nuclear power and political-economic systems. STS, Hungary
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	Local
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information

- Submitted on, 15 Mar 2017

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?	Requests about (further) participation or involvement

URL

Activity Title	Fabok (2014. Workshop organiser: Pre-conference Doctoral Workshop 'Doing STS - within academia and beyond', EASST
Activity Type	Event, workshop or similar
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Postgraduate students
Activity Years	2014
Main purpose	To stimulate thinking
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

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published in EASST Review.

Most important impact?

Requests about (further) participation or involvement

URL

Activity Title

Fabok, M. (2014). Conference co-organiser: 'Science and technology studies (STS) in Hungary' conference, Budapest

Activity Type

Event, workshop or similar

Recognised Scheme

No

Description

Presentation Type

How many people?

11 - 50

Geographical Reach

National

Primary Audience

Other academic audiences (collaborators, peers etc.)

Activity Years

2014

Main purpose

To improve understanding of other's thinking

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?

Requests for further information

URL

<https://stsmuhely.wordpress.com/>

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Activity Title	Prime 2014. Coastal Community Adaptation to Future Potential Climate Change. EGU
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Paper Presentation
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Other audiences
Other Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
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 or debate
Recognised Scheme	No

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Description	
Presentation Type	
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Professional Practitioners
Activity Years	2014
Main purpose	To stimulate thinking
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?	Requests about (further) participation or involvement

URL

Activity Title	Becker, (2014). Redistribution of intertidal sediment contaminants by microphytobenthos. EGU
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Poster Presentation
How many people?	51 - 100
Geographical Reach	International
Primary Audience	Postgraduate students
Other Audience	Other audiences
Activity Years	2014

- Submitted on, 15 Mar 2017

Main purpose	To share information
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	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Paper Presentation
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Postgraduate students
Other Audience	Professional Practitioners, Other audiences
Activity Years	2014
Main purpose	To share information
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

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URL

Activity Title	Becker 2014c. Redistribution of intertidal sediment contaminants by microphytobenthos. Winter Symposium
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Poster Presentation
How many people?	101 - 500
Geographical Reach	Local
Primary Audience	Other audiences
Other Audience	Postgraduate students
Activity Years	2014
Main purpose	To share information
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.

URL

Activity Title	Becker 2014d. Redistribution of intertidal sediment contaminants by microphytobenthos at NNL
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Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Keynote/Invited Speaker
How many people?	1 - 10
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	No other audiences
Activity Years	2014
Main purpose	To share information
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?	Requests for further information
URL	

Activity Title	McCauley 2013. Organiser of 'Going Nuclear' Seminar Series (part 1 Stirling, Liverpool, 2013)
Activity Type	Event, workshop or similar
How many people?	101 - 500
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Postgraduate students, Other audiences
Activity Years	2013

- Submitted on, 15 Mar 2017

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-451-26-08 21/read/keyfindings
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	Event, workshop or similar
How many people?	101 - 500
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Postgraduate students, Other audiences
Activity Years	2014

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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](http://www.esrc.ac.uk/my-esrc/grants/RES-451-26-08%2021/read/keyfindings)

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](http://www.esrc.ac.uk/my-esrc/grants/RES-451-26-08%2021/read/keyfindings)

Activity Title

Bangor University School of Ocean Sciences
Endeavour society seminar: UK storm impacts
and current research

Activity Type

A talk or presentation or debate

Recognised Scheme

No

Description**Presentation Type**

- Submitted on, 15 Mar 2017

How many people?	11 - 50
Geographical Reach	Local
Primary Audience	General public
Activity Years	2014
Main purpose	To share information
Result Description	The talk increased awareness of storm impacts prompting discussion.
Impact Description	An MSc student emailed following the presentation to find out about PhD opportunities in Liverpool.
Most important impact?	Requests about (further) participation or involvement

URL

Activity Title	Cell 11 Regional Monitoring Strategy
Activity Type	A formal working group, expert panel or dialogue
Recognised Scheme	No
Description	
Presentation Type	
How many people?	1 - 10
Geographical Reach	Local
Primary Audience	Professional Practitioners
Activity Years	2015
Main purpose	To stimulate thinking
Result Description	Discussion generated about how to involve research into shoreline management.
Impact Description	There will be a meeting to progress an idea for a knowledge transfer partnership.

- Submitted on, 15 Mar 2017

Most important impact? Requests for further information

URL

Activity Title Flooding 2015: Risks and Resilience Conference

Activity Type Event, workshop or similar

Recognised Scheme No

Description

Presentation Type

How many people? 51 - 100

Geographical Reach National

Primary Audience Professional Practitioners

Activity Years 2015

Main purpose To inform decision making

Result Description Gained new insight into adaptive management for flood risk.

Impact Description Awareness of consultants working in similar areas to strengthen knowledge exchange.

Most important impact? Requests about (further) participation or involvement

URL

Activity Title NW coast practitioner's workshop

Activity Type A talk or presentation or debate

Recognised Scheme No

Description

Presentation Type

How many people? 11 - 50

- Submitted on, 15 Mar 2017

Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Professional Practitioners, Industry/Business
Activity Years	2015
Main purpose	To share information
Result Description	Talk generated questions about coastal research. A collaboration was formed with the Pembroke Coastal Group leading to a successful CASE partner PhD studentship within the Liverpool-Manchester DTP. The student starts September 2016.
Impact Description	Awareness of coastal impacts research was increased.
Most important impact?	Plans made for future related activity
URL	

Activity Title	Knight et al. (2015) Application of flood risk modelling in a web-based geospatial decision support tool for coastal adaptation to sea-level rise
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	101 - 500
Geographical Reach	International
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2015

- Submitted on, 15 Mar 2017

Main purpose To share information

Result Description Activity: UK Sea Level Science Meeting, Session: Extremes and Impacts Liverpool Medical Institute, Liverpool, 12-13 March 2015 P.J. Knight, T. Prime, J. Brown, K. Morrissey and A.J. Plater Feedback from talk, attended by research scientists, government agencies and coastal stakeholders, was positive and encouraging

Impact Description Another research group were interested in using components of the decision support tool

Most important impact? Requests about (further) participation or involvement

URL

Activity Title Prime et al. 2015 Vulnerability of Energy Infrastructure due to Sea Level Rise

Activity Type A talk or presentation or debate

Recognised Scheme No

Description

Presentation Type

How many people? 101 - 500

Geographical Reach International

Primary Audience Other academic audiences (collaborators, peers etc.)

