



Culture Shift

Appendices



Appendices

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1. Survey Results Summary

Survey results were broken down into ‘overall’ results and ‘initiators’. Figures for both are offered here if there is a significant difference between the two groups, otherwise only the result for ‘survey respondents’ are given.

- When questioned, 65% of respondents “definitely” self-identified as initiators; believing (and acting on that belief) that “the arts has a role in creating a sustainable future” (of which 18% are RFO’s).
- 89% of survey respondents reported having a good or excellent understanding of sustainability.
- 63% of initiators (53% of respondents) feel sustainability has become “much more important” over the last two years.
- 74% of initiators (47% of respondents) feel it will become “much more important” over the next two years.
- 78% of initiators (60% of respondents) reported that arts and sustainability were EQUAL motivations for their work.
- 64% (49% of respondents) believe that the arts are vitally important and “can do something that no other sector can do”.
- 94% believe that the power of the arts is in creating spaces for dialogue, transformation and information sharing. 82% believed the arts can inspire people with visions of a positive future.
- The major barriers to creating work that upholds the principles of sustainable development include “lack of time” (55%), “accessing funding” (53%) and being a “difficult concept for funders, sponsors and commissioners to understand or sell” (51%).
- In order to engage the arts sector and enable it to become a leader in sustainable development, 96% of respondents believed making more funding available for specifically arts and sustainability projects AND organizing inspiring forums and networks to bring arts and sustainability practitioners together would be effective. This was followed by suggestions to make more practical information and tools available (70%) and sustainability training (69%). Monitoring, a sustainability festival and best practice awards were seen to be less effective.
- 55% of initiators (45% of respondents) have previously attended an Emergence event, 20% of initiators (18% of respondents) have attended a Julies Bicycle event, 18% of initiators (16% of respondents) have attended a Tipping Point event once or more times. For 96% of respondents, attending had some impact on their behaviour or thinking.
- Of respondents, the majority, 68% were in artistic or creative roles (as opposed to managerial, administrative, educational or campaigning). 46% occupied a number of different jobs or roles with only 37% in fulltime arts and/or sustainability.
- The majority of respondents were from visual and cross-art forms (30%), with theatre and drama coming a close second at 29%. However in

terms of the “initiators of change” it was community artists who were in the majority (31%) closely followed by theatre and drama (29%).

- The majority of initiators 75% (and 68% of respondents), work in arts and sustainability work described as “empathic and participatory”
- 60% of respondents have received ACW/ Lottery funding at least once. 76% reported sustaining their activities by means of funding applications, 54% by means of the “free economy, exchange and bartering” and 50% by “keeping costs to zero or a bare minimum”.
- Of those who have NEVER applied, 70% of initiators (50% of respondents) reported the arts funding process as being “too lengthy and involved”.
- Most respondents (72%) reported their work to be building-based and 68% of respondents work or collaborate with between 1 and 10 people.
- 45% have environmental policies, 26% have sustainability policies, 8% have signed the Welsh Government Sustainable Development charter, the majority of which are RFO’s.
- The majority of respondents, 72% report an annual turnover of less than £50,000 with 11% reporting a turnover in the region or in excess of £500,000.
- 60% of respondents reach up to 5,000 people annually with their work, with 6% reaching 100,000 and above.
- 61% of initiators (55% of respondents) agreed with the statement “the status and strength of the Welsh language is intrinsic to any definition of Sustainable development in the Wales.”
- 42% of respondents offered recommendations to ACW to support arts and sustainable development work.

2. Maps

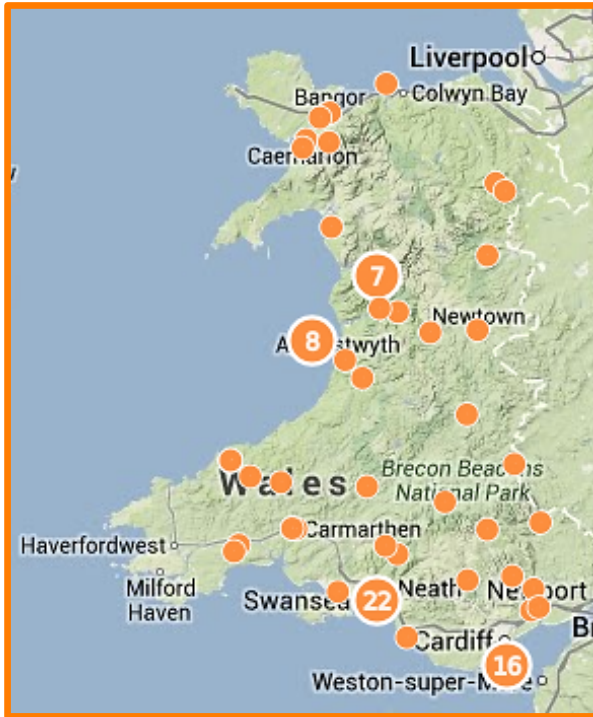


Fig. 1: Map showing the Distribution of Responses to the Survey

Numbers indicate clusters of responses (not all respondents provided a post code).
An interactive map providing specific information on each respondent is available here:
<http://bit.ly/1m80eQa>

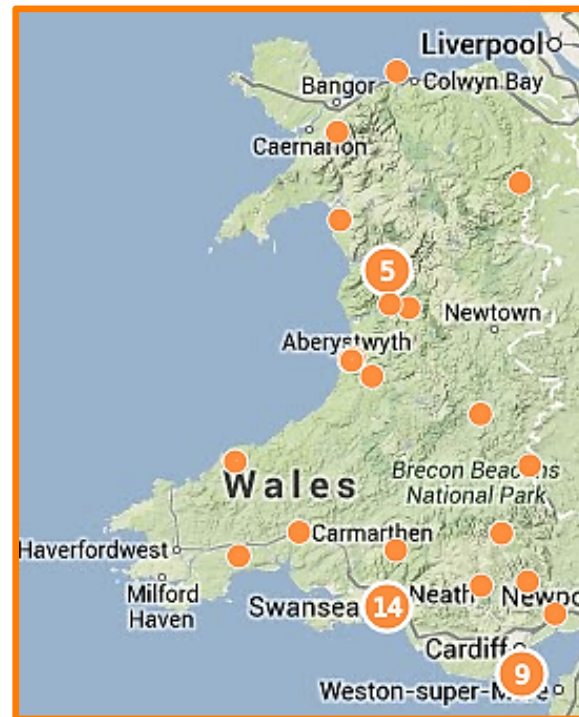


Fig. 2: Initiators

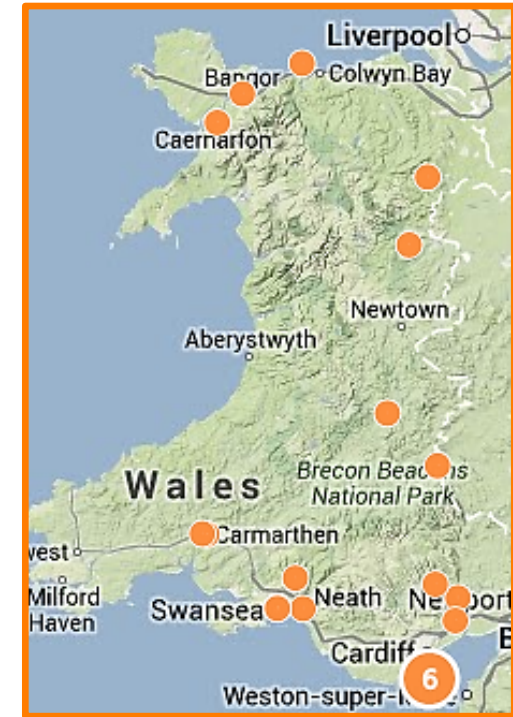


Fig. 3: Revenue Funded Organisations

Figs 2 & 3: Maps showing the Distribution of Initiators Compared to the Distribution of RFOs
Numbers indicate clusters of responses

3. Tables

Table 1: Responses from RFOs

Organisation	Env policy	SD policy	Welsh Government SD Charter	Have you received any Arts Council Wales/Lottery project funding for arts and SD work/projects?	If you have never applied for Arts Council Wales/Lottery funding for arts & SD why is this?	Reach (annual)	Annual turnover (£)	How has the importance of SD changed in your organisation over the LAST two years?	How do you anticipate the importance of sustainable development changing in your project/organisation over the NEXT two years?
Ballet Cymru	N	N	No. Interested	Receive ACW revenue funding AND have gained project funding for arts and sust. activities		<100,000	<500,000	Has become more important	Will become more important
Volcano Theatre Company	N	N	No. Interested	Frequently		<5000	<500,000	Has become more important	Will become more important
TAN Dance Ltd.	Y	N	No. Interested	Never, I have never applied	Never specifically run an arts and sustainability project.	<5000	<500,000	Has become more important	Will become more important
Wales Millennium Centre	Y	Y	Yes signed	Never, I have never applied	Our arts and sustainability work does not need arts funding	100,000 +	500,000 +	Has become more important	Will become much more important
g39	Y	N	No. Interested	Yes once or twice		<5000	<500,000	Has become more important	Will become more important
NEW Dance	Y	N	No. Interested	Frequently		<5000	<£50,000	Has become more important	Will become more important

trac	Y	N	No. Interested	Never specifically run an arts and sustainability project.	Never specifically run an arts and sustainability project.	<100,000	<500,000	Has become more important	Will become more important
Nofit State	Y	N	No. Interested	Receive ACW revenue funding AND have gained project funding for arts and sust. activities		<100,000	500,000+	Has stayed the same	Will stay the same
Sust Places Res. Inst, Cardiff Uni									
Head for Arts	Y	N	No. Interested	Our ACW revenue funding covers all such activities	Never specifically run an arts and sustainability project.	<5000	<500,000	Has become more important	Will become much more important
Llantarnam Grange Arts Centre	N	N	No. Interested	Never specifically run an arts and sustainability project.	Never specifically run an arts and sustainability project.	<100,000	<500,000	Has become more important	Will become much more important
Pontardawe Arts Centre	?	?	No. Interested	Receive ACW revenue funding AND have gained project funding for arts and sust. activities		<5000	<500,000	Has become more important	Will become more important
Hay Festival	Y	Y	Yes signed up	Receive ACW revenue funding AND have gained project funding for arts and sust. activities		100,000 +	500,000+	Has become more important	Will become more important
Powys dance	Y	Y	N/A to my work or organisation	Our ACW revenue funding covers all such activities		<100,000		Has become more important	Will become more important

