POWER TO THE OLDER PEOPLE! AGEING, ENERGY DEMAND AND INTERGENERATIONAL RESPONSIBILITY

Rosie Day University of Birmingham r.j.day@bham.ac.uk

Age and environmental justice

- Distributional justice: a fair distribution of environmental 'goods' and 'bads' (after Rawls, Barry)
- Justice as 'recognition': recognising and catering for specific group characteristics and needs (after Fraser, Young)
- Procedural justice: transparency; free information; democratic and inclusive decision –making (see e.g. Aarhus convention, Young)
- Enhancing 'capabilities': providing the material and social basis for people to flourish (after Sen, Nussbaum)









Energy and environmental justice

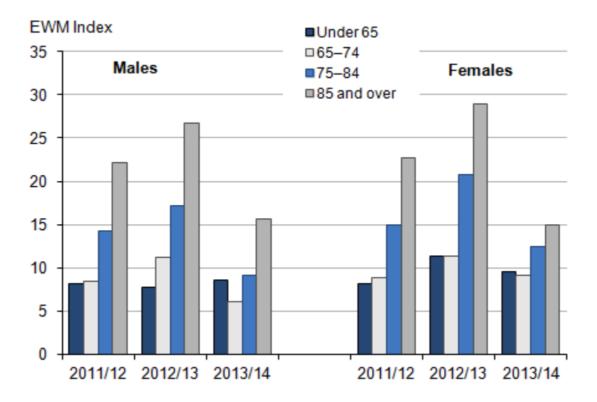
- Access to sufficient energy as an environmental resource
- Access to a healthy living environment
- Energy and specific needs
- Energy as a material pre-requisite of capabilities
- Fairness in the costs of energy production and consumption

Older people and energy 1: need and vulnerability

- Older people tend to use more energy at home
- More time at home (retirement)
- Specific physiological issues (thermoregulation)

Figure 5: Excess winter mortality index: by sex and age group, England and Wales, 2011/12–2013/14

England and Wales



Source: Office for National Statistics

Age	Total			Males			Females		
	Рор	0-E	O/E [CI(95%)]	Рор	O-E	O/E [CI(95%)]	Рор	0-E	O/E [CI(95%)]
< 35 years	26.9	67	1.1 [1.0; 1.2]	13.7	73	1.1 [1.0; 1.2]	13.3	-6	1.0 [0.9; 1.1]
<1 year	0.7	15	1.1 [0.9; 1.3]	0.4	25	1.3 [1.0; 1.6]	0.4	-9	0.9 [0.7; 1.1]
1–14 years	10.4	4	1.0 [0.8; 1.3]	5.3	-4	0.9 [0.7; 1.3]	5.1	8	1.2 [0.8; 1.8]
15–24 years	7.8	24	1.1 [0.9; 1.3]	4.0	26	1.1 [1.0; 1.4]	3.8	-2	1.0 [0.7; 1.3]
25–34 years	8.0	24	1.1 [0.9; 1.2]	4.0	26	1.1 [1.0; 1.3]	4.0	-2	1.0 [0.8; 1.2]
35–74 years	28.2	2930	1.3 [1.3; 1.4]	13.7	1773	1.3 [1.2; 1.3]	14.5	1157	1.4 [1.3; 1.4]
35 –44 years	8.6	151	1.2 [1.1; 1.3]	4.3	147	1.3 [1.2; 1.4]	4.4	4	1.0 [0.9; 1.2]
45–54 years	8.3	488	1.3 [1.2; 1.3]	4.1	364	1.3 [1.2; 1.4]	4.2	124	1.2 [1.1; 1.3]
55–64 years	6.2	615	1.3 [1.2; 1.3]	3.1	357	1.2 [1.1; 1.3]	3.2	258	1.4 [1.2; 1.5]
65–74 years	5.1	1676	1.4 [1.3; 1.5]	2.3	905	1.3 [1.2; 1.4]	2.8	771	1.5 [1.4; 1.6]
\geq 75 years	4.7	11731	1.7 [1.6; 1.8]	1.7	3505	1.5 [1.4; 1.6]	3.0	8226	1.8 [1.7; 2.0]
75–84 years	3.6	4558	1.6 [1.5; 1.7]	1.4	1910	1.5 [1.4; 1.5]	2.2	2648	1.7 [1.6; 1.8]
85–94 years	1.0	5691	1.8 [1.7; 2.0]	0.3	1355	1.6 [1.5; 1.7]	0.7	4336	1.9 [1.8; 2.1]
>≥95 years	0.1	1482	2.0 [1.8; 2.2]	0.0	240	1.8 [1.6; 2.1]	0.1	1242	2.0 [1.8; 2.3]
Total	59.9	14729	1.5 [1.5; 1.6]	29.1	5351	1.4 [1.3; 1.5]	30.8	9378	1.7 [1.6; 1.8]