Activity Years 2015

Main purpose To share information

Result Description UK Sea Level Science Meeting, Session: Projections Liverpool Medical Institute, Liverpool, 12-13 March 2015 T. Prime, K. Morrissey and A.J. Plater, The presentation was well received. Questions and responses showed that the audience thought that the techniques for

- Submitted on, 15 Mar 2017

“when to renew infrastructure” were really useful for coastal stakeholders

Impact Description

None reported as yet

Most important impact?

Requests about (further) participation or involvement

URL

Activity Title

Poate, T, Masselink, G et al. (2015) UK storms 2014: Gravel beach response. Coastal Sediments, ASCE, San Diego, USA.

Activity Type

A talk or presentation or debate

Recognised Scheme

No

Description

Presentation Type

How many people?

51 - 100

Geographical Reach

International

Primary Audience

Professional Practitioners

Activity Years

2015

Main purpose

To share information

Result Description

Paper and presentation

Impact Description

None reported to date.

Most important impact?

Not aware of any impact.

URL

Activity Title

Becker (2015a). Environmental Radioactivity and Marine Science, ScienceGrrl Science Fair at MacRobert Arts Centre, University of Stirling

Activity Type

Event, workshop or similar

- Submitted on, 15 Mar 2017

Recognised Scheme	No
Description	
Presentation Type	
How many people?	101 - 500
Geographical Reach	Local
Primary Audience	General public
Activity Years	2015
Main purpose	To stimulate thinking
Result Description	As the workshop facilitator: Children aged from about 3 to 12 (and their parents) attended a science fair comprising a range of displays and activities from the Biological and Environmental Sciences and Mathematics departments. Hands on activities sparked discussion with children and adults.
Impact Description	Primary school teachers that attended asked for further information and indicated that they would be contacting the University to invite activities within local schools. Parents and children requested information on when we might hold another similar event.
Most important impact?	Requests for further information
URL	

Activity Title	Becker (2015b). Poster presentation at COGER (Co-ordinating Group for Environmental Radioactivity) conference at BGS, Keyworth
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	

- Submitted on, 15 Mar 2017

Presentation Type	Poster Presentation
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Postgraduate students
Other Audience	Professional Practitioners
Activity Years	2015
Main purpose	To share information
Result Description	Conference was attended by approximately 60 people with the poster on display over all 3 days of the conference. During the poster session I discussed work with people from other institutions (e.g. BGS) working in similar areas
Impact Description	Contact with SUERC employees concerning analytical methods
Most important impact?	Requests about (further) participation or involvement
URL	

Activity Title	Brown, J. M. et al. (2015) Flood risk uncertainty surrounding a 0.5% annual probability event.
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Professional Practitioners
Activity Years	2015

- Submitted on, 15 Mar 2017

Main purpose	To share information
Result Description	Oral presentation given at The joint 2nd JCOMM Scientific and Technical Symposium on Storm Surges and 14th International Workshop on Wave Hindcasting and Forecasting and 5th coastal hazards symposium, Key West, Florida, USA, 8-13 November, 2015. Other authors: Prime, T., Plater, A.J.
Impact Description	Event in November 2015, more information after this date.
Most important impact?	Requests about (further) participation or involvement

URL

Activity Title	Science Conference: "Flood risk uncertainty surrounding a 0.5% annual probability event."
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	
Geographical Reach	International
Primary Audience	Participants in your research and patient groups
Activity Years	2015
Main purpose	To share information
Result Description	The talk was followed by questions and discussions afterwards.
Impact Description	A new contact in the US with similar research interests.
Most important impact?	Plans made for future related activity

- Submitted on, 15 Mar 2017

URL

<http://www.waveworkshop.org/14thWaves/index.htm>

Activity Title	Becker (2015c). Cadmium uptake from sediment by the diatom <i>Cylindrotheca closterium</i>
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	Paper Presentation
How many people?	101 - 500
Geographical Reach	National
Primary Audience	Other audiences
Other Audience	Professional Practitioners, Postgraduate students
Activity Years	2015
Main purpose	To share information
Result Description	Oral presentation at MASTS (Marine Alliance for Science and Technology for Scotland) annual science meeting at University of Strathclyde, Glasgow: Conference was attended by approximately 350 people. Immediately following my presentation there were questions from the audience and later a discussion with 2 people interested in collaborating in my work.
Impact Description	We have organised a further meeting with a professor from St. Andrews University who would like to become more involved in my work (future collaborations). He will also give a seminar to the department of Biological and Environmental Sciences at Stirling
Most important impact?	Requests for further information

URL

- Submitted on, 15 Mar 2017

Activity Title	Fabok (2015a). Building new nuclear, redefining geographies: A multiscale ethnography of a megainvestment project
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	1 - 10
Geographical Reach	Local
Primary Audience	Postgraduate students
Activity Years	2015
Main purpose	To share information
Result Description	University of Liverpool Departmental 'brown bag' seminar event for around 10 postgraduate students and staff members
Impact Description	None reported as yet
Most important impact?	Not aware of any impact.
URL	

Activity Title	Fabok (2015b). Governing a megainvestment: Understanding an era through a multi-scalar ethnography
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	Regional