Arts Connection Cyswllt Celf	Y	N	No. Interested	Receive ACW revenue funding AND have gained project funding for arts and sust. activities		<5000	< 500,000	Has stayed the same	Will become more important
Theatr Gened-laethol Cymru	N	N	No. Interested	Never, I have never applied	Never specifically run an arts and sustainability project.	<5000	500,000+	Has become more important	Will become much more important
Hijinx Theatre	Y	Y	No. Interested	Yes once or twice		<100,000	<500,000	Has become more important	Will become more important
Oriel Myrddin Gallery	N	N	No. Interested	Receive ACW revenue funding AND have gained project funding for arts and sust. activities		<100,000	<500,000	Has become more important	Will become more important
Glynn Vivian Art Gallery	Y	?	No. Interested	Our ACW revenue funding covers all such activities		<100,000	500,000+	Has become more important	Will become much more important
National Dance Company Wales	Y	Y	No. Interested	Never specifically run an arts and sustainability project.	Never specifically run an arts and sustainability project.	<100,000	500,000+	Has stayed the same	Will become more important
Venue Cymru	Y	N	No. Interested	Never, I have never applied	Never specifically run an arts and sustainability project.	100,000+	500,000+	Has become more important	Will become more important

Table 2: Art Form

What is your art form: please pick the following options that best describe your work (*can pick more than one)		
Answer Options	Response Percent	Response Count
Community arts	13.1%	29
Applied arts/crafts	6.3%	14
Theatre/drama	13.1%	29
Dance	6.3%	14
Visual arts	13.6%	30
Cross artform/combined arts	13.1%	29
Literature	5.0%	11
Film and TV	5.4%	12
Music	5.0%	11
Museums, Libraries & Archives	1.4%	3
Digital media	6.8%	15
Sustainable development/sustainability	7.7%	17

Table 3: Aspect of Sustainable Development

In terms of sustainable development/sustainability, which categories does your work best fit? (Tick all that apply)	
Answer Options	Response Count
Climate change	31
Peak oil and community resilience	18
Participatory, relational, empathic	65
Facilitation, mediation, promotes dialogue	45
Work with narrative/stories of change	38
Health and wellbeing,	45
Spiritual ecology, ecopsychology	22
Natural world, permaculture, outdoors, connection to land	46
Building, renewable energy, energy efficiency	27
Education, research,	44
Campaigning, activism, law	13
Whole systems approach, connected/joined-up thinking	35
Policy	11
Other (please specify)	7
answered question 95	
skipped question 11	

Table 4: Motivation and Sustainable Development

Answer Options	Response Percent	Response Count
My central focus is sustainability; and the arts are a lesser focus	3.1%	3
My central focus is the arts; and sustainability is a lesser focus	37.8%	37
Arts and sustainability are equal motivations in my work	56.1%	55
None of the above apply to me	3.1%	3
answered question		98
skipped question		8

Table 5: Status of Sustainable Development in Motivation

Sustainable Development is a key driver for: (pick one)		
Answer Options	Response Percent	Response Count
The content/mission of my work (including underlying values, who I work with, where I work with,	18.6%	16
The practical delivery of my work (including greening my building/place of work, type of materials I	30.2%	26
Both the mission and the delivery	46.5%	40
Neither the mission nor the delivery	8.1%	7
answered question		86
skipped question		19

Table 6: Engaging and enabling the arts sector

Which of the following suggestions do you think will be most effective in engaging and enabling the arts and cultural sector to be a leader in issues of sustainability?				
Answer Options	not effective	partly effective	effective	very effective
Make monitoring and reporting of sustainable practice a requirement of receiving arts/public funding	18	39	18	11
Organising inspiring forums and networks to bring artists and sustainability workers together	2	11	47	26
Make more funding available for specifically arts and sustainability focussed projects	4	7	27	47
Raising awareness through an arts sustainability festival	10	26	33	15
Raising awareness through best practice awards	9	42	26	7
Make relevant practical information and tools available to arts practitioners	1	23	39	22
Training in sustainable practice for artists and managers/administrators	3	21	40	17
More scientific information on a positive future	8	24	34	20

4. Graphs

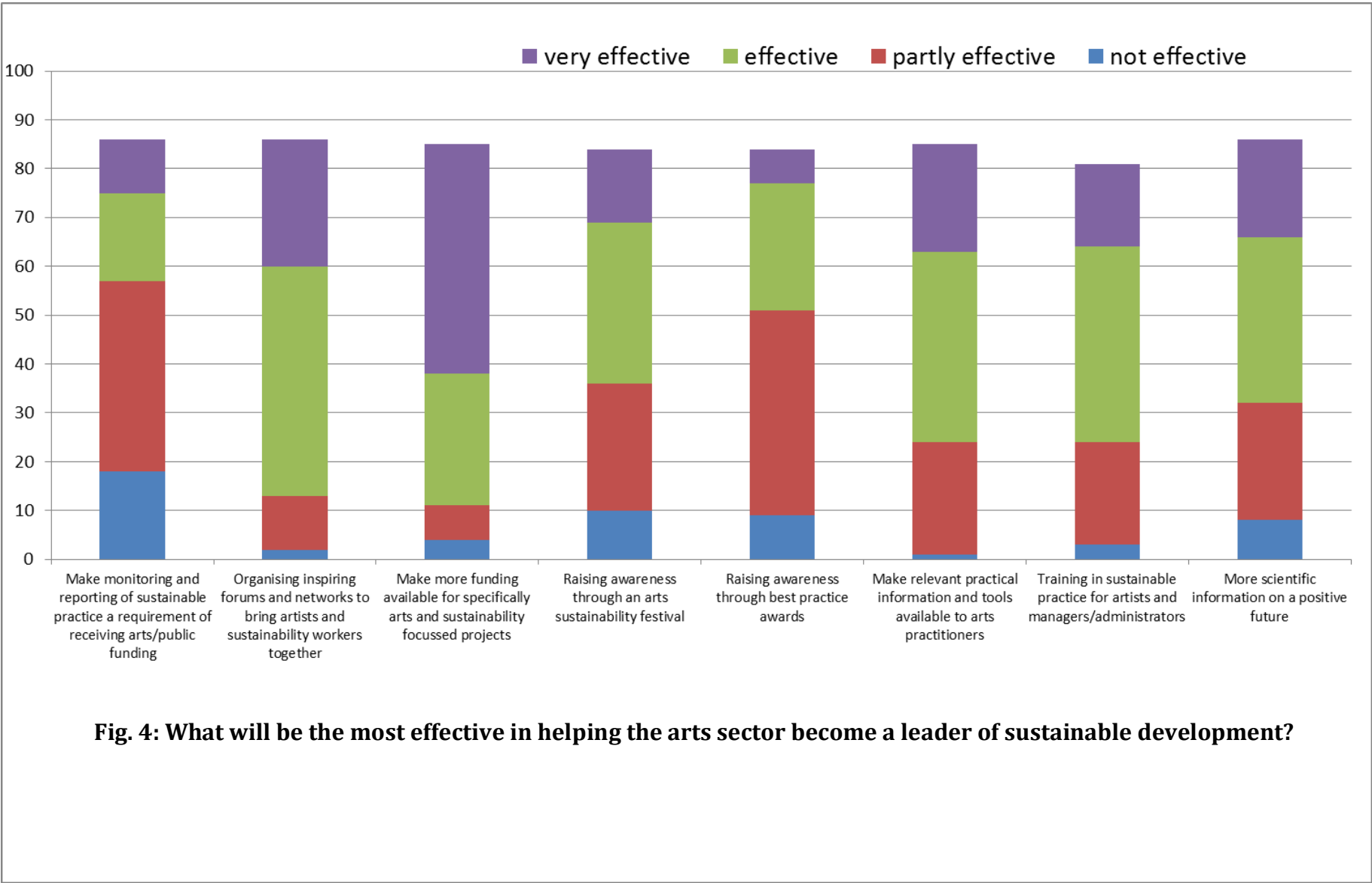
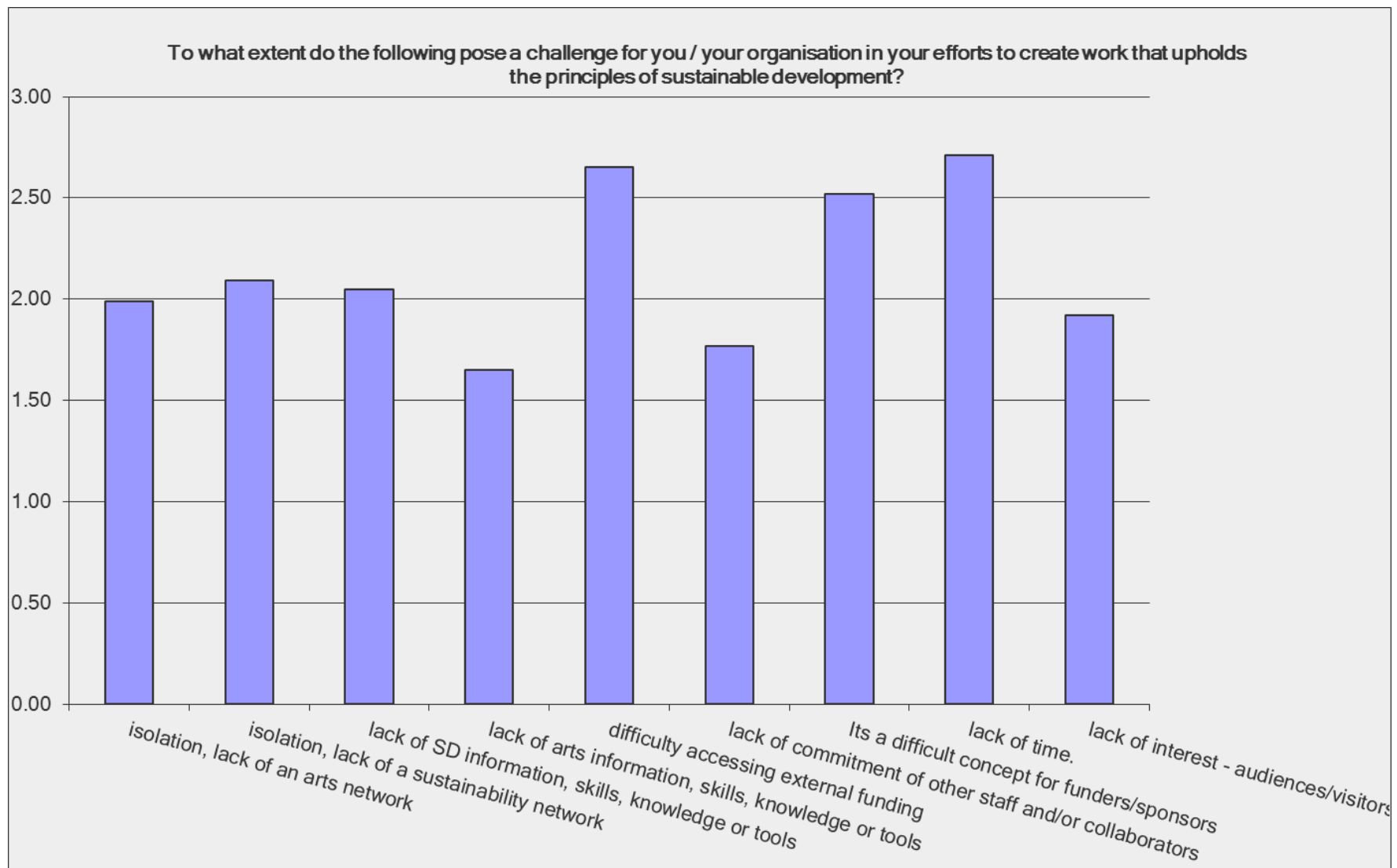


