

Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solutions and outcomes
<p>CUE East commissioned BBC Making History Workshop, 'The Value of Research?' 2009 at Voluntary Norfolk, Norwich</p> <p>Postgraduate researchers and members of the public working together on the value of research.</p> <p>The Workshop was exploratory, with the brief and invitation made deliberately non-prescriptive: <i>"a course with UEA exploring life experience... to talk about the value of research"</i>. The idea was to give the group opportunity to develop their own objectives around the central subject area, although CUE East had identified a series of outline questions to the facilitators to frame discussions including, 'what use is research?'</p>	<p>Postgraduate Researcher</p> <p>Lecturer</p>	<p>5 Postgraduate Researchers</p> <p>5 members of the public (selected by BBC Voice)</p> <p>1 author</p> <p>2 Lecturers</p> <p>Inputs: Four week programme (one session per week) and creative/life writing 'homework'</p> <p>Outputs: audio recordings of writing on two subjects; 'who inspired me' and 'the relationship between UEA and the community'.</p> <p>Evaluation Report by Beacons Researcher and 'culture change' change study for CUE East. Decision to include a workshop in next year's CUE East Engagement CPD Programme for UEA staff</p>	<p>May be discouraged by supervisor in the context of negative perceptions about the value of public engagement and how it may or may not enhance research</p> <p>Culture of university may not be conducive to public engagement i.e. a lack of institutional support (see CUE East baseline research on the perceptions of public engagement in UEA academic staff)</p> <p>Lack of confidence and motivation</p> <p>Lack of relevant opportunities</p> <p>Lack of experience/skills</p>	<p>Early stage career; an opportunity to explore and realise the potential of public engagement.</p> <p>Coming off campus and connecting with another organisation (Workshop held off campus, at Voluntary Norfolk in Norwich city centre).</p> <p>Postgraduate researchers leading by example and instigating new ideas for public engagement</p> <p>Experiential learning which leads to greater confidence, ownership of the activity and the desire to do more</p> <p>Providing structure and opportunity to get involved in activities relevant to own research/subject area</p> <p>Timely training, professional facilitators (an author, a UEA lecturer in counselling skills and a UEA lecturer in creative writing), reflection encouraged</p> <p>Learning outcomes (as described by the postgraduate researchers themselves)</p> <p>Participant outcomes were achieved in four areas: 'Personal'; 'Interpersonal'; 'Skills' and 'Topic specific'</p>

		<p>Cost: £3,200</p>	<p>and included,</p> <ul style="list-style-type: none"> • An insight into the creative writing process itself. • Learning how creative writing could be used to inform thesis writing and writing reflective journals • Opening up different ways to think, understand and express things creatively • An increased awareness of the University's commitment to engaging with the public • A fresh enthusiasm for public engagement and an increased appreciation of its importance • Recognition of the need for 'inward' engagement also i.e. postgraduate researchers should be supported in becoming more 'connected' to their own university or institution <p><i>"I suppose using creative writing as a way of processing thoughts hasn't been something I've used before but it has opened up different ways for me to think and understand things and express things creatively, as opposed to more of a constrained academic style."</i></p> <p>Postgraduate researcher</p> <p><i>"I think probably just a new enthusiasm for, I guess, research in general and kind of bringing it to the community... It did just kind of ignite this idea behind the fact that anything you are doing is relevant to society."</i></p> <p>Postgraduate researcher</p>
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For more information contact: Julie Worrall, Project Director, CUE East (UEA)

Funded by: CUE East (UEA) www.cueeast.org

CUE East is funded by the UK Funding Councils, Research Councils UK and the Wellcome Trust

Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solutions and outcomes
<p>UEA Social Science Cafés at the first Norwich & Norfolk Sustainable Living Festival 2009, presented by CUE East & Partners at The Forum, Norwich</p> <ul style="list-style-type: none"> • Green speak: How to talk people into compost bins and other inconveniences. • The Past: A resource for the future. • Is it selfish to have more than two children? • Water Conflicts or Water Wars? • Increasing happiness, decreasing consumption. • Carbon Management and small firms. 	<p>Postgraduate Researcher</p> <p>Research Associate</p> <p>Lecturer Head of School</p> <p>Senior Lecturer</p>	<p>1 Postgraduate Researcher 2 Research Associates 3 Lecturers 1 Head of School 1 Senior Lecturer</p> <p>Inputs: Six cafés of 1 hour duration (all went over time) with 7 – 20 participants.</p> <p>Outputs: ‘Five Everyday Ways to Mental Wellbeing’ cards produced by Research Associate. Request from Norfolk County Council for a café for their staff on Increasing happiness, decreasing consumption. Further meetings with CUE East to explore engagement opportunities and projects.</p> <p>Cost: £1,100</p>	<p>May be discouraged by supervisor in the context of negative perceptions about the value of public engagement and how it may or may not enhance research</p> <p>Culture of university and pressures upon staff may not be conducive to public engagement i.e. a lack of institutional support (see CUE East commissioned baseline research on the perceptions of public engagement in UEA academic staff)</p> <p>Lack of confidence and motivation</p> <p>Lack of relevant opportunities and lack of time</p>	<p>Early stage career; an opportunity to explore and realise the potential of public engagement.</p> <p>Established career; an opportunity to explore and realise the potential of public engagement – it’s never too late!</p> <p>Postgraduate researchers and academics leading by example and instigating new ideas for public engagement</p> <p>Getting UEA staff and students off campus (at The Forum, Norwich city centre) and contributing to a greater awareness amongst the residents of Norwich of the University and what we do.</p> <p>Experiential learning which leads to greater confidence, ownership of the activity and the desire to do more</p> <p>Providing structure and opportunity to get involved in activities relevant to own research/subject area</p> <p><i>“I feel that the concept of a "cafe" discussion, with academics in any field, is an excellent way of bringing research out of the academy and stimulating informed, informal public thought and</i></p>

				<p><i>dialogue on issues of interest and importance.”</i> Research Associate</p> <p><i>“I think the university needs to be committed to public engagement activities in particular outside of the university environment to promote the work that we do. Many people coming to the sessions admitted to be intimidated by the prospect of talking to an academic, but once they realised that there was nothing to be scared of really enjoyed the experience!”</i> Research Associate</p>
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Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solutions and outcomes
<p>UEA Transitions Postgraduate Research Showcase 2008 at The Forum, Norwich A poster exhibition showcasing the research being undertaken by postgraduate researchers at UEA and the Norwich Bioscience Institutes.</p> <p>UEA's Centre for Staff & Educational Development trained the researchers on presentation and communications skills and poster design for a public audience. The general public talked to the researchers about their research and its real world applications, and voted for their favourite poster.</p> <p>A CUE East Public Engagement Award was also given. The all day event ended with a reception hosted by the VC for local businesses and others where four of the postgraduate researchers presented their research.</p>	<p>Postgraduate Researcher</p>	<p>30 Postgraduate Researchers</p> <p>4 Poster Judges; May Gurney, CUE East, the Workhouse and Paul Zuckerman</p> <p>Vice-Chancellor's Presentation Award</p> <p>Inputs: Training; poster production; one day exhibition and many interactions with members of the public; evening presentations to VC and local employers</p> <p>Outputs: awards, posters used at subsequent events and meetings. Further meetings with CUE East to explore engagement opportunities and projects. Case study, Linda Birt, CUE East Public Engagement Award, on CUE East</p>	<p>May be discouraged by supervisor in the context of negative perceptions about the value of public engagement and how it may or may not enhance research</p> <p>Culture of university and pressures upon staff may not be conducive to public engagement i.e. a lack of institutional support (see CUE East commissioned baseline research on the perceptions of public engagement in UEA academic staff)</p> <p>Lack of confidence and motivation</p> <p>Lack of relevant opportunities</p> <p>Lack of experience/skills</p>	<p>Early stage career; an opportunity to explore and realise the potential of public engagement.</p> <p>Getting UEA staff and students off campus (at The Forum, Norwich city centre) and contributing to a greater awareness amongst the city's residents of the University and what we do.</p> <p>Postgraduate researchers leading by example and instigating new ideas for public engagement</p> <p>Experiential learning which leads to greater confidence, ownership of the activity and the desire to do more</p> <p>Providing structure and opportunity to get involved in activities relevant to own research/subject area</p> <p>Timely training, professional trainers (UEA's Centre for Staff & Educational Development), communication, presentation and networking skills, poster design for a non-academic audience and</p>

		website. Workshop for the East Anglian Hub of Vitae, Autumn 2009 Cost: £4,000		reflection encouraged
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For more information contact: Julie Worrall, Project Director, CUE East (UEA)