- Submitted on, 15 Mar 2017

Primary Audience	Postgraduate students
Activity Years	2015
Main purpose	To share information
Result Description	Presentation in the Lancaster University 5th Postgraduate Science and Technology Studies Conference for around 25 postgraduate students and staff members. Interest from audience and questions and discussion followed.
Impact Description	None reported as yet
Most important impact?	Not aware of any impact.
URL	

Activity Title	Fabok (2015c). Governing a megainvestment
Activity Type	A magazine or newsletter (print or online)
Recognised Scheme	No
Description	
Presentation Type	
How many people?	51 - 100
Geographical Reach	Local
Primary Audience	Other academic audiences (collaborators, peers etc.)
Activity Years	2015
Main purpose	To share information
Result Description	Poster presentation in the Poster Day Online 2015 at the University of Liverpool for a number of postgraduate students and staff members.
Impact Description	None reported as yet
Most important impact?	Not aware of any impact.

- Submitted on, 15 Mar 2017

URL <http://www.liv.ac.uk/pgr-development/poster-day/on line/>

Activity Title Fabok (2015d). Researching a nuclear megainvestment: Three challenges for three years

Activity Type A talk or presentation or debate

Recognised Scheme No

Description

Presentation Type

How many people? 11 - 50

Geographical Reach Local

Primary Audience Postgraduate students

Activity Years 2015

Main purpose To share information

Result Description Presentation at Postgraduate Conference of the School of Environmental Sciences at the University of Liverpool for around 25 of postgraduate students and staff members. Audience expressed interest in topic and asked questions in the Q&A following the presentation.

Impact Description Not aware of any notable impacts

Most important impact? Not aware of any impact.

URL

Activity Title Seminar: Extreme Events & Coastal Vulnerability.

Activity Type A talk or presentation or debate

Recognised Scheme No

- Submitted on, 15 Mar 2017

Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Undergraduate students, Postgraduate students
Activity Years	2016
Main purpose	To share information
Result Description	Discussion afterwards about possible PhD projects.
Impact Description	Invited to join the Marine Knowledge Exchange Network at UEA.
Most important impact?	Plans made for future related activity
URL	

Activity Title	Post Graduate student workshop presentation: Waves, Surge & Coastal Vulnerability
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Professional Practitioners, Undergraduate students, Postgraduate students
Activity Years	2016

- Submitted on, 15 Mar 2017

Main purpose	To share information
Result Description	There was discussion about the research afterwards.
Impact Description	There was interest in the models used in recent research projects to see how they could be used in collaborations.
Most important impact?	Requests for further information
URL	

Activity Title	Seminar: Uncertainties & tipping points associated with coast flood risk
Activity Type	A talk or presentation or debate
Recognised Scheme	No
Description	
Presentation Type	
How many people?	11 - 50
Geographical Reach	Regional
Primary Audience	Professional Practitioners
Other Audience	Undergraduate students, Postgraduate students
Activity Years	2016
Main purpose	To share information
Result Description	Questions and discussion followed the presentation. A collaborative MSc project outline has been produced and is being advertised at Bangor University for the new 2016 student intake. A collaborative PhD proposal was submitted to Envision, Sep 2016. A collaborative research through an MSc project started March 2017.
Impact Description	Ideas for collaborative research were discussed.

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Most important impact? Requests about (further) participation or involvement

URL

Activity Title Conference presentation: Spatio-temporal Variability in the Tipping Points of a Coastal Defence

Activity Type A talk or presentation or debate

Recognised Scheme No

Description

Presentation Type

How many people? 11 - 50

Geographical Reach International

Primary Audience Professional Practitioners

Other Audience Professional Practitioners, Industry/Business, Undergraduate students, Postgraduate students

Activity Years 2016

Main purpose To share information

Result Description There were questions and discussion following the talk.

Impact Description There were suggestions to develop this research in further.

Most important impact? Plans made for future related activity

URL

Activity Title Fabok (2015e) Researching a nuclear megainvestment: An ethnography of Wylfa Newydd

- Submitted on, 15 Mar 2017

Activity Type	A talk or presentation or debate
How many people?	11 - 50
Geographical Reach	Local
Primary Audience	Postgraduate students
Other Audience	Other audiences
Activity Years	2015
Result Description	Presentation at Planning Seminar Series of the School of Environmental Sciences at the University of Liverpool for around 12 postgraduate students and staff members. Purpose to disseminate postgraduate research outcomes to colleagues and academic researchers. This was followed by questions and discussion.
Most important impact?	Not aware of any impact.
URL	

Activity Title	Becker, A.E., Copplesstone, D., Tyler, A.N. and Smith, N. (2015). Contaminant uptake from sediment by microphytobenthos
Activity Type	A talk or presentation or debate
How many people?	51 - 100
Geographical Reach	Regional
Primary Audience	Postgraduate students
Other Audience	Other audiences
Activity Years	2015
Result Description	Gave a 12 minute talk at the department of Biological and Environmental Sciences annual symposium and discussed methods and results with other members of the department

- Submitted on, 15 Mar 2017

Most important impact? Not aware of any impact.

URL

Activity Title Becker & Sneddon (2015) Ad hoc talks to public whilst carrying out fieldwork at Lytham St Annes on 17th & 18th October 2015

Activity Type A talk or presentation or debate

How many people? 11 - 50

Geographical Reach Local

Primary Audience General public

Other Audience No other audiences

Activity Years 2015

Result Description Engaged with the general public (walkers/dog walkers, holiday makers, locals and yacht club members, RLNI volunteers) whilst carrying out ground truthing surveys for remote sensing flights. Discussed what we were doing and its purpose to small groups (2-4 people) whilst carrying out fieldwork near the jetty at Lytham St Anne's and when processing samples at the yacht club dock. Outcomes were raising general interest and awareness. Yacht club members expressed an interest in results of sediment movement study.