Fig 5: Barriers



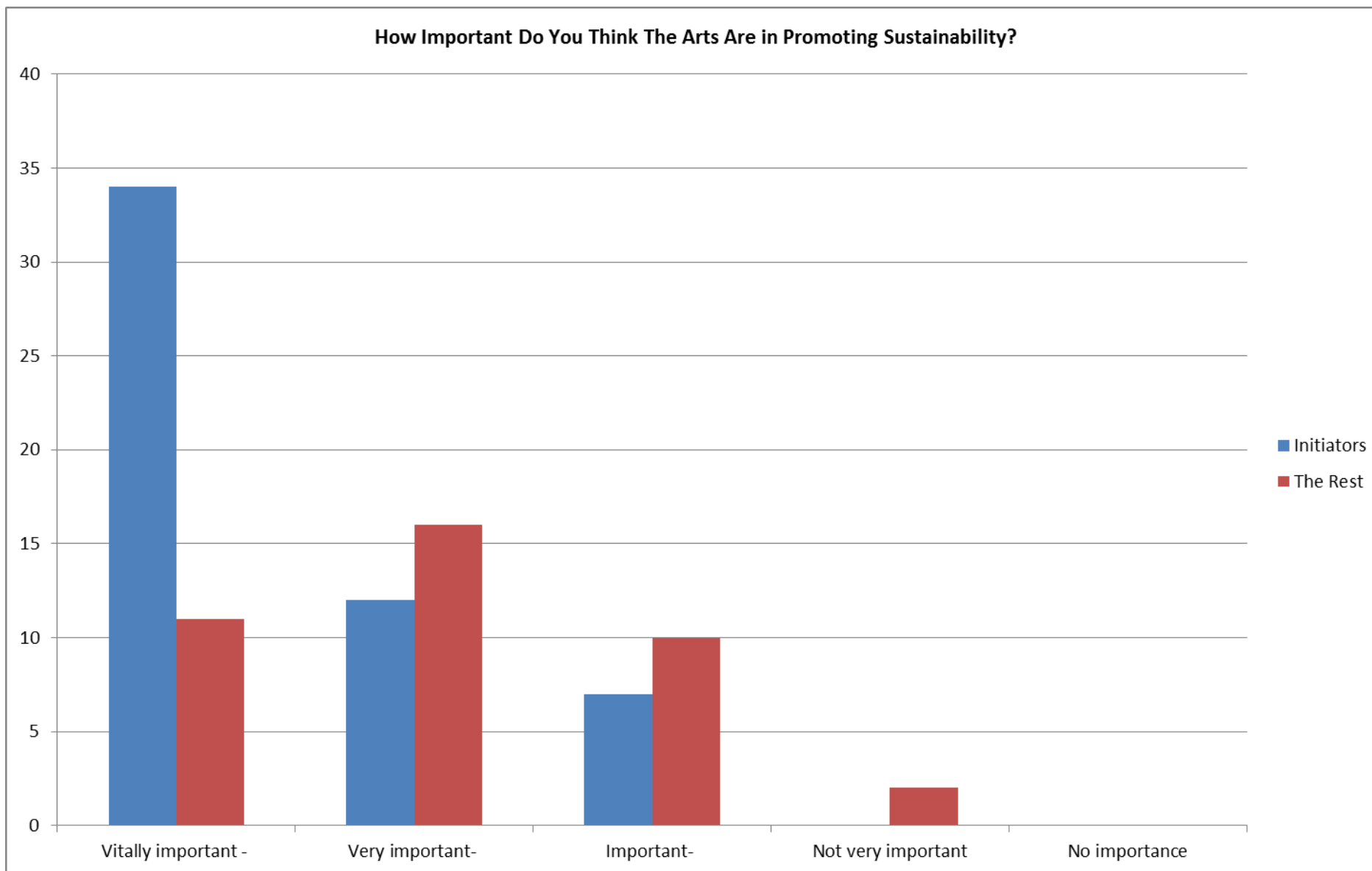


Fig 6: Difference between Initiators and The Rest on Importance of the Arts in promoting Sustainable Development

5. References

Ames, M. 'Embodied Knowledge of Welsh Rural Experience.' Paper published in the conference, Making Home, Approaches to Rural Sustainability and Regeneration: Dreams, Processes and Decision-Making (2013) Cilgerran Ceredigion.

Armitage, J. (2000): *Paul Virilio: From Modernism to Hypermodernism and Beyond* (London: Sage)

Ashbourn, Julian (2010): *The Geological Landscapes of Britain* (Springer)

BBC Wales History [Online] Available: http://www.bbc.co.uk/wales/history/sites/themes/society/industry_coal03.shtml

Biggs, I (2014): 'A response to 'Cliff McLucas in the C21st'.

Ar gael: www.iainbiggs.co.uk/2014/03/cliff-mclucas-in-the-c21st/. Last viewed April 2014.

Bourriaud, Nicolas (2002): *Relational Aesthetics* (Dijon: Les Presses du Reel)

Bohm, David (1996): *On Dialogue*

Centre for Alternative Technology: *Zero Carbon Britain – Rethinking the Future* www.cat.org.uk

Gablik, Suzi (1995): *Conversations before the End of Time* (New York, Thames & Hudson); (1991) *The Reenchantment of Art* (Thames & Hudson).

Haf, S: "Dylanwadau Creadigol: Rôl y celfyddydau yn datblygu dyfodol cynaliadwy i Gymru", Treithawd MA (2011), Bangor University.

Ioan, Gareth: 'Dynamic Art – A Living Community', Live Culture, A Positive Approach to the Crisis of Rural Welsh Language Communities (2004), Y Ffwrwm

Knight, Judith (2011): *Doing Less*

www.emergence-uk.org/wp-content/uploads/Emergence-Document-PDF-English-1.pdf. Last accessed 15th April 2014.

Lenhart, G.A. (1996): *A Developmental Hypothesis Based On The Order Of Jung's Psychological Functions: The Genesis Model*.

Available: <http://sulcus.berkeley.edu/flm/SH/MDL/GAL/galdischapts/galdis.intro#TOC>. Last accessed 17th April 2014.

Lewis, E: 'Anerchiad i Gynhadledd Ceangal', (2006), Dhun na Ghal County, Ireland.

Lewis, E: 'Nodiadau i Seminar: BYW GYDA'N TIRWEDD, Ymberthynas Gymunedol' (2007) Plas Tan-y-Bwlch.

Macy, Joanna; and Young Brown, Molly (1998): *Coming Back To Life* (Canada, New Society Publishers)

Neal, Lucy; and Jennings, Hilary (2010): *Sustainable Ability*

Available: <http://www.emergence-uk.org/wp-content/uploads/Sustainable-Ability.pdf>. Last accessed 15th April 2014.

Nettle, D.; and Romain, S (2000): *Vanishing Voices: The Extinction of the World's Languages* (Oxford University Press.)

O'Shaughnessy, S. and Kennedy, E. H. (2010): 'Relational Activism: Reimagining Women's Environmental Work as Cultural Change', *Canadian Journal of Sociology*, 35 (4), pp. 551-571.

O'Neill, R: 'Croesi'r Bar: Archwilio hunaniaeth y mewnfudwr Prydeinig trwy gyfrwng archif yr artist Cliff McLucas'. Traethawd Doethuriaeth, (2013), Aberystwyth University.

The Royal Society – Climate Change: Evidence & Causes

Source: Figure by Jeremy Shakun, data from Lüthi et al., 2008 and Jouzel et al., 2007.

Source: Mauna Loa Observatory: Scripps CO2 Program

<https://royalsociety.org/policy/projects/climate-evidence-causes/question-7/>

<http://co2now.org/>

Wales Underground <http://www.wales-underground.org.uk/pit/geology.shtml>

Welsh Government (2009) *One Wales One Planet*

Available: <http://wales.gov.uk/topics/sustainabledevelopment/publications/onewalesoneplanet/?lang=en>

Wheatley, Margaret (2005): *Presence: Exploring Profound Change in People, Organizations and Society* (Senge, Scharme, Jaworski & Flowers)

Y Ffwrwm, 'Arian Byw: Ymateb positif i argyfwng cymunedau Cymraeg Cefn Gwlad' Cymhadledd Arian Byw, (2004) Theatr Felin Fach.