<http://careers.uea.ac.uk/showcase/>

Funded by: UEA Roberts Funding and sponsorship (May Gurney, The Workhouse and CUE East)

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Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solution(s)
<p>Gene Jury: The Gene Jury workshops are a fun and interactive way for school pupils (P4-S1) to explore modern bioscience and the impact it has on everyday life. The project is developed and presented by a part time science communicator. Final year undergraduates carried out development work as their final project. First year undergraduates worked as a small group to carry out their first year project based around one of the workshops. Academic and research staff gave up to date subject knowledge for the workshop content. Postgraduates assisted in workshop presentation.</p>	<p>Undergraduates Postgraduates Academic staff</p>	<p>8 undergraduates 4 postgraduates Various academic and research staff</p>	<p>Lack of experience for presentation, working in schools</p> <p>Motivation</p> <p>Individual researchers have specific needs – different availability, time, skills, and confidence.</p> <p>Knowing which are the best researchers to contact for</p>	<p>Training for presentation and gradual transition from viewing the workshops to part presentation to full presentation</p> <p>Allow flexibility in development of workshops following input from researchers. Highlight researchers / students involvement e.g. website. Identify ways in which the involvement can be two-way, for example, the project team providing involvement for undergraduates encouraged lecturers to contribute.</p> <p>Project run by a core staff member provides many flexible opportunities for input by researchers. Encouraging attitude - flexible and accommodating.</p> <p>Establish and develop networks within and beyond</p>

			involvement	the institution. Present the project at Institution seminars and invite contribution.
			Time out of research	Link with established schemes e.g. PGSCT at Edinburgh University which pays Post- Grads for the time.
			Time out of study	Participation in the project by first year undergraduates was carried out during their first year project time and was therefore integrated into their course. Fourth year undergraduates involved in the project did so for their honours project.

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Funded by: Scottish Government Wellcome Trust

Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solution(s)
<p>Think Darwin, Think Evolution, Think Now is an educational book resource developed for Higher and Advanced Higher students to celebrate Darwin's bicentenary. Researchers made text contributions, participated in editing and gave interviews for including as transcript in the book and as podcasts. Researchers also provided images for inclusion in the booklet.</p>	<p>Post graduates Academic staff Research staff post docs – senior level</p>	<p>4 Post grad and post doc researchers for text writing 5 postgraduate / post doc and senior level researchers / academics for interviews and podcasts 5 senior level researchers / academics for editing</p>	<p>* Just a note – during the production of the book every researcher contacted was positive and receptive, so not many barriers were experienced* Time to write and motivation</p> <p>Lack of experience / confidence</p> <p>Knowing which are the best researchers to contact for involvement</p>	<p>Provide payment. Highlight the educational benefit. Reference and identify the researcher's contribution in the finished product and provide copies. Let them know this will happen. Allow enough time for researchers to complete drafts being mindful that they may be doing this in their spare time.</p> <p>Provide support and training if need be. Provide a structure and frequent one to one sessions if confidence is an issue. Be flexible around the researcher. Provide constructive and timely edits.</p> <p>Establish and develop networks within and beyond the institution. Develop high level links within the institution so that there is recognition and appreciation for researcher involvement</p>

			Time out of research	<p>at a senior level.</p> <p>Interviews can be an efficient use of time and require minimal time input from the researcher if everything is well organised. Organise the podcast interviews well in advance. Provide a timeline of the project so that the researcher knows in advance when things will happen and when their input is required. Provide a set of questions prior to the interview. Be prepared to travel to the researcher. Be well organised with TESTED equipment.</p>
<p>For more information contact: Cathy Southworth: Cathy.southworth@ed.ac.uk Funded by: Edinburgh University – Darwin Trust</p>				

Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solution(s)
<p>Imagineering Schools Roadshow (Heriot-Watt University) A project where PhD students/RA's develop engineering outreach activities for P7 to S2, and are delivered by undergraduate students. Training is provided for development and delivery skills.</p>	<p>Undergraduates PhD students PostDoc/Contract Research Staff</p>	<p>20 Undergraduates 3 PhD students 2 PostDoc/Contract Research Staff 1 Year project funded by RAEng External trainer</p>	<p>Time commitment</p> <p>Lack of relevant opportunities</p> <p>Lack of experience/skills</p> <p>Motivation</p>	<p>Team working, evening and Wednesday pm bookings, Undergraduates to do delivery and organisation, Time counted towards Robert's training</p> <p>Providing structure and opportunity to create activities relevant to own research/subject area</p> <p>Timely training, Professional trainer, reflection encouraged, mentoring</p> <p>Built in ownership for PhD students as they developed their own workshops</p>

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Funded by: RAEng Ingenious Grant

Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solution(s)
<p>Cyberneering with Heriot-Watt at Edinburgh International Science Festival</p> <p>Participation at the science festival provided the opportunity for academic staff to deliver new or existing activities to family audiences</p>	<p>Undergraduates PhD Students PostDoc/Contract Research Staff Academic Staff</p>	<p>45 staff and students as communicators 3 Academic Staff EISF as partners Project initially funded by EPSRC but now centrally funded</p>	<p>Lack of experience/skills</p> <p>Time Commitment</p> <p>Lack of relevant opportunities</p> <p>Motivation</p>	<p>Timely training for communicators together with On-the-job training Dry run with local school</p> <p>Paid placements over Easter holidays for undergrads and PhD's, Team working</p> <p>Providing structure and opportunity to create activities relevant to own research/subject area</p> <p>High profile event with senior level support</p>

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Funded by: EPSRC PPE Grant

Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solution(s)
<p>University of Edinburgh Post Graduate Science Communication Team A team of PhD students who undertake to do 10 days of science communication related work over a year. The team is facilitated by public engagement staff.</p>	<p>Post graduates</p>	<p>10 postgraduates per year</p>	<p>Time Commitment</p> <p>Motivation</p> <p>Lack of Opportunities</p> <p>Supervisor support</p>	<p>Paid placements in lieu of tutorial work</p> <p>Researcher lead Team building</p> <p>Support provided to identify opportunities within and with out of the university</p> <p>Supervisors are contacted when offered a place on the team, with an emphasis on the transferable skills gained and competition required to obtain a space</p>
<p>For more information contact: Heather Rea h.j.rea@ed.ac.uk, Cathy Southworth Cathy.Southworth@ed.ac.uk www.wiki.ed.ac.uk/display/PSCT/Home Funded by: University of Edinburgh</p>				

Activity Description	Who (Career stage)	Dimensions	Barrier(s) to researcher participation	Solution(s)
<p>Discover Science: a variety of hands-on drop-in science activities, workshops and shows, run by University of Edinburgh staff and students and aimed at children and families. Part of the Edinburgh International Science Festival which takes place annually around April.</p>	<ul style="list-style-type: none"> • Undergraduates • Postgraduates • Early to mid-career researchers • Senior staff and academics 	<p>Approx. 40 staff and 160 students (mostly PhD students).</p>	<p>Timely knowledge of event (“I’d have taken part if I’d known about it at a better time”).</p> <p>Lack of confidence and experience in science communication.</p> <p>Only expenses paid and not usual University demonstrator rates.</p> <p>Post-docs and academics say they cannot commit the time.</p>	<p>Carefully time recruitment drive to target the different participant types at times in the University calendar when they will be most receptive (not necessarily provide greater notice of event, but provide the most appropriate notice depending on the target group).</p> <p>Provide basic science communication instruction and specific training for particular activities. Be an approachable point of contact throughout.</p> <p>Highlight other benefits of taking part, e.g. experience, enjoyment. Gain support of supervisors and seniors.</p> <p>Make it clear that most funders now expect participation in public engagement activities. Highlight the benefits of show-casing research in this way. For post-docs, gain</p>

			support of seniors.
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Funded by: University of Edinburgh