Most important impact? Requests for further information

URL

Activity Title Horizon 2020 projects: portal interview

Activity Type A magazine or newsletter (print or online)

How many people? 51 - 100

- Submitted on, 15 Mar 2017

Geographical Reach	International
Primary Audience	Media (as a channel to wider audiences)
Other Audience	Media (as a channel to wider audiences)
Activity Years	2016
Result Description	Interview with Horizon 2020 projects portal editor to print an article on 'Coping with coastal change'.
Most important impact?	Not aware of any impact.
URL	http://www.horizon2020publications.com/H9/#

Activity Title	Sneddon, C.R., Copplestone, D., Tyler, A.N. and Smith, N. (2015a). Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants
Activity Type	A talk or presentation or debate
How many people?	51 - 100
Geographical Reach	Regional
Primary Audience	Postgraduate students
Other Audience	Other audiences
Activity Years	2015
Result Description	Gave a 12 minute talk at the department of Biological and Environmental Sciences annual symposium and discussed project overview and results so far. Answered questions from audience.
Most important impact?	Not aware of any impact.
URL	

Activity Title	Sneddon, C.R., Copplestone, D., Tyler, A.N. and Smith, N. (2015b). COGER. Long-term environmental and health implications of
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morphological change and sediment transport with respect to contaminants

Activity Type A talk or presentation or debate

How many people? 11 - 50

Geographical Reach National

Primary Audience Postgraduate students

Other Audience Other audiences

Activity Years 2015

Result Description Gave a 20 minute talk at the annual COGER meeting at Nottingham and discussed project overview and results so far. Responded to questions from audience.

Most important impact? Not aware of any impact.

URL

Activity Title Sneddon, C.R., Copplestone, D., Tyler, A.N. and Smith, N. (2015c). Long-term environmental and health implications of morphological change and sediment transport with respect to contaminants

Activity Type A talk or presentation or debate

How many people? 11 - 50

Geographical Reach Local

Primary Audience Postgraduate students

Other Audience Other audiences

Activity Years 2015

Result Description Gave a 50 minute talk at a weekly departmental lecture slot and discussed project overview and results so far. Responded to questions from audience.

- Submitted on, 15 Mar 2017

Most important impact? Not aware of any impact.

URL

Activity Title ARCoES decision-support system dissemination at National Grid's Annual Leadership Event, 23/24 November 2015

Activity Type Event, workshop or similar

How many people? 101 - 500

Geographical Reach National

Primary Audience Professional Practitioners

Other Audience Policymakers/politicians, Professional Practitioners, Industry/Business

Activity Years 2015

Result Description Attendance at National Grid's Annual Leadership Event at the Ricoh Arena to disseminate the ARCoES decision-support system and to obtain feedback on its efficacy for operational/strategic planning. Audience of c.200 professional practitioners in the energy distribution sector were invite to learn about and feedback on the DSS.

Most important impact? Requests about (further) participation or involvement

URL

Activity Title Plater A.J. (2015), Energy and Resilience. RUSI Resilience Conference 2015: Sustaining Resilience - The Need for a Long Term Vision, London, 26-27 Oct 2015

Activity Type A formal working group, expert panel or dialogue

How many people? 101 - 500

- Submitted on, 15 Mar 2017

Geographical Reach	International
Primary Audience	Professional Practitioners
Other Audience	Media (as a channel to the public), Policymakers/politicians, Professional Practitioners, Industry/Business, Third sector organisations
Activity Years	2015
Result Description	Presentation of ARCoES research findings to inform debate on future energy security and infrastructure resilience. Audience of more than 100 drawn from a range of policy makers, decision-makers, professional practitioners and business. Debate focussed on the risks to future energy supply from climate change and other environmental/economic/societal threats.
Most important impact?	Requests for further information
URL	https://rusi.org/conference/resilience-conference-2015-sustaining-resilience-need-long-term-vision

Activity Title	Plater, AJ, Smith, N., Selby I and Dodds D. (2015) Addressing coastal flooding and erosion: partnerships, innovation and funding. BHS National Meeting on Impacts of Flooding on Critical Infrastructure: a Stakeholder-Oriented Approach
Activity Type	A talk or presentation or debate
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Professional Practitioners, Industry/Business, Third sector organisations
Activity Years	2015
Result Description	Invited presentation at the BHS National Meeting on Impacts of Flooding on Critical Infrastructure: a Stakeholder-Oriented Approach. In excess of 50 attendees drawn from professional

- Submitted on, 15 Mar 2017

practitioners and industry with responsibility for addressing risks for flooding and climate change. Debate centred on the mechanisms for supporting and delivering collaborative working with stakeholders.

Most important impact?

Requests for further information

URL

https://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0ahUKEwi8tZ_8yrTLAhWFMB0KHbJxCzsQFggdMAA&url=http://www.hydrology.org.uk/dms-files.php?id=1020&action=doc&usg=AFQjCNEVGZVx092rgr3YbMCe-VJmbsDLTA&cad=rja

Activity Title

Street RB and Plater AJ (2015) Built Environment Design in an Age of Climate Change: Adaptation, Resilience and the Role of Interdisciplinary Research Networks. Presentation at the ESRC DTC workshop on Enhancing Disciplinarity, 30th Jan 2015

Activity Type

A talk or presentation or debate

How many people?

51 - 100

Geographical Reach

National

Primary Audience

Professional Practitioners

Other Audience

Professional Practitioners, Supporters, Postgraduate students

Activity Years

2015

Result Description

Invited joint presentation on the benefits of interdisciplinary working to a mixed audience of c.60 attendees drawn from research partners, local/regional decision-makers, professional practitioners and postgraduate students. Discussion focussed on the challenges and advantages of interdisciplinary working, and plans for future collaboration.

Most important impact?