6. Resources; Tools, Links, Articles, Organisations

Resource	Description	Web link or other location
Statutory/Public		
Welsh Government	One of only three democracies with legal obligations of sustainability	http://wales.gov.uk/topics/sustainabledevelopment/?lang=en
Cynnal Cymru (Wales based)	A networking organisation that enables people to learn from each other and discover interesting good practice projects in Wales. We work with people and organisations across a broad range of issues - from climate change to economy and fair-trade to health.	www.cynnalcymru.com
Climate Change		
Tyndall Centre	Interdisciplinary perspectives on Climate Change	http://www.tyndall.ac.uk/
The Climate Message	A global network of musical responses to climate challenges and solutions	http://theclimatemessage.com/
Climate Outreach and Information	A 'think and do' tank focused on connecting people to climate change and climate change	www.climateoutreach.org.uk

Network (COIN)	to people	
Arts Support		
Adam Curtis	Outstanding filmmaker and archivist, best known for 'The Century of the Self'	http://adamcurtisfilms.blogspot.com/
ArtsAdmin	Arts lab for the 21 st Century for the creation of performance, site-specific and interdisciplinary work, where the innovative, experimental and unusual are nurtured.	www.artsadmin.co.uk
Beehive Collective	Multidisciplinary and multifaceted arts collective, recognized for narrative graphics campaigns.	http://beehivecollective.org
Cape Farewell	Bringing artists, scientists and communicators together to stimulate the production of art founded on scientific research	http://www.capefarewell.com
Center for Sustainable Practice in the Arts	A global Think Tank for Sustainability in the Arts and Culture.	www.sustainablepractice.org
Clore Leadership Programme	By investing in individuals, we aim to strengthen leadership across a wide range	www.cloreleadership.org

	of creative and cultural activities.	
Culture Colony (Wales based)	An online service for the cultural sector enabling individual subscribers to upload content	www.culturecolony.com
Dark Mountain Project	A network of writers, artists and thinkers who have stopped believing the stories our civilisation tells itself.	http://dark-mountain.net
Emergence (Wales based)	Seeks to embody the values we treasure in a hope that a more creative, caring and compassionate planet might be our next evolution, revolution, or re-evolution.	www.emergence-uk.org/#the-emergence-vision
Green Art Lab Alliance	Julie's Bicycle and Trans Artists have developed a partnership dedicated to promoting environmental sustainability and how that can be challenged in practical, ethical, and artistic ways, across arts' and cultural communities across Europe.	http://www.transartists.org/green-art-lab-alliance
Green museum	This online museum reflecting the challenges facing artists, community groups, nonprofit organizations and arts institutions when it came to presenting and discussing environmental art	http://greenmuseum.org
Happy Museum	How the UK museums sector can respond to the challenges of creating a sustainable	http://www.happymuseumproject.org

Project	society.	
Mission Models Money	A passionate network of thinkers and doers whose vision is to transform the way people working with arts and culture use their resources to create great experiences which have deep public value.	www.missionmodelsmoney.org.uk
Platform	Arts, activism, education, research.	http://platformlondon.org
The RSA (Royal Society for the encouragement of Arts, Manufactures and Commerce)	an enlightenment organisation committed to finding innovative practical solutions to today's social challenges.	www.thersa.org
Tipping Point	Offer a range of activities centred on exposing artists from all art forms to the enormous challenges of climate change, working in tandem with the scientists at the forefront of the subject.	www.tippingpoint.org.uk/about-us/
Charitable, Community, Non-Governmental		
350.org	Believe that a global grassroots movement can hold our leaders accountable to the realities of science and the principles of	www.350.org

	justice.	
All Party Parliamentary Climate Change Group	Aims to deliver material and meaningful progress on climate change by creating an arena in which interested and relevant parties are able to discuss and formulate policy options.	http://www.carbonneutral.com/page/appccg/
Case for Optimism	Events to: exchange stories of our time; imagine possible futures; find your role; rehearse for change.	http://www.caseforoptimism.org.uk
Centre for Alternative Technology (Wales based)	Established in Wales 40 years ago, CAT offers practical solutions to 21st century problems	www.cat.org.uk
Creative Carbon Scotland	Putting culture at the heart of a sustainable Scotland	http://www.creativecarbonscotland.com
Dark Optimism	Unashamedly positive about what kind of a world humanity could create, and unashamedly realistic about how far we are from creating it today	www.darkoptimism.org
Findhorn	Spiritual community, learning centre, eco-village.	http://www.findhorn.org
Forum for the	independent non-profit working globally to	www.forumforthefuture.org

Future	solve complex sustainability challenges	
Green Alliance	Influential environmental think tank working to ensure UK political leaders deliver ambitious solutions to global environmental issues	http://www.green-alliance.org.uk
Green New Deal Group	Drew inspiration from the tone of President Roosevelt's comprehensive response to the Great Depression to propose a modernised version, a 'Green New Deal'	www.greennewdealgroup.org
Lean Economy Connection	Aims to design strategies in the context of the environmental problems that are now upon us, especially climate change and the depletion of fossil fuels	www.theleanconomyconnection.net
New Economics Foundation	An independent think-and-do tank that inspires and demonstrates real economic well-being.	http://www.neweconomics.org
Permaculture Association	Permaculture is then used to support the creation of sustainable, agriculturally productive, non-polluting and healthy settlements.	www.permaculture.org.uk
Post Carbon Institute	Provides individuals, communities, businesses, and governments with the resources needed to understand and respond to the interrelated economic,	www.postcarbon.org

	energy, environmental, and equity crises that define the 21st century.	
Public Interest Research Centre (Wales based)	Independent charity conducting and communicating research for a more democratic, equitable and sustainable society	http://publicinterest.org.uk
Sustainable Wales	Concentrate on the way we live, the choices we make and the implications of all this for other people and future generations.	www.sustainablewales.org.uk
The Natural Change Foundation	“Natural Change” is a form of leadership training which catalyses social change for a fair and sustainable future.	http://www.naturalchange.co.uk
The Solutions Project	Use the powerful combination of science + business + culture to accelerate the transition to 100% clean, renewable energy	http://thesolutionsproject.org
Transition Network	A charitable organisation active in Wales whose role is to inspire, encourage, connect, support and train communities as they self-organise around the Transition model, creating initiatives that rebuild resilience and reduce CO2 emissions.	www.transitionnetwork.org
Articles and Publications		

Corporate sustainability messaging isn't working- it's time to look to the arts	Guardian newspaper article	http://www.theguardian.com/sustainable-business/corporate-messaging-art-provoke-response
Dark Ecology: searching for truth in a post-green world	Orion magazine article by Paul Kingsnorth, co Founder of Dark Mountain	http://www.orionmagazine.org/index.php/articles/article/7277
Emergence Resources	Collection of videos, talks, documents and audio links to useful sustainability contacts and Emergence collaborators	http://www.emergence-uk.org/resources/#pictures
Long Horizons: An exploration of art and climate change	A series of essays curated by Julie's Bicycle, debating the impact of climate change on the work of policy makers, scientists and artists.	http://www.juliesbicycle.com/resources/publications/long-horizons
Moving Arts: Bands	Julies Bicycle Publication: Managing the carbon impact of touring bands	http://www.juliesbicycle.com/resources/publications/moving-arts-bands
Moving Arts: Orchestras	Julies Bicycle Publication: Managing the carbon impact of touring orchestras	http://www.juliesbicycle.com/resources/publications/moving-arts-orchestras
Moving Arts: Touring Theatre	Julies Bicycle Publication: Managing the carbon impact of our touring theatre	http://www.juliesbicycle.com/resources/publications/moving-arts-theatre

One Wales: One Planet	Downloadable document: A sustainable development vision for Wales	http://wales.gov.uk/topics/sustainabledevelopment/publications/onewalesoneplanet/?lang=en
Sustainable Ability	A report outlining transformative responses to resource scarcity and climate change from individuals and organisations working in the arts.	http://www.sustainableability.com
Sustaining Great Art	Arts Council England document publishing the first year of environmental impact reporting from RFO's.	http://www.artscouncil.org.uk/advice-and-guidance/browse-advice-and-guidance/sustaining-great-art
The Ashden Directory (useful links)	Useful links to projects bringing together environmentalism and arts	http://www.ashdendirectory.org.uk/links.asp
Tipping Point Directory	Green arts projects database	http://www.tippingpoint.org.uk/projects/
Education		
Schumacher College	Transformative learning for Sustainable Living	http://www.schumachercollege.org.uk
Schumacher Society	Organises annual festival of lectures on sustainability issues	http://www.schumacher.org.uk

7. Team Biographies

Biographies of Authors

Paul Allen B.Eng (Hons) FRSA

Paul joined the Centre for Alternative Technology in 1988, developing a wide range of renewable energy systems including solar medical systems for use overseas. Paul is currently External Relations Officer, leading the ground-breaking Zero Carbon Britain research; liaising directly with Government, business, public sector and the arts. Current positions:

- Winston Churchill Memorial Trust Fellow (2013)
- Farming Connect Strategic Advisory Board (2011)
- Wales Science Advisory Council (2010)
- Board member of the International Forum for Sustainable Energy (2008-2013)
- Climate Change Commission for Wales (2007)
- Fellow Royal Society of the Arts (2005)

Emily Hinshelwood

Emily is a writer, performer, community arts facilitator. Prior to this she worked for 14 years as an anthropologist in sustainable development, taking contracts with Oxfam Iraq, Actionaid Gambia and UK Government Dept of International Development. She worked as a lecturer in Anthropology and Development at Swansea University and contributed to DfID's Sustainable Livelihoods framework.

In 1998 she co-founded Awel Aman Tawe, a community renewable energy charity in south Wales, run entirely on sustainable development principles. In 2010 she developed an Arts and Climate Change community arts programme as part of AAT's work which engages people in the issues of climate change through a variety of arts genres.

In 2004, Emily co-founded and continues to run a scriptwriters' forum at Pontardawe Arts Centre. She has run the Neath Port Talbot Young Writers Squad for the last three years and worked for 2 years for the Women's Arts Association in Cardiff supporting a large network of artists. She is a committed Welsh learner, a long-standing member (and treasurer) of Merched y Wawr GwaunGors, and as far as possible ensures that all AAT's arts projects are bilingual.

www.awelamantawe.co.uk www.emily-hinshelwood.co.uk

Siriol Joyner

Siriol is an independent choreographer from Aberystwyth. She originally trained as a classical dancer with the Royal Ballet Associates and was later an Associate Member of National Dance Company Wales. She went on to study Fine Art at Oxford University, developing performances which combined both her dance and visual arts practices. Based back in Aberystwyth since Autumn 2011, Siriol regularly presents her work both in Wales and internationally. She is developing a choreographic practice which investigates the relation between thought & movement and dance & sculpture. Working outdoors, in nature, is an important and developing element of her practice.