Excess deaths by age and gender - France - August 1st to 20th, 2003.

Pop: estimated population in June 2003 (millions inhabitants); O: observed number of deaths; E: expected number of deaths; O-E: excess deaths, rounded up to the nearest integer; O/E: mortality ratio; CI(95%): 95% confidence interval of O/E.

From Fouillet at al, 2006, International Archives of Occupational and Environmental Health



Older people and energy 2: a travel boom among retired people?

- Tourism is generally on the increase globally...
- 'senior' tourism increasing faster than other groups
- British International Passenger survey shows trips taken by 55-64 and 65+ age groups growing much faster than for population as a whole (ONS 2013)
- European data showed 65+ age group to be the only group increasing in number of trips taken, 2006-2011 (Demunter 2012)
- Not only demographic change; also changing culture around ageing and consumption











👂 CONTACT US 🈏 🛗 ລົ

THE DEMAND CENTRE - COLLABORATIVE RESEARCH & ENGAGEMENT

SEARCH WEBSITE

HOME WHAT IS DEMAND? RESEARCH THEMES EVENTS WRITING, TALKING & IMAGES GETTING INVOLVED PEOPLE SNAPSHOTS

THE DEMAND CENTRE FOCUSES ON WHAT ENERGY IS FOR.

Our research takes a distinctive approach to end use energy demand, recognising that energy is not used for its own sake but as part of accomplishing social practices at home, at work and in moving around.

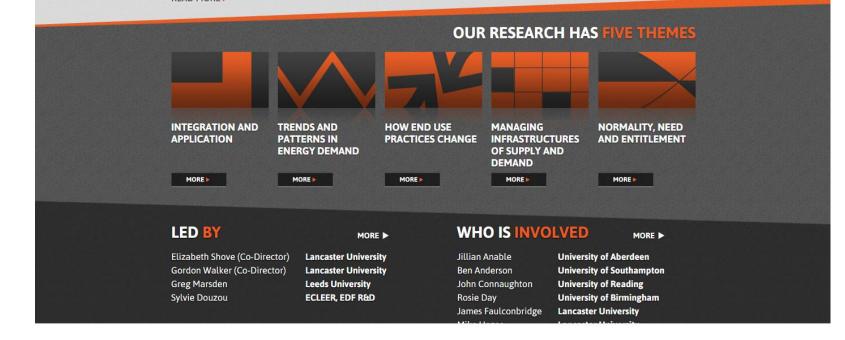
WHAT'S GOING ON

Job vacancy: senior research associate
Job vacancy – Senior... READ MORE ►

Call for applications - visiting fellowships International Visiting... READ MORE >

Call for journal papers CFP: Transport Policy...

READ MORE



www.demand.ac.uk

@DEMAND_CENTRE

Intergenerational responsibility

Ethic of care towards older people

- Supportive environments
- Access to resources
- agency

Responsibility towards next generations

- Consideration of legacy
- Responsible use of resources

Interdisciplinarity to support intergenerational dialogue and mutuality

Design, planning and policy

- Inclusive, flexible design
- With the involvement of older people
- Delivered efficiently and equitably
- Meeting older peoples needs while involving them in low carbon transition

http://www.sed.manchester.ac.uk/research/marc/research/conditioningdemand/

Universal design

- Equitable
- Flexible
- Simple and intuitive
- Tolerance for error
- Easy perception of information
- Low physical effort
- Suitable size and space

(see also inclusive design)

New technologies for intergenerational dialogue?