Plans made for future related activity

URL

<https://enhancinginterdisciplinarity.wordpress.com>

- Submitted on, 15 Mar 2017

Activity Title	Plater AJ (2015) Mitigation or pre-adaptation? The role of marine science in future-proofing coastal economies. Liverpool Marine Symposium, 28th January 2015
Activity Type	A talk or presentation or debate
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Professional Practitioners, Postgraduate students, Other audiences, Third sector organisations
Activity Years	2015
Result Description	Invited presentation on the research undertaken on the ARCoES and ERIIP Sandscaping projects. Discussion amongst c.70 attendees drawn from professional practitioners, local authorities, environmental regulators and researchers focussed on strategic research for protection coastal populations and infrastructure.
Most important impact?	Plans made for future related activity
URL	

Activity Title	Plater AJ, Prime T, Knight P, Morrissey K and Brown JM (2015) Flooding Risk for Coastal Infrastructure: a Stakeholder-Orientated Approach. Invited presentation at the AGU 2015 Fall Meeting, 15-19th December 2015.
Activity Type	A talk or presentation or debate
How many people?	11 - 50

- Submitted on, 15 Mar 2017

Geographical Reach	International
Primary Audience	Professional Practitioners
Other Audience	Professional Practitioners, Industry/Business, Postgraduate students, Other audiences
Activity Years	2015
Result Description	Invited presentation on ARCoES and ERIIP research, illustrating how research outputs inform decision-makers and support stakeholder operational and strategic planning. Discussion across professional and academic audience centred on how stakeholders fed into the design of the research.
Most important impact?	Requests about (further) participation or involvement

URL

Activity Title	Plater AJ (2015) Impacts of Climate Change on Coastal (Nuclear) Energy Infrastructure. Invited presentation at 'Future delivery of energy in a changing climate: Risks and Solutions', Edinburgh 22nd October 2015
Activity Type	Event, workshop or similar
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Professional Practitioners, Industry/Business
Activity Years	2015
Result Description	Presentation of key messages from ARCoES project with some outcomes of ERIIP Sandscaping project. Debate amongst c.40 energy professionals and decision-makers focussed on future energy

- Submitted on, 15 Mar 2017

resilience and how to embed the ARCC research findings into practice and policy.

Most important impact? Requests about (further) participation or involvement

URL

Activity Title Plater AJ (2015) Impacts of Sea-level Rise and Storms on Coastal Energy Infrastructure. Invited presentation at Adaptation and Resilience of the UK Energy System to Climate Change: science-policy/practice briefing, London, 12 November 2015

Activity Type Event, workshop or similar

How many people? 11 - 50

Geographical Reach National

Primary Audience Policymakers/politicians

Other Audience Policymakers/politicians, Professional Practitioners, Industry/Business

Activity Years 2015

Result Description One of three presentations from the ARCC energy projects outlining the challenges to future energy supply from climate change. Discussion amongst c.35 attendees centred on how the research findings will feed into future policy and practice across the energy sector.

Most important impact? Audience reported change in views, opinions or behaviours

URL https://www.google.co.uk/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0ahUKEwjWu4nc1bTLAhULWxoKHaLFC hgQFggcMAA&url=http://www.arcc-network.org.uk/wp-content/pdfs/Energy-participants-attendees.pdf&usg=AFQjCNGW_n66lmOFIHCQ_EpG78rOReAA8A&cad=rja

Activity Title Prime T (2015) Modeling the impacts of sea level rise
- Submitted on, 15 Mar 2017

and storms on coastal energy infrastructure. Invited contribution to workshop on identifying ways to ecosystem-based urban coastal climate change adaptation. London, 16th February 2016

Activity Type	A formal working group, expert panel or dialogue
How many people?	51 - 100
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Professional Practitioners, Industry/Business
Activity Years	2015
Result Description	Invited participation in workshop to heighten awareness and enthusiasm in a new urban coastal climate change adaptation project and gain stakeholder perspectives on the key challenges and opportunities for delivering ecosystem-based approaches to urban climate change adaptation.
Most important impact?	Plans made for future related activity
URL	http://gtr.rcuk.ac.uk/projects?ref=NE/M010546/1

Activity Title	Nottingham University Life in Changing Environments Research Priority Area Seminar
Activity Type	A talk or presentation or debate
How many people?	11 - 50
Geographical Reach	Local
Primary Audience	Professional Practitioners
Other Audience	Professional Practitioners, Undergraduate students, Postgraduate students
Activity Years	2016
Result Description	Seminar on Uncertainties & tipping points

- Submitted on, 15 Mar 2017

associated with coastal flood hazard. Discussion & questions about coastal research followed. New networks were developed with departments within Nottingham University.

Most important impact?

Requests about (further) participation or involvement

URL

Activity Title

Knight, P (2016) Build your own flood defences activity at 'Meet the Scientist' event, World Museum, Liverpool

Activity Type

Event, workshop or similar

How many people?

51 - 100

Geographical Reach

Local

Primary Audience

General public

Other Audience

No other audiences

Activity Years

2016

Result Description

I took part in a "Meet the Scientist" event at Liverpool World Museum. My activity was called "Build your own flood defences" I displayed the ARCoES Decision Support Tool, as well as providing an interactive activity for school kids (Aged 4-15) The activity involved building sea defences with playdough. Houses were added behind the sea defences on playdough land. Then water was added at the front of the defences to simulate a high tide. The kids were encouraged to make the defences and think about protection. They were then given straws to simulate a storm surge. I provided extra wind by using a hair-drier. A combination of these produced an extreme water level which over-topped the defences. Discussion was then focused on which houses remained dry. The activity was reset each time, so the kids started

- Submitted on, 15 Mar 2017

off with an empty tray; At least 60 kids took part in this activity. Feedback from parents was encouraging. I was also able to demonstrate the DST to older kids, parents and other interested members of the public.

