

cycle BOOM

DESIGN FOR LIFELONG HEALTH & WELLBEING

First Stakeholder Advisory Group Meeting

12 March 2014













Agenda



ltem	Time					
	09.45	Arrival Coffee				
1.	10.00	Welcome & Introductions [Tim Jones, Oxford Brookes University (OBU)]				
		 Meeting Objectives Advisory Group Terms of Reference Project Branding 				
2.		cycle BOOM Overview [Tim Jones, OBU]				
		Overview of Work Packages				
3.		WP2: Design and Policy Scoping [Emma Street, University of Reading]				
4.		WP3: Examining Existing Data [Kiron Chatterjee, University of the West of England (UWE)]				
5.		WP4: Cycling Life History Interviews [Heather Jones, UWE]				
6.		WP5: Cycling Mobility Observation Interviews [Justin Spinney, Cardiff University]				
7.		WP6: Cycling and Wellbeing Trial [Carien van Reekum, University of Reading]				
8. 12.00 Roundtable Discussion		Roundtable Discussion				
		General Approach Methods				
	13.00	LUNCH				
9.	14.00	April - September 2014 Plan				
		RecruitmentParticipant Journey				
10.	15.00	Roundtable Discussion				
		 Recruitment and the 'Participant Journey' Impact Stakeholder Involvement Date of the Next Meeting 				
	16.00	CLOSE				

Design for Wellbeing Call





Design for Wellbeing: Ageing and Mobility in the Built Environment

Call Type: Expressions of Interest

Closing date for Expressions of Interest: 12:00 noon on 10 September 2012

Closing date for full proposals for invited applicants only: 16:00 on 28 November 2012

Summary

The Engineering and Physical Sciences Research Council (EPSRC) is leading a call with the Economic and Social Research Council (ESRC) and the Arts and Humanities Research Council (AHRC) for evidence led research into ageing and mobility in the built environment. The call is being run under the auspices of the Lifelong Health and Wellbeing (LLHW) cross-council ageing research programme which supports research addressing factors throughout life that influence health and wellbeing in older age.

The EPSRC, ESRC and AHRC invite research proposals from interdisciplinary consortia able to address the scope and interdisciplinary ambitions of the call.

There is up to £7M available through this call: EPSRC will commit up to £4M, ESRC up to £2M and AHRC up to £1M to support a maximum of five large multi-disciplinary projects of up to three years. A two stage process

BOOM!



Promoting Independent Cycling for Enhancing Later Life Experience and Social Synergy through Design (PrICELESS Design)



Stakeholder Advisory Group



- Brings together representatives of organisations with specialist knowledge or interest in how built environment design and bicycle technology affects cycling mobility and wellbeing amongst the older population.
- Established to support the project and advise on how to ensure the project findings have an impact within policy making and industry.



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Aim:

To develop understanding of older people's mobility and its relationship to wellbeing.





- <u>Explore</u> the ways in which older people's mobility is constructed and understood in government policy;
- <u>Identify</u> examples of best practice in relation to older people's engagement in cycling;
- <u>Assess</u> the barriers preventing older people from cycling and the factors likely to increase cycling into old age;
- <u>Understand</u> the relationship between cycling and the social, physical and mental wellbeing of older people;
- <u>Review</u> existing research adopting a life course approach;
- <u>Engage</u> policymakers and the wider public in mobility and ageing issues.