<http://ybarcud.tumblr.com/> <http://celticradicals.tumblr.com/>

Fern Smith

After obtaining a First Class Honours Degree in Psychology and a Masters in Industrial Relations, Fern co-founded Volcano Theatre Company. She is a theatre practitioner with over 25 years of experience in performing and teaching. In 2010 she was the Arts Council Wales Fellow on the Clore Leadership Programme. She is a trained [Work that Re-connects](#) facilitator, a [CSTA](#) registered Craniosacral therapist and [MTI](#) holistic massage therapist, [Relational Dynamics](#) coach and celebrant trained by [Dead Good Guides](#). She is also co-founder of [Emergence](#), a Wales based project that encourages artists to recognize their role as initiators of change towards a more sustainable society. She has recently been inspired by the work of [Suzi Gablik](#) to create 'The Re-enchantment Project', the aim of which is to create spaces for 'celebratory activism' by means of maximum participation and minimum administration!

Rhodri Hugh Thomas

Rhodri's professional life has straddled both science and the arts. He has worked as an actor, writer, university lecturer and researcher. After graduating with a BSc. in Environmental Management he went to the Royal Welsh College of Music and Drama. During the following thirteen years he appeared in films, TV productions, numerous plays for BBC radio and many theatre productions as well as writing and producing his own work. He left the arts in 2003 to return to university to read for a Masters in Environmental Management. In recent years he has worked for The University of Glamorgan, The Environment Agency, Forum for the Future and is now the Training and Development Manager for Cynnal Cymru-Sustain Wales, the sustainable development forum for Wales.

Sarah Woods

Sarah is a playwright, activist and performer creating participatory performances and events with communities, campaigns, scientists and specialists. Sarah's work has been produced by many different organisations, including the RSC, Hampstead, Soho Theatre and the BBC. A number of her plays are published by Oberon Books. Her current work includes: **THE EMPATHY ROADSHOW** (People United), a multi-media performance engaging communities with empathy; **THE ROADLESS TRIP** (Emergence / Artsadmin), a performance piece about systemic change and future narratives; **FORECAST** (Ymlaen Ceredigion) a community conversation about extreme weather and the climate; **WELFARE** (Cardboard Citizens) a hostels tour looking at fairness and benefit reforms; and **MY LIFE WITH FLU** a series for BBC Radio 4's Woman's Hour, in partnership with The Wellcome Trust.

Sarah works regularly with Cardboard Citizens, the UK's only homeless people's professional theatre company, and the leading practitioner of Forum Theatre in the UK, for whom she teaches Writing for Forum. Sarah offers creative facilitation and mentoring for groups and individuals. She ran the Mphil in Playwriting at Birmingham University from 2002 to 2006, and currently teaches playwriting and applied theatre at Manchester University. Sarah is a Wales Green Hero (2010).

8. List of “Initiators”

Owen Griffiths, Fern Thomas, Anne Marie Carty, Fern Smith, Pete Telfer, Sam Christie, Helen Iles, Valerie Coffin Price, Claudine Conway, Sara Penrhyn Jones, Carol Brown, Bet Davies, Ann Shrosbree, Jony Easterby, Roger Lougher, Rachel Lilley, Gareth Clark, Ailsa Richardson, Tom Payne, Sam Wyse, Rebecca Kelly, Dan Gifford, Jess Allen, Kate Strudwick, Emma Evans, Eric Maddern, Ariana Jordao, Louise Osborn, Amber Hiscot, Frankie Armstrong, Siri Wigdel, Ben Ferguson-Walker, Sian Cornelius, Andy Fryers, Emily Hinshelwood, Gill Dowsett, Sara Holden, Powys Dance, Janet Daniel, Mike Salmon, Phil Broadhurst, Clare Williams, Pip Woolf, Jane Lloyd Francis, Alastair Duncan, Rabab Ghazoul, Susan Richardson, Nikki Cass, Bill Hamblett, Jenni Spencer-Davies, Bronwen Kenny-Jones, Sarah Ecob, Siriol Joyner, Emily Hinshelwood, Sarah Woods, Rhodri Hugh Thomas

9. List of Projects

Name	Year	Websites/links	1 line description of event/project
4 Queens at tactile Bosch & in Swansea	2011 & 2012	annjordan-art.co.uk	Artist collaborative that involved community participation utilising recycled materials
A Few Little Drops	2007-2009	http://www.volcanotheatre.co.uk/181/productions/a-few-little-drops.html	Major site-specific performance, education programme and spin-off projects
A Walled Garden	2014	not yet	A transformation of green space into edible land working with Swansea Prison and Hillside Residential Care Unit, funded by ACW.
Art About Us Bridgend - BCBC Artist in Residence Programme	2012	http://artaboutus.wordpress.com	Community engagement focused Artist-in-Residence programme addressing regeneration in Bridgend
Articulture Wales	2012 to present	www.articulture-wales.co.uk	Articulture is a creative organisation that aims to bring together practitioners in Wales to support innovation, collaboration & production of unique outdoor arts
Arts For The Earth and The Green Room			A monthly gathering of local artists held above the "Sussed" ethical goods shop "The Green Room". The varied programme is advertised locally and events are open to the public. Contributing artists include Robert Minhinnick, Tracy Evans and writer Rhian Edwards.
Bangor Greadigol	2009-2012	https://www.facebook.com/groups/43434523459/	Art in Empty Shops group in Bangor
Barnraising & Bunkers	2013	www.g39.org	Exhibition looking at the impact of the built environment

Bee Cause Poetry Project	2013	http://www.chapter.org/bee-cause-performance-night	Ran a series of bee-themed poetry workshops throughout Wales, in association with Friends of the Earth Cymru, and organised a night of bee-themed performance, poetry, music and storytelling at the end of the project.
Benefit for Greenpeace concert 'Acoustic Tuesday' (Cardiff)	2014	www.frankiearmstrong.com	Multicultural acoustic concert for the Arctic 30.
Benefit for Victims of Torture and Welsh Refugee Council (Newport)	2013	www.frankiearmstrong.com	Benefit for Victims of Torture and Welsh Refugee Council (Newport), choral/acoustic music
Bianco	2013	www.nofitstate.com	large tented production
Big Experiment Arbrawf Mawr	2008	www.trac-cymru.org	a laboratory for the nation
Bike cinema	2012	http://www.gwynedd.gov.uk/gwy_doc.asp?doc=29586&Language=1&p=1&c=0	Bike powered, bike film-night ridden too by bike.
Black mountain 'cwtch' . Brecon Beacons National Park Authority site specific	2010	annjordan-art.co.uk	Collaborative with local community groups using local sourced wool
Bridging views of Llangynidr	2009		An installation made with and about the whole village(540 households) to share their sense of place.
Canolfan Byd Bychan	ongoing	http://smallworld.org.uk/our-venue.php	creation and running of an almost zero carbon venue
Carnival	2013-14 - in post production		Collaborative documentary film working with the community in Machynlleth to celebrate and explore identity & belonging

CAT Oral History Project	2014	www.CAT.org.uk	Using the CAT archive & Oral History Project to inspire the local community to reflect on CAT's impact & relations in the local area
Celebrating Subversion (Cardiff)	2013	www.frankiearmstrong.com	Anti-capitalist roadshow/concert
Climart. Climate change sculpture structure	2009-2011	coming on new website and in archive if funded	schools create an artistic response and build a legacy in their school
Climate change poetry		http://www.awelamantawe.org.uk/index.php?option=com_content&view=article&id=84&Itemid=7	Ran a series of poetry workshops on the theme of climate change for Awel Aman Tawe, and performed ecopoetry at the launch events of both climate change poetry competition anthologies.
Climate Change Poetry Competition	2012	http://www.awelamantawe.org.uk	Writing Poetry on Climate Change
Community Voice	On-going now	PAVS - theatrfforwmcymru.org.uk	preparing legislative theatre events for 3rd sector groups in Pembs
Countryside Connections - Love your Countryside Festival	2014		enabling and inspiring people to visit ,enjoy, appreciate and care for their natural environment
Creu Cymru Emergence	2013/14	www.creucymru.co.uk	Pilot project promoting behaviour change across theatres and arts centres in Wales
David Nash	c 2004	www.glynnviviangallery.org	Exhibition by artist working with trees and natural environment
Deg Mewn Bws	2012	www.trac-cymru.org	Creu traddodiadau newydd i Gymru newydd
Demenstoria	2013 - 14		Collaboration between Forget-me-Not Dementia choir and WNO - New libretto and Composition into Performance - exploring living with Dementia
Democracy Sandwich	2014	www.g39.org	An evening organised with Rabab Ghazoul with contributors from many different disciplines.

Democracy Sandwich	2013	http://www.g39.org/cgi-bin/website.cgi?place=exhibitions&id=4375	A curated evening of artists presentations, talks comedy and debate exploring notions of the democratic
Dreamscape	2011		Story making workshops about reclaiming space and bringing people together.
Drunk Uncle	2013 and ongoing	https://www.facebook.com/DrunkUncle	adult comedy music act with issue based songs including sd issues
Dynamo Wrekshop	2013	http://www.zprod.org/zwp/wrekshop/	Participatory exhibition with upcycled electronics
Eco Travel Network Film	2013	http://www.youtube.com/watch?v=0XICdvQFrUg	4 Minute informational and promotional film for electric car travel in the Brecon Beacons
Editing for Oriel Davies / Heritage Lottery funded reminiscence project	2012/13		Interviewing and editing the book Fresh Air and Fire from Powys residents' memories.
Eginiad - taith cerdded	2012	http://events.cat.org.uk/index.php/emergence-2012	Taith cerdded trwy Gymru i ddarganfod/drafod rôl y celfyddydau mewn natur a chynaliadwy
Elemental	2012	www.head4arts.org.uk	4 year project culminating in a site-specific performance at the Blaenavon Ironworks, taking inspiration from the industrial landscape
Emergence Cardiff, Swansea and Carnarvon	2011	Www.emergence-uk.org	Three, one day arts and sustainability conferences at theatre. Ensues in Wales

Emergence Summit and Land Journey	2012	You know it	Conference of artists and activists gathered to discuss and imagine a sustainable future preceded by an elliptical five day walk/talk renewing our relationship to the earth.
Emergence Summit at CAT	2012	Www.emergence.uk.org	9 day arts and sustainably land journey and conference
emergence summit/ land journey	2012	emergence	2 elliptical performance walks through mid and north Wales
Equilibre Horse Theatre/ Carreg Dressage	2003 - 2014	www.equilibre.co.uk	Horse Theatre. Displays, Collaborations with other artists
Estuary Lab	2012	http://www.jonyeasterby.co.uk/Estuary%20Lab.html	Researching interventions on the Dyfi estuary with NTW.
Exploratory research and filming in Greenland (£3000 from Wales Arts International)	2013- led to more filming opportunity in 2014	installation film of 'work in progress', public talks, news: S4C and NBC, Online videos, Climate crocks blog, http://climatecrocks.com/2013/07/01/dark-snow-team-why-were-here/	filming ice-melt, developing link with international and welsh glaciologists, and locals in Greenland
Feasibility Study Oriel Myrddin Gallery	2014		feasibility in 'sustainable' redevelopment and growth of gallery
Fform exhibition	2009		high quality artistically stylish items of recycled furniture and homewares produced from materials rescued from landfill

Film - Cantre'r Gwaelod and Tales of Inundation (PhD project)	2010 - Present	http://www.ramseybardsey.com	The practical film component of my PhD project at Aberystwyth University. Still in post-production.
Film - Notes From the Edge of the East	2009		A film about neo liberal economics in Krakow (Poland). Screened twice at Aberystwyth Arts Centre
Film - Snowdon, academic paper	2010	http://vimeo.com/36201146	A film presented as a 'live essay film'/academic paper on film, film technology and phenomenology
For the Bees	2010	www.weareworriedaboutthebees.wordpress.com	A socially engaged artwork/events in collaboration with Owen Griffiths responding to issues affecting the honey bee
Forecast (working title) with Sarah Woods	2014	www.ymlaenceredigion.org.uk (not on the site yet, but will be)	supporting behaviour change project through encouraging dialogue - energy coaching in the home,
Forecast (Ymlaen Ceredigion)	2014	sarah-woods.co.uk	A multi-media participatory show inviting the audience to think about extreme weather in relation to climate change
Forest Schools "wild incense" development	2012 and ongoing	https://www.facebook.com/pages/Spiralife-Magical-Incense/595162067226699	Instant incense making from local materials for schoolchildren at Forest Schools
Get Boys Dancing	2012 & 2013		Encouraging boys to dance
Green Routines (as part of Awel Aman Tawe)	2013- 2014		visual and audio installation of people's responses to the need to reduce their carbon emissions.
Group	2012	www.gowergroup.org	GROUP is an environmental arts and education organisation dedicated to community involvement and co-operative enterprises.

Group Studios	2012	www.gowergroup.org www.bethmarsden.com	painting and sculpture classes run from a studio run by renewable energy and made from 85% recycled materials.
Harvesting the Knowledge	2014	http://www.happymuseumproject.org/projects/credigion-museum	land management promotion using creative collaboration for a positive future
Hay Festival - Hay on Earth	annual	http://www.hayfestival.com/greenprint/index.aspx?skinid=14	In 2006 we started the Greenprint Project, and for eight years, Hay Festival has been engaged in a programme of managing and mitigating its environmental impact through Hay on Earth. Since 2006 we have focused on three key areas: our own direct impacts the impacts of our audience programming of events that will stimulate debate and discussion about key issues in the sustainable development and environmental agenda.
Hay Festival Maldives	2010	http://www.hayfestival.com/maldives/en-about.aspx?skinid=21&currencysetting=GBP&localesetting=en-GB&resetfilters=true	A festival of ideas, conversations and fun brought together the best international and local artists from the fields of literature, art, science, drama, music and poetry, celebrating one of the world's most hopeful new democracies and oldest island cultures with two key themes - democracy and sustainability
Hinterlands and Hinterlands 2, Penpynfarch, Carmarthenshire	2012 and 13	http://www.ailsarichardson.com/professional/#pro2	investigation of the inspections between bodies and environments - workshop/retreat
History & Mystery / Island of Glass (Ynys Gwydr)	2012-2013	www.head4arts.org.uk	Arts and heritage project linked to Llangors Lake archaeological finds, leading to a community opera in Merthyr Tydfil

Homing in: The Aesthetics of Sustainability	2013	http://community.nationaltheatrewales.org/events/homing-in-the-aesthetics-of-sustainability	A one day event, organised by Aberystwyth and Cardiff Universities, in partnership with the Aberystwyth Arts Centre, is part of an Arts and Humanities Research Council (AHRC) project investigating the relationship between arts practices, sense-making and sustainability in Wales
Hydrocitizenship (£1.5m funded by Arts and Humanities research council)	2014-17	Due to start March 2014, please see http://www.bbc.co.uk/news/uk-wales-mid-wales-25758379	Exploring communities' attitude towards water as resource and risk, through arts-based means
I Know a Story	2009-2013	http://iknowastory.com	Telling stories of projects and people that are making a difference.
Imagine Cardiff	2013	http://imaginecardiff.com/	Putting a public beach in Cardiff Bay, helping people imagine a better future.
Institute for Imagined Futures & Unknown Lands	-2011	www.imaginedfuturesunknownlands.org	A fictional/imaginative research unit working with images and imagination as a space for dreaming/picturing our future
is it art or rubbish	2012		making art out of rubbish with an exhibition at the end
Josie Mckenzie exhibition : Journey	2012		Textile artwork following the journey of tea from Sri Lankan plantations to British kitchens
Labyrinth and amphi theatre	2011	coming on new website and in archive if funded	3 paths -bio diversity , energy - food 2000 tyres and earth and planting
Lammas	2013	www.livinginthefuture.org/lammas.php	50 minute documentary on a West Wales ecovillage
Landscape and Protection	2012-13	http://livinglandscapeartsnetworkdyfibiosphere.wordpress.com/	Research and development at CAT to create projects in the Dyfi valley
Living in the Future	2008 -	www.livinginthefuture.org	Online series of short films on sustainable living

	2014		
Living Landscape Arts Network - Dyfi Biosphere	2011 onwards	http://livinglandscapeartsnetworkdyfibiosphere.wordpress.com/	Fledgling arts network that works within the context of the Dyfi Biosphere to develop, promote, and celebrate environmental, social and cultural biodiversity within the biosphere and to sustain the biosphere in collaboration with other thematic groups
Louphole	2010	www.untitledstates.net	Offsite project for Oriel Davies Newtown, culminating in public performance with Newtown silver band and the first public 'howl' in the UK.
Maesteg Wetlands	2012	http://www.jonyeasterby.co.uk/Maesteg%20Wetlands.html	Regeneration and habitat creation on former coalfield site Maesteg
Making Sense Of Sustainability - An Environmental Futures Dialogue Event	2013	DunkleyRA@cardiff.ac.uk	Sensing, Feeling, Talking, Reflecting
Maudie's Rooms	2013 - 2014		Site Specific immersive theatre project for Family Audiences
Maynard come home/ Maynard dewch adref	2013	http://www.may-nard.org/maynardcomehome	Maynard, come home... was a two day dance event curated by movement artist Simon Whitehead, held in and around his home village of Abercych, Pembrokeshire.
Mini Make Faire Machynlleth	2013	http://makerfairemachynlleth.com/	Public event showcasing various creative technology projects in wales and beyond
MOVING SPACES at Ruthin Craft Centre Denbighshire		www.newdance.org.uk	Dance/music/visual art cross art project for young people
Nature Into Art Project	2010-2013	www.sculpturebythesea.co.uk / schools page	Environmental Art project for schools and groups run at local beach, nature reserve or school grounds involving series of art workshops exploring and creating.

Noye's Fludde	2012/ 13		A performance about climate change involving professional artists and local communities. This took place in 5 venues in Wales in collaboration with Ballet Cymru and Mid Wales Opera.
One Eyed Man	2011 present	manoneye.blogspot.com	Innovative improvised conversational performances
Oriel Factory	2011	http://www.zprod.org/PG/orielFactory.htm	Participatory exhibition with partly onsite generated energy supply and upcycled electronics
Over Mountain Sand and Sea	2012	NA	A multimedia performance telling the story of a journey on foot between Barmouth and Aberystwyth in order to participate in National Theatre Wales' fourth launch year production, For Mountain Sand and Sea (June 2010)
Oyster Bay	2009	www.tandance.org	Heritage performance project involving 700 people exploring the history of the oyster industry in Swansea Bay
Poetry readings and writing workshops in collaboration with Oriel Davies	Annually	Oriel Davies	Have hosted event with high profile writers and open mics to encourage emerging talent.
Powys Arts Months	2011		Collaborated with Blue MacAskill and Newbridge on Wye school and Oriel Davies in running workshops.
Predicting a Climate Archive	2012	http://predictingclimatearchive.wordpress.com/	Contemporary Art Exhibition
Reach the Heights - Olion project	2013	theatrffoerwmcymru.org.uk - Swansea Metropolitan University/Cares	legislative theatre - stories from and about youth-unemployment in Swansea

Resistance	2011	www.tandance.org	Political awareness performance project with 250 boys and young men based on The Arab Spring
Rhod	ongoing	http://therhod.wordpress.com/	Annual Contemporary Art Exhibition
Rhòd 2014 Future Nature Culture	2014	http://therhod.wordpress.com/	contemporary exhibition dealing with ecological themes
RIVERmap	2013		Collaborative arts project, initiated by Walking the Land on behalf of the Cotswold Conservation Board, looking at landscape characteristics and use.
RIVERmap	2013	https://groups.google.com/forum/#!topic/walking-the-land/VQdQQgbugS4 http://walkingtheland.org.uk/archive/walkingthelandgallery/rivermap/	Prosiect cydweithrediadol, gan Walking the Land a Cotswold Conservation Board, i archwilio tirlun sir Caerloyw a datblygu syniadau codi ymwybyddiaeth/arfer cynaliadwy ardal y cymoedd Stroud
Sandfields Festival of Ideas	2012	festivalofideas.tumblr.com	a festival of local culture, food and socially engaged artists and community gardeners
Scarred, Aged Skin and the Material Body	2011 - 2016	http://wandazyborska.wordpress.com	Research into the representation of post menopausal women and scarred skin
Sculpture by the Sea UK Festival	Annual since 2005	www.sculpturebythesea.co.uk	Sculpture festival using natural and found materials on a series of local beaches in Swansea and Gower - team of artists running workshops for the local community and visitors.
Sensory Garden at LLys Caradog Children's Home	launched 2013	http://www.carmarthenshire.gov.uk/English/news/Pages/Llanellchildren%E2%80%99scentreinlineforprestigiousaward.aspx	Development of a sensory garden for a children's respite setting in LLanelli