Most important impact?

Audience reported change in views, opinions or behaviours

URL

Activity Title

Challenger Society presentation: Sandscaping in the UK - Innovative approaches to increase the effectiveness of adaptive coastal management schemes.

Activity Type

A talk or presentation or debate

How many people?

11 - 50

Geographical Reach

National

Primary Audience

Professional Practitioners

Other Audience

Policymakers/politicians, Professional Practitioners, Public/other audiences, Industry/Business, Undergraduate students, Postgraduate students

Activity Years

2016

Result Description

Conference presentation followed by questions.

Most important impact?

Plans made for future related activity

URL

Activity Title

Plater, Knight, (2016). Presentations at Ravenglass Saltmarsh Research seminar

Activity Type

A talk or presentation or debate

How many people?

51 - 100

Geographical Reach

Regional

- Submitted on, 15 Mar 2017

Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Industry/Business, Postgraduate students
Activity Years	2016
Result Description	Presentations of research Decision Support Tool and other research outputs to demonstrate capabilities to the research outputs. These led to questions and discussions regarding project research outputs and included discussion regarding presentations to a wider range of stakeholders.
Most important impact?	Requests about (further) participation or involvement

URL

Activity Title	Becker, Sneddon, Copplestone (2016). Presentations at Ravenglass Saltmarsh research seminar
Activity Type	A talk or presentation or debate
How many people?	51 - 100
Geographical Reach	Regional
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Industry/Business, Postgraduate students
Activity Years	2016
Result Description	Presentation of research outputs / research progress. Questions and discussions arose from the presentations
Most important impact?	Not aware of any impact.

URL

- Submitted on, 15 Mar 2017

Activity Title	Plater, Knight, Horsburgh, Brown, Lyddon (2016). Into the Blue event onboard the NOC ship 'Discovery'
Activity Type	Event, workshop or similar
How many people?	More than 500
Geographical Reach	National
Primary Audience	Schools
Other Audience	Media (as a channel to the public), Policymakers/politicians, Professional Practitioners, Public/other audiences, Industry/Business, Supporters, Undergraduate students, Postgraduate students, Other audiences
Activity Years	2016
Result Description	Participation in showcasing the best in research facilities and scientific research on the ship Discovery (NERC / NOC enterprise), when she is moored at Liverpool 4 - 7 October 2016. Promoting the best in environmental research involving NOC (National Oceanography Centre) and NERC to a wide audience at a number of events across the four days. Events led to many questions and discussions and interest from schools.
Most important impact?	Requests for further information
URL	http://noc.ac.uk/news/rrs-discovery-visits-liverpool-0

Activity Title	Building resilient shorelines in a changing coastal climate
Activity Type	A formal working group, expert panel or dialogue
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Professional Practitioners

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Other Audience Policymakers/politicians, Professional Practitioners, Industry/Business, Undergraduate students, Postgraduate students

Activity Years 2016

Result Description Presentation on Building resilient shorelines in a changing coastal climate, which enabled questions about research activities. Coastal Special interest group meeting, Exeter

Most important impact? Not aware of any impact.

URL

Activity Title Phillips B (2017). Presentation at a school: Informing coastal management under a changing climate

Activity Type A talk or presentation or debate

How many people? 11 - 50

Geographical Reach Local

Primary Audience Schools

Other Audience No other audiences

Activity Years 2017

Result Description A talk "Informing coastal management under a changing climate" on 6th February 2017 to A-Level students, St Laurence School, Bradford on Avon, Wilts. Students stayed after school for the talk and at end of the talk one student came up to the presenter to ask for more detail about Tom Prime's Dungeness work,.

Most important impact? Requests for further information

URL

Activity Title Dean M, Morrissey, K, Plater A. (2016).
Conference presentation: The Value of Constant Electricity Supply: A Non-market Approach. RSAI 45th Annual Conference.

Activity Type A talk or presentation or debate

How many people? 1 - 10

Geographical Reach National

Primary Audience Other audiences

Other Audience Professional Practitioners

Activity Years 2016

Result Description Conference presentation at RSAI British and Irish Section 45th Annual Conference, 30 August - 1 September 2016, Newquay, UK. Purpose was to present findings of academic research. There were questions and discussion after the event, and this was followed up by a senior academic with suggestions for further work.

Most important impact? Not aware of any impact.

URL

Activity Title Prime T, Morrissey K, Plater A. (2016).
Conference presentation: An Economic Appraisal of the Vulnerability of Energy Infrastructure: A Real Options Approach

Activity Type A talk or presentation or debate

How many people? 11 - 50

Geographical Reach International

Primary Audience Other audiences

Other Audience Professional Practitioners

Activity Years 2016

- Submitted on, 15 Mar 2017

Result Description Conference presentation at RSAI British and Irish Section 45th Annual Conference, 30 August - 1 September 2016, Newquay, UK. A number of questions were asked following the presentation and there were further discussions later at the conference.

Most important impact? Not aware of any impact.

URL

Activity Title Becker, A.E., Copplestone, D. and Tyler, A.N. (2016). Conference presentation: The influence of diatoms on cadmium mobility in the estuarine environment

Activity Type A talk or presentation or debate

How many people? 11 - 50

Geographical Reach National

Primary Audience Postgraduate students

Other Audience Other audiences

Activity Years 2016

Result Description National conference: COGER (Co-ordinating Group for Environmental Radioactivity) conference at University of Glasgow in 2016. Purpose of presentation was to share information and research findings. Audience engaged with the presentation and asked questions afterwards.

Most important impact? Not aware of any impact.