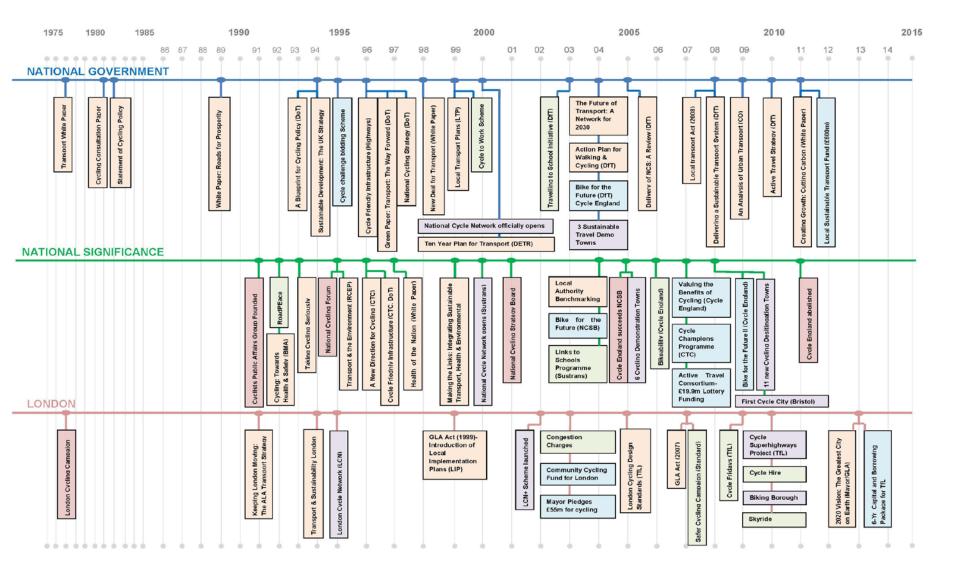


Policy Review

- A historical and thematic overview of policy related to cycling in the UK.
- Timeline of significant cycling events / policies nationally; in London; in Cardiff, Oxford, Reading and Bristol
- Overview of how dominant policy discourses have changed over time
- Understanding the emerging role of wellbeing and health in 'official' cycle policy and guidance

WP2: Policy Timeline





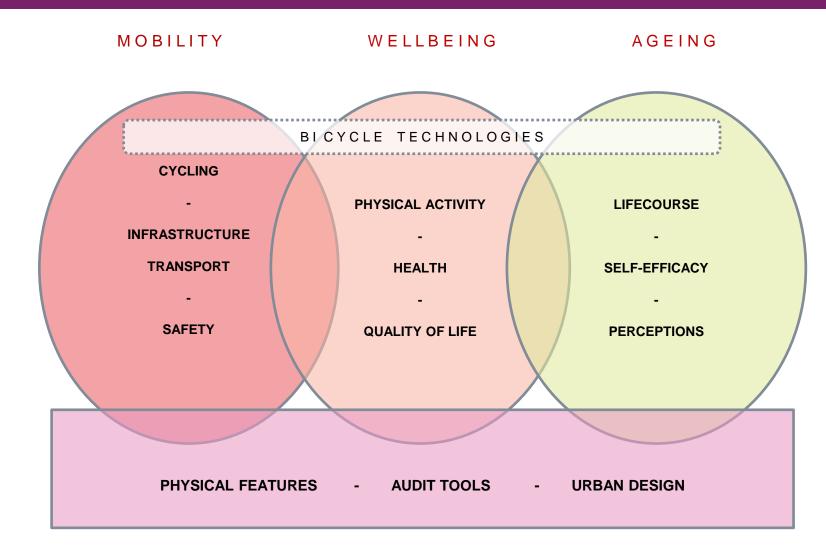


 Review of the academic literature, existing datasets and sources (e.g. surveys), and government policies and programmes relating to design, wellbeing and (cycling) mobility

 Thematic approach – Mobility; wellbeing; ageing; design

WP2: Thematic Approach





DESIGN



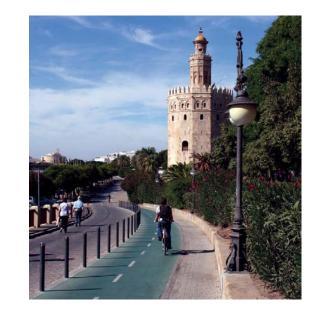
- 4 UK case study locations
 - Reading
 - Oxford
 - Cardiff
 - Bristol
- Interviews with local stakeholders to build picture of activity/context at each site



WP2: EU Best Practice

• Seville, Spain

- Regional capital
- Historic urban core
- Low cycle rates (x10 increase in cycling 2006-10)
- Stakeholder interviews
- 8-80 initiative
- Links to Bogota, Colombia





Munich, Germany

- Regional capital
- MobilTUM 2014 conference
- Cycling for older people initiatives
- Stakeholder interviews