Shimabuku	c2002	www.glynnviviangallery.org	Event by artist working with communities and dogs in the sea at Langland Bay
Site Specific Sculpture Sec Ed	2012-13	www.sculpturebythesea.co.uk - link to page from news item on Home page	Environmental site specific sculpture with 8 secondary schools in Swansea and West Wales.
Skatepark	2012	coming on new website and in archive if funded	Community design additions to skate park with 150 trees planted as shelter
Song Camp	2011	not specifically on a website as it involved young people "at risk"	2 day residential activity where young people wrote "camp fire" songs inspired by the environment (one young person later did a placement with an outdoor pursuits service)
Sorry,I don't eat fish	2012		Joint writing and art exhibition(with IR Daniel) to raise awareness about climate change
Sounds from the Sphere	2012	http://capelygraig.com/tag/biosphere/	Participative sound project for Dyfi Biosphere Gwyl Hwyl 2012 in Capel Y Graig
Source/ Ffynhonnell.	2013	http://pipaberystwyth.tumblr.com working diary	Investigating sensory connections to the landscape through focus on well sources.
Spirit of the Miners - Spoilio	2009	www.blaengar.org.uk	site specific installation in mining attraction in Mid Wales
StillWalks - Sights and Sounds of the Countryside	2012/2013	http://stillwalks.wordpress.com/sights-and-sounds-of-the-countryside/	Developing appreciation and understanding of the natural environment through creativity.
Stories from the Garden	2013	www.greenstagetheatre.co.uk/wp/workshops/	Story-telling and performance workshops with Katie Jones at Riverside community garden

Streets Alive	2013	www.nofitstate.com	free street performance
Tales of the Taiga	2012 - ongoing	http://smallworld.org.uk/theatre-and-puppetry/tales-from-the-taiga.php	puppet drama set in Siberia about disappearing habitat and culture
Tan8 Area D	2013	http://www.intentism.com/climatedialogue.htm	Timelapse video installation made in collaboration with film maker Sam Christie. This work engaged with local community members, and arguments for and against proposed wind farms in rural mid-Wales.
Tannery/ Y Tanerdy, An exquisite corpse	2012	http://therhod.wordpress.com/	An investigation into exhibiting in a rural location using the internet to increase audience and decrease travel
Tempest on Fire'	October-November 2013		Played role of Prospero in outdoor, environmentally oriented production of 'The Tempest'
The County Show & County Conversation	2013		celebration of local craft practitioners
The Fisherman and the Mermaid	2011 - 2013	http://smallworld.org.uk/theatre-and-puppetry/fisherman-and-the-mermaid.php	Street show about diminishing fish stocks
The Need for Roots - Celtic Radical	2013	http://celticradicals.tumblr.com	A dance piece which examines the shared imagery between Wales and Ireland with a special focus on notions of Celticity and the importance of minority languages.
The Re-enchantment Project	Current and ongoing	No website, use Facebook and word of mouth to publicise	Maximum participation, minimum administration creative participatory events

The Roadless Trip (Emergence Summit)	2013	sarah-woods.co.uk	A multi-media participatory show inviting the audience to imagine a positive future
This Is Rubbish	2012	www.thisisrubbish.org.uk	waste food awareness campaign touring and feasting at festivals and events in Wales
This is Rubbish 'feast' tour of wales	2011	http://www.thisisrubbish.org.uk/project/feast/	food-waste awareness
Three questions on Climate change (personal writing project)	2011- 2014		A walk across Wales asking everyone I meet three questions about climate change. These have led to poems and plays.
Tilting at Windmills	2010	www.tiltingatwindmills.org.uk	Installation film and artist's book derived from 8 day walk round wind farms of Mid-Wales taking sound-recordings of conversations with locals encountered discussing changing landscapes and lifestyles in a changing climate.
Tir Cyffredin - Shared Land.	2011		Series of 5 documentary films using reflexive filmmaking techniques to explore community, identity & belonging in the Dyfi Valley through local traditional events
Togyg Print Studio, Bangor	2013 ongoi ng	http://togyg.wordpress.com	Community Print Studio at TOGYG, Treborth, Bangor
Trans-Plantable Living Room	2013	http://transplantablelivingroom.wordpress.com/	Edible outdoor living room grown by community gardeners in Cardiff hosted public dialogue and oral-history inspired performance.
Troy Boyz	2012- 14	www.tandance.org	Street culture performance projects for NEETs resulting in many participants gaining employment or enrolling for further education

Tunnel of Light	2010-2011	Amber Hiscott - Tunnel of Light Also Deaf pictures/ Sound art - Tunnel of Light	Upcycling of scrap mining tunnel installing it in National Waterfront Museum, cladding it with glass stained to mediaeval recipes painted freely in homage to the "Red Lady of Paviland".
Ty'n yr Helyg Barn, Theatre	2013	Website under construction	I converted a disused barn into a space for performance using locally sourced sustainable materials, and by drawing upon the expertise of local artists, spectators, builders, plumbers, electricians, carpenters and performance makers.
Un-earthed Oral History Collective	2014	-	Performances based on oral history interviews from Centre for Alternative Technology.
Un-earthed Oral History Collective	2014	www.un-earthed.org	research, training and performance collective specialising in environmental oral histories
Vetch Veg	2011-2012	www.vetchveg.tumblr.com	Creating a 2,500 square meter vegetable garden in the centre of Swansea with the community of the Sandfields, commissioned by Adain Avion, Cultural Olympiad Wales.
Volcano @229	2010-present	www.volcanotheatre.co.uk	Meanwhile Use arts regeneration of defunct shop premises, in partnership with Coastal Housing
Volunteer scheme	2014 (ongoing)	g39.org	Continued sustainable development of the voluntary sector.
We're Oil in this Together (Awel Aman Tawe)	2012		Theatre, visual arts, music, community arts event in response to the 'story of oil'.
What the Bees Know: Songs and Stories to Sustain and Restore the World'			A provocative look at the malady that afflicts and the remedy that might heal, all threaded around the story of the bee.
When the birds have gone	2013	http://www.imaginedfuturesunknownlands.org/blog/tag/when-the-birds-have-gone/	Participatory project inviting people to picture a world where there are no longer any birds - part of Rhod Urban/Rural dialogue arts event therhod.wordpress.com/
Who's Afraid	Ongoing	rorytee@gmail.com	Live performance and video project to explore fear of an uncertain future

	ng		
Wired	2011		mental health arts engagement project
Woodland Pavilion	2013	http://www.woodlandpavilion.org/hafan/	Free summer arts venue made from local wood and pedal powered Audio Visuals.
Woodland Pavilion	2013	www.woodlandpavilion.org	open stage for outdoor performance on 12 volt sound system hosting local events and touring companies
Woollenline	Begun in 2009 ongoing	www.woollenline.wordpress.com	Woollenline is a drawing. An artistic response to climate change made as a unique piece of time-based social sculpture and installed in the Welsh mountains using felted wool to heal scarred earth and human relationships.
WOW Women's Film Club	2014	http://www.wowfilmfestival.com/wow-womens-film-club/	Film club project providing ongoing access to contemporary cinema, discussion and debate for women from diverse backgrounds
Wrexham XPLode	Spring 2013	www.newdance.org.uk	Dance project for schools focused on visual art found in Wrexham
WWF Cymru Earth Hour poetry project	2013	http://wales.wwf.org.uk/how_you_can_help/wwfs_earth_hour_in_wales__a_big_success_/earth_hour_poems_for_the_planet/	Ran a series of poetry workshops on the theme of renewable energy, in association with WWF Cymru, and organised a performance event by candlelight at Chapter during Earth Hour itself
ZEN - Zero Impact Cultural Heritage Network	2012-14	http://zen-project.eu/new/	An Interreg funded project aimed at developing a shared methodology to reduce the impact of events and festivals in historic centres and on cultural heritage through the exchange of significant experiences and lessons learned by the participating partners.

Owen Griffiths	2010 For the Bees - a collaborative environmental and performance work, in association with the Coop and Plan B as well as the National Conference for Entomology, Swansea University and BBC Radio 4 So You Want to be an Amateur Scientist. 2012 Emergence Film Commission 2012 Vetch Futures - a planning and sustainable development consultancy on the future of the rest of the Vetch site, Swansea. Civic at Mission Gallery - a collaborative exhibition of artists and architects working on events and works for re-imagining a new future for Swansea city centre.
Fern Smith	Mapping Creative Sustainability Research for Arts Council Wales, spring 2014, www.emergence-uk.org . Publishing Emergence/Eginiad document. 2011. www.emergence-uk.org
Valerie Coffin Price	I am currently working on two interrelated projects on the River Taff looking at our relationship, past and future, to the river, its history and environs.
Wanda Zybowska	Many of my art works are made of recycled materials, particularly inner tubes from bikes, cars, tractors and earth movers.
Jacob Whittaker	Future Climate Dialogues - http://www.culturecolony.com/artlogs?p=13104 Sgwrs Rhôd 2013 – Celf ac Ecoleg - Rhôd Public Talk - Art & Ecology http://www.culturecolony.com/artlogs?p=12879 Maynard Come Home - http://www.may-nard.org/ Guff and Tosh - http://www.youtube.com/watch?v=TS9XZdtVRrM A number of documentary works for arts and sustainability organisations eg Small World Theatre, Ymlaen Ceredigion, Naturewise as well as individual artists are available here http://swimmingcat.co.uk/ My personal work revolves around a collection of found hi-fi equipment and explores the use of these discarded 'broken' objects, implicitly raising questions about recycling and disposable culture. http://www.jacobwhittaker.co.uk
Claudine Conway	Volcano was also a key partner in previous Emergence projects - the 2010-11 conferences in Wales, the Emergence document, A Case for Optimism, commissioning the piece Doin' Dirt Time etc. We have recently made an application to the Ideas People Places project for a partnership project with Coastal Housing, and others about Swansea High Street regeneration.
Sara Penrhyn Jones	I have done more work internationally- but not sure if relevant in Wales? Videos can be viewed in Wales, and include filming and media-content at three UN climate change conferences: 2009, 2010, 2011 with activist and NGOs, for example'; http://forabetterworld.net/projects/africa-roars
Carol Brown	More examples of TAN Dance Project over the past 5 years which impact on sustainable development: Fast Forward - Helping children make the transition from primary to secondary education Families Forward - working with underachieving pupils and their families Projects that integrate different generations/incomers with local people/able bodied with disabled Health & Fitness for all ages Cultural exchanges with learning disabled companies in Scotland and Spain Projects for young offenders Projects for young carers and home educated children Projects for autistic teenagers Closed projects for Muslim women
Rosemary Elisabeth Leach	With the un-earthed collective I will produce a performance based on oral history interviews with women who've worked with C.A.T over the last forty years, to be performed in Machynlleth on March 8th as part of International Women's Day and spark discussion about women's place in the environment movement.
Ann Shrosbree	Small World Theatre has been producing performances and workshops focusing on a range of sustainable development and social issues since 1979. Our experience in Arts and Development overseas has shown us how important it is for the future that young people understand and act positively in their role as global citizens. Arts based methods provide an accessible route to understanding complex problems. We have been commissioned by Oxfam, Save the Children, S.O.S Sahel, The Centre for Alternative Technology, the UN and others to create theatre and participatory arts projects on a range of issues. Two examples follow: Climart is a 3 to 5 day residency programme that works with a class, a whole year group or the entire school to explore the issue of climate change as it affects us here in Wales. Participants express their understanding of the issue by producing a stunning piece of art for the school. Resilience - A study of Community Resilience in Pembrokeshire to cope with climate change and to develop a Joint Public & Third Sector Action Plan. SWT is working with climate change consultant Tim Brew to facilitate third sector and public sector organisations in Pembrokeshire to plan for resilience in the short and long term.
Jony Easterby	Forth coming pilot 'For the Birds' event under development for October 2104 in collaboration with RSPB and ACW and NTW relating to bird ecology at the Ynis Hir reserve on