URL

Activity Title Conference presentation: Becker, A.E., Copplestone, D. and Tyler, A.N. (2016). The influence of diatoms on cadmium mobility in the estuarine environment

- Submitted on, 15 Mar 2017

Activity Type	A talk or presentation or debate
How many people?	51 - 100
Geographical Reach	International
Primary Audience	Postgraduate students
Other Audience	Other audiences
Activity Years	2016
Result Description	Conference presentation to disseminate research findings at ECSA 56 Coastal Systems in Transition, Bremen, Germany, September 2016. Audience asked questions after the talk.
Most important impact?	Not aware of any impact.
URL	http://www.estuarinecoastalconference.com/

Activity Title	Public Seminar - The consequences of climate change at the coast.
Activity Type	A talk or presentation or debate
How many people?	11 - 50
Geographical Reach	Local
Primary Audience	General public
Other Audience	Public/other audiences, Industry/Business
Activity Years	2017
Result Description	Public seminar followed by discussion. To promote an awareness of coastal impacts from storms and sea level rise.
Most important impact?	Requests for further information
URL	

Activity Title	Conference presentation - Science based tools
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	informing coastal management in a changing climate
Activity Type	A talk or presentation or debate
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Undergraduate students, Postgraduate students
Activity Years	2017
Result Description	Conference presentation at Coastal Dynamics, Helsingør, DK. To share knowledge.
Most important impact?	Not aware of any impact.
URL	

Activity Title	Sneddon C, 2016. COGER presentation
Activity Type	A talk or presentation or debate
How many people?	11 - 50
Geographical Reach	International
Primary Audience	Postgraduate students
Other Audience	Professional Practitioners, Study participants or study members, Third sector organisations
Activity Years	2016
Result Description	The purpose was to present current findings from PhD research at a conference. Audience were interested in the research and asked questions. No other outcomes are yet known.
Most important impact?	Not aware of any impact.
URL	

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Activity Title	Sneddon C 2016. Poster presentation at Estuarine and Coastal Sciences Association (ECSA) Bremen Germany
Activity Type	A talk or presentation or debate
How many people?	101 - 500
Geographical Reach	International
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Public/other audiences, Industry/Business, Undergraduate students, Postgraduate students, Other audiences, Study participants or study members, Third sector organisations
Activity Years	2016
Result Description	To share information on research findings with a wide range of academic and professional personnel. Presentation of research findings via poster at the ECSA conference and there were discussions with other researchers. No other outcomes yet known.
Most important impact?	Not aware of any impact.
URL	http://www.estuarinecoastalconference.com/

Activity Title	Sneddon c, 2016. Ravenglass Saltmarsh Research Seminar
Activity Type	A formal working group, expert panel or dialogue
How many people?	11 - 50
Geographical Reach	National
Primary Audience	Professional Practitioners
Other Audience	Policymakers/politicians, Industry/Business, Postgraduate students, Study participants or study members
Activity Years	2016
Result Description	The activity was a workshop where by a number of - Submitted on, 15 Mar 2017

people presented their work (I co-authored a presentation with David Coplestone). The workshop involved a discussion about the issues surrounding saltmarshes etc.

Most important impact? Not aware of any impact.

URL http://www.altran.co.uk/fileadmin/medias/UK.altran.co.uk/documents/PDFs_for_download/27.09_Ravenglas_Saltmarsh_Research_Seminar_-_Flyer.pdf

Activity Title Fabok M, 2016. Science and technology studies (4S-EASST) conference, Barcelona

Activity Type A talk or presentation or debate

How many people? 11 - 50

Geographical Reach International

Primary Audience Other audiences

Other Audience Postgraduate students

Activity Years 2016

Result Description Presentation and organisation of special session at the conference. The special session was successful and appreciated by presenters and audiences. There was discussion and questions following the presentations.

Most important impact? Requests for further information

URL <http://www.sts2016bcn.org/>

Activity Title Workshop Presentation

Activity Type A formal working group, expert panel or dialogue

How many people? 11 - 50

Geographical Reach National

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Primary Audience Professional Practitioners

Other Audience Policymakers/politicians,Professional Practitioners, Industry/Business, Postgraduate students

Activity Years 2016

Result Description Wolf, J. (2016) NOC: Current capabilities, future priorities and funding. 2nd Coastal Workshop, CEH Lancaster, 7-8 January 2016.

Most important impact? Plans made for future related activity

URL

Activity Title Invited Talk

Activity Type A formal working group, expert panel or dialogue

How many people? 11 - 50

Geographical Reach National

Primary Audience Professional Practitioners

Other Audience Policymakers/politicians,Professional Practitioners, Industry/Business,Postgraduate students, Study participants or study members

Activity Years 2016

Result Description Wolf, J. (2016) The Perfect Storm: Exploring wave climate projections and the upper limit of coastal flooding for the UK. Invited talk, Challenger Waves Special Interest Group, HR Wallingford, 19-20 Oct 2016

Most important impact? Plans made for future related activity

URL

Activity Title Invited Talk

Activity Type A talk or presentation or debate

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How many people?	11 - 50
Geographical Reach	Local
Primary Audience	Undergraduate students
Other Audience	Postgraduate students
Activity Years	2016
Result Description	Wolf, J. (2016) Climate change and marine renewable energy. The Oceanography Society, Liverpool, Nov 2016.
Most important impact?	Not aware of any impact.
URL	

Activity Title	Dissemination Event - NW Region
Activity Type	Event, workshop or similar
How many people?	1 - 10
Geographical Reach	Regional
Primary Audience	Policymakers/politicians
Other Audience	Professional Practitioners, Industry/Business
Activity Years	2017
Result Description	Dissemination and discussion of ARCoES decision-support tool at Crosby Lakeside Visitor Centre, focussing on feedback from coastal stakeholders.
Most important impact?	Requests about (further) participation or involvement
URL	

Influence on Policy

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Influence Name	LWEC Policy and Practice Notes No.30, May 2016
Influence Type	Implementation circular/rapid advice/letter to e.g. Ministry of Health
Title	
Cited Publication	
Healthcare Area	
Issuing Organisation	
Year First Realised	2016
Geographic Influence	National
Country	United Kingdom of Great Britain & Northern Ireland (UK)
Area of policy influence.	Energy, Environment, Government, Democracy Justice
Describe Other	
Specific Impacts	Not known
Impact Description	
URL	

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

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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

Year First Provided

Impact Description

Improved monitoring of beach morphology changes under energetic conditions

URL

Artistic and Creative Products

Short title or name for the product.