Coventry St	Campus Map ▼ Social Media Directory ▼ Careers ▼ Contact Us ▼ Portals ▼								
* STUDY LIFE ON CAMPU	IS GRADUATION AND BEYOND	RESEARCH	BUSINESS	Search	Q				
You are here: <u>Home</u> / <u>Life on Campus</u> / <u>Fa</u>	culties and Schools / Faculty of Engineering a	nd Computing / <u>Bus</u>	<u>siness Services</u> / Smarte	r Households					
► STUDY	Back								
VIFE ON CAMPUS									
Find A Course									
Student Life									
Faculties and Schools									
 Faculty of Business, 									
Environment and Society			SM	1ARTER 🥕					
 Coventry School of Art and 		_			-				
Design			HUUSE	HULUS	1-				
Faculty of Engineering and	Smarter Housel	bolds	for low ca	gital networks rbon lifestyles					
Computing									
Our Courses	Like 0 Tweet 0 8+1								
Research									
Business Services	Smarter Households is a 5 year researc	ch project that air	ns to develop an inte	ractive digital system d	lesigned to				
About Us	make it easier for households to see, u	inderstand and m	anage their energy c	onsumption and bills.					
Consultancy	The project has 4 stages:								
Research	······································								
 Professional Development 									
High Performance	High Performance levels. This will be displayed in real time on an interactive 3D dashboard, viewable on a tablet or smart phone user can display historical data and set goals for themselves.								
Engineering Centre	2. To create a Virtual Energy World Game	e (VEWG) for tablet	or smart phone, allowing						
(HPEC)	testing of different scenarios, alongside paying the utility bills.	fun and engaging a	activities in a virtual work	d, to involve those not resp	onsbile for				
Smarter Households	3. To trial the IMSS and VEWG with real O	rbit Housina Group	households for one vea	r.					

What's it all about?

- 4. To develop a low carbon lifestyles engagement activities to support the IMSS and VEWG in helping households to meet their

Using arts and humanities for expression and engagement

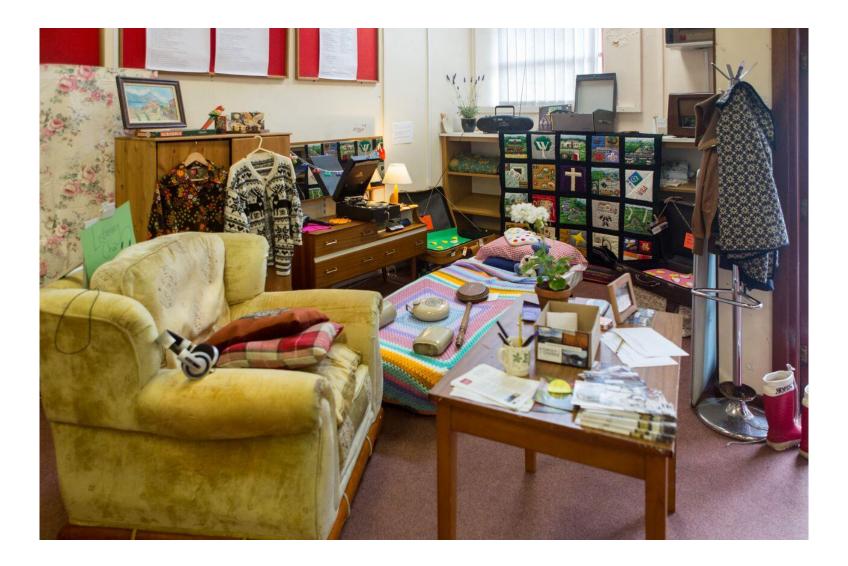


Stories and narratives can be...

- Historical
- Biographical
- Literary
- Architectural
- Told through different media and forms
- Analysed using different methods
- Community building
- Pedagogical
- Emancipatory





















Some reflections on interdisciplinary working

- Doesn't suit everyone!
- Need to be open minded
- Don't take vocabularies for granted
- Disciplinary modes of interaction can differ
- Build in time for discussing core concepts and team building

Demand Centre:

www.demand.ac.uk @DEMAND_CENTRE

Stories of Change: storieseverydaylives.wordpress.com @energeticstory

Smarter Households:

google smarter households coventry university

Contact me: r.j.day@bham.ac.uk