	the Dyfi Estuary.
Tom Payne	My partner, Becky Fleming and I are developing a relational performance practice at Ty'n yr Helyg Barn in Llanrhystud. In addition to the creation of theatre space for performance, we have been organising events that draw upon a diverse range of local (sometimes national) community members. These events seek to facilitate dialogue between temporary community members as they participate in the construction of a handmade performance practice in and around our home. This ongoing investigation attempts to engage with questions of what it means to live and work in 21st century Wales, and to look for more sustainable ways of living by creating a space for dialogue and sharing between artists, spectators and members of the general public. This quotidian practice is motivated by a desire to engage with, and to facilitate connections between, organisations and individuals operating both inside and outside of the arts.
Kate Strudwick	We are involved in the development of a wide range of craft-based activities that focus on the use of recycled and naturally sourced materials. There is a strong emphasis on making things yourself and using materials that are environmentally friendly. We run "environmental art walks" which involve collecting found materials (eg., leaves, berries, grasses etc) to create ephemeral artworks and connect people to the land. We run many projects that foster a "sense of place" and encourage an appreciation of the environment. We have developed a new app (FEED) that enables music to be composed from ambient sounds collected through "sound walks". We run "training for trainers" session to embed skills into communities (eg. carnival arts, lantern making, felt making, storytelling). Many of our projects are based on the ethos of helping people to take responsibility for their actions / their future.
Ariana Jordao	Coming up in march 2014 the launch of social fermentation symposiums in Cardiff; gatherings of a transdisciplinary network of practitioners and curious bodies re-framing the role of transformation, imagination and collaboration, at a neighbourhood gallery with an open door policy.
Paul Granjon	2014, Open day Flowering Elbow , Carmarthenshire http://www.floweringelbow.org//
Louise Osborn	Three theatre 'Assembly' projects in Butetown with National Theatre Wales - Large scale Community Participation events Ideas Express Madame Butetown's Birthday Feast Dadda's Coming Home
Amber Hiscot	Retracing our steps- the second land journey 2013
Frankie Armstrong	South Wales Branch of the Natural Voice Practitioners Network www.naturalvoice.net
Ben Ferguson-Walker	In 2003 I started an arts sustainability education coop, Re:Action, in Worcestershire, we delivered a number of drama workshops on SD for Wychavon District Council and went on to develop extended performances with two of the youth groups. I want to revisit this work and think it still has a lot of relevance and potential This year I am working on an application with the Carmarthenshire Forest Education Initiative (about to be Outdoor Learning Wales), to develop more work on incense, herbs and poetry. This is a process I piloted last year called "Myth, Medicine and Magic" and delivered at Clynfyw CIC and at Forest Farm Park, Cardiff With my Drunk Uncle act I am looking for funding opportunities to make two music videos, one about veganism / vegetarianism and freeganism (focus on carbon impact of meat and waste), and one on redundant product improvement ("Now With Added Aloe Vera")
Sian Cornelius	The last few years for me has been about finding a sustainable way to live, my story telling is a part of this. I don't see it as work, its my way of life. Connecting with other people trying to find a way has been inspirational and supportive. I've also show a way to other people so my 'work' or life isn't just projects its also having people over for a cup of tea so they can see what a compost loo looks like!
Emily Hinshelwood	Various projects with AAT.

Gill Dowsett	Current partnership projects which will see us doing further emotional literacy/education for understanding work in Wales + also bringing in legislative/forum theatre events. We are/will be working with young people with disabilities and young parents in Swansea and working with groups in Pembrokeshire including - Age Concern, Disability Wales, youth-homeless, crossroads care and Pembrokeshire People First. Our main work is Theatre of the Oppressed!
Sara Holden	Sculpture by the Sea UK Festival Neath Port Talbot - annual from 2010. Loughor Sculptures - www.sculpturebythesea.co.uk / gallery page 2012-13 Through the Seasons Art project - www.sculpturebythesea.co.uk
Janet Daniel	I have been involved with various playwriting projects organised by Emily Hinchelwood at Pontardawe Arts Centre, one called, 'Conscious Oil' I have written a play based on the Occupy Movement but it's never reached performance.
Phil Broadhurst	We act as a resource centre for local artists, providing materials such as books, photos, textiles, ephemera... We have a permanent "Amazing Suitcase Of Stuff" which provides inspiration and materials for artists. All exhibitions have opening events with Fairtrade refreshments. (Encouraging all artists and galleries in Wales to follow that example (or Fairtrade/Local) would be a simple and effective way of pushing sustainability)
Pip Woolf	Woollenline has many facets that constitute socially engaged practice around issues of sustainability. Gwynerfed High School and community members including the Brecknock Spinners and Weavers volunteered to make the felt for the first line. Crickhowell High School visited the site of Woollenline to make their own responses. Harvesting Woollenlines was an event that brought together different communities that form part of the work. Currently, "Create: Climate Change Conversations" is a further extension of the work building a link between urban and Rural communities and is scheduled for March 2014 in Bristol. The Big drawing events from 1999 to 2008 all focussed on the enabling power of drawing and involved events with the Powys mobile library as well as the Welsh Assembly staff.
Alastair Duncan	StillWalks is trying to develop as a commercial enterprise to promote health and wellbeing through appreciation and understanding of the environment. A StillWalks health and wellbeing at work package is currently being developed for the business sector and research is ongoing to find effective routes into the health sector and the tourism sector. If StillWalks can be commercially successful, future StillWalks projects will require less outside financial support and may be able to invest in other projects.
Bill Hamblett	We have 35 years of projects huge and small yet to be archived
	Ar hyn o bryd rydw i'n gweithio ar ddau brosiect cysylltiedig ymlaen yr Afon Taf, rhwng y Bannau Brycheiniog a Chaerdydd. Y ddwy yn edrych at ein perthynas ni i'r afon a'i thirlun, hanes, diwydiant ac amgylchion.

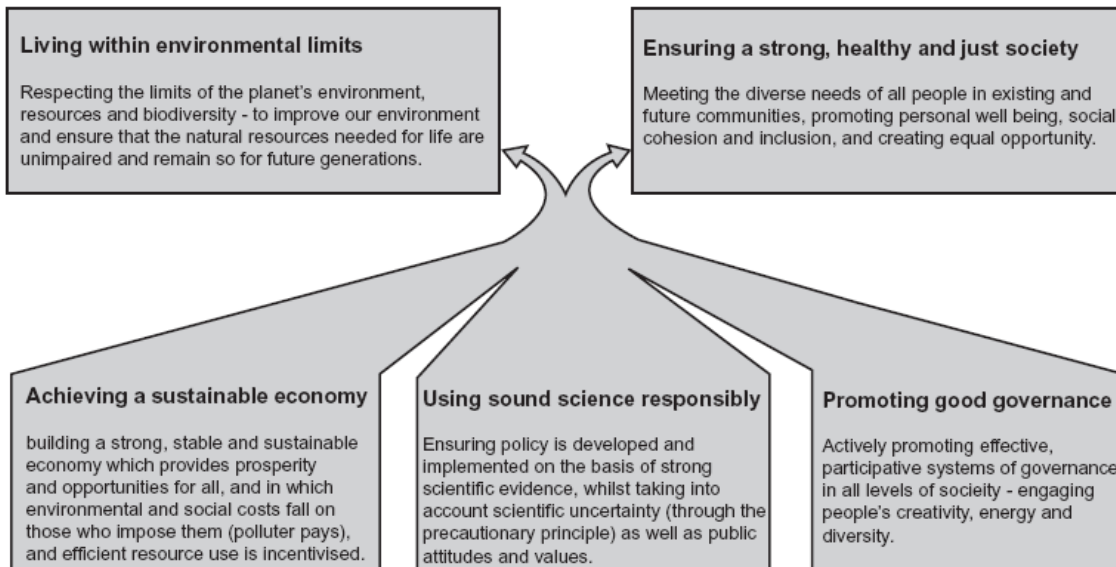
10. Definitions and Principles

The Brundtland Definition from *Our Common Future* commissioned by the UN in 1987:

"Sustainable development is development that meets the needs of the present without compromising the ability of future generations to meet their own needs. It contains within it two key concepts:

- *the concept of **needs**, in particular the essential needs of the world's poor, to which overriding priority should be given; and*
- *the idea of **limitations** imposed by the state of technology and social organization on the environment's ability to meet present and future needs."*

The UK's Sustainable Development Commission definition:



The Welsh Government also adopts the SDC approach but in addition presents further local clarification and a vision of a sustainable Wales:

The goal of sustainable development is to "enable all people throughout the world to satisfy their basic needs and enjoy a better quality of life without compromising the quality of life of future generations".

Sustainable Development in Wales

In Wales, sustainable development means enhancing the economic, social and environmental wellbeing of people and communities, achieving a better quality of life for our own and future generations:

- *In ways which promote social justice and equality of opportunity; and*
- *In ways which enhance the natural and cultural environment and respect its limits -using only our fair share of the earth's resources and sustaining our cultural legacy.*

Sustainable development is the process by which we reach the goal of sustainability.