Narrated walk

Type of creative product.

Performance (Music, Dance, Drama, etc)

Briefly describe creative product.

Colne rising, A Kirklees Festival Walk led by writer Sarah Hymas. A poetic narration to raise awareness of sea level rise and flood risk due to climate change.

Year output was realised.

2015

Briefly describe notable impacts.

Raised awareness of coastal impacts in inland communities. The walk was lead in Marsden Yorkshire and the narration remains available through the web.

output URL.

<http://www.bearhuntingkirklees.com/main-programme/>

Short title or name for the product.

Science in Society

Type of creative product.

Film/Video/Animation

Briefly describe creative

This short film is the first in a series of five. This film
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product. shows the relevance of the ARCoES project research to society.

Year output was realised. 2016

Briefly describe notable impacts. None noted as yet

output URL. <https://www.youtube.com/watch?v=hD5TYuX6W8E>

DOI

Short title or name for the product. Supporting Decision Makers

Type of creative product. Film/Video/Animation

Briefly describe creative product. This is the second of five films from the ARCoES project. This film shows how the project team worked with stakeholders who were decision makers, and the benefits of the research outputs to those people and organisations. The film is available to the public on YouTube.

Year output was realised. 2017

Briefly describe notable impacts. This film has been selected for showing at the European Geosciences Union (EGU) general assembly 2017, see schedule
<http://meetingorganizer.copernicus.org/EGU2017/oral/26201> The film will be shown during three different GeoCinema sessions and this will promote the work of the project to a wider, international audience.

output URL. https://www.youtube.com/watch?v=Dh8-n1kx_pg

DOI

Short title or name for the product. Film 3: Impacting the Environment

Type of creative product. Film/Video/Animation

Briefly describe creative product. Third in a series of short films showing the breadth
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product. of research from the ARCoES project. This one covers 'Impacting the Environment'.

Year output was realised. 2017

Briefly describe notable impacts. None notified as yet.

output URL. <https://youtu.be/dS2UNXwLHfM>

DOI

Short title or name for the product. Film 4: Storm chasing

Type of creative product. Film/Video/Animation

Briefly describe creative product. This is film 4 if a series of short films. This covers the novel methodology to monitor the changes in beach morphology before and after storms and how data was collected for research.

Year output was realised. 2017

Briefly describe notable impacts. None reported as yet.

output URL. <https://www.youtube.com/watch?v=FflX9Aq8Yjg>

DOI

Short title or name for the product. Film 5: Applying Computer Models

Type of creative product. Film/Video/Animation

Briefly describe creative product. This is the last short film in the series of five that is a novel method of disseminating and promoting ARCoES project research to a wider audience than academic outputs such as publications. All five can be accessed from links on the ARCoES website. Applying Computer Models promotes the work of the National Oceanography Centre (NOC) and their expertise in oceanic and coastal modelling and links to climate

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change, and shows NOC involvements in the project. The film shows a few examples of the outcomes of models.

Year output was realised. 2017

Briefly describe notable impacts. None reported as yet.

output URL. <https://www.youtube.com/watch?v=rnc5O9zCIDU>

DOI

Software and Technical Products

Short title or name for the product. ARCoES online Decision-Support Tool

Select type of technical product. Webtool/Application

Open Source

Open Source license

Briefly describe technical product. Online map viewer to explore vulnerability to future flooding from sea-level rise and storm surges.

Select the year that this output was realised. 2017

Briefly describe notable impacts. Informing coastal decision makers and the energy sector of potential vulnerability of coastal infrastructure to future flooding.

URL. <https://arcoes-dst.liverpool.ac.uk/>

DOI

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Key Findings

Key Findings?

Yes

Discoveries

To date (project ongoing): a. Nuclear power stations are located on shorelines that are resilient to storm surges. b. Flooding due to storm surges, wave overtopping of sea defences and high river flows may combine to produce greater areas and depths of flooding. This risk is likely to increase in the future with sea-level rise c. Flood events with the same probability may result from different combinations of wave height and extreme water level, causing different flood extents and depths. d. Incremental projections of future sea-level rise identify 'tipping points' at which the extent of flooding increases greatly, requiring a step change in management strategy and resourcing. These thresholds may be explored using an open-source decision-support tool. e. The Real Options methodology provides a probabilistic assessment of the optimal time for investment in energy distribution assets to build resilience to future sea-level rise. f. Projections of future flooding identify coastal locations that are less suited for the next generation of energy infrastructure. g. Implementation of tidal barrages as a means for combining energy generation with enhanced sea defence capability has the potential to both decrease and increase future flooding in adjacent areas. h. Innovative sea defence by 'Landscaping' works with natural processes to reduce coastal erosion and simultaneously create habitats and environments.

Further Details	https://arcoes-dst.liverpool.ac.uk/
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.
Interest to sectors	Communities and Social Services/Policy, Education, Energy, Environment, Government, Democracy and Justice, Transport

Narrative Impact

Impacts?	Yes
Findings	The online decision-support tool (https://arcoes-dst.liverpool.ac.uk/) is being taken up by the coastal decision-making community for exploring future vulnerability to flooding from sea-level rise and storm surges.
Date Materialised	2017
Type of Impact	Economic
Sectors used	Communities and Social Services/Policy, Energy, Environment, Government, Democracy and Justice

Secondments, placements and internships to or from other organisations

Secondments	No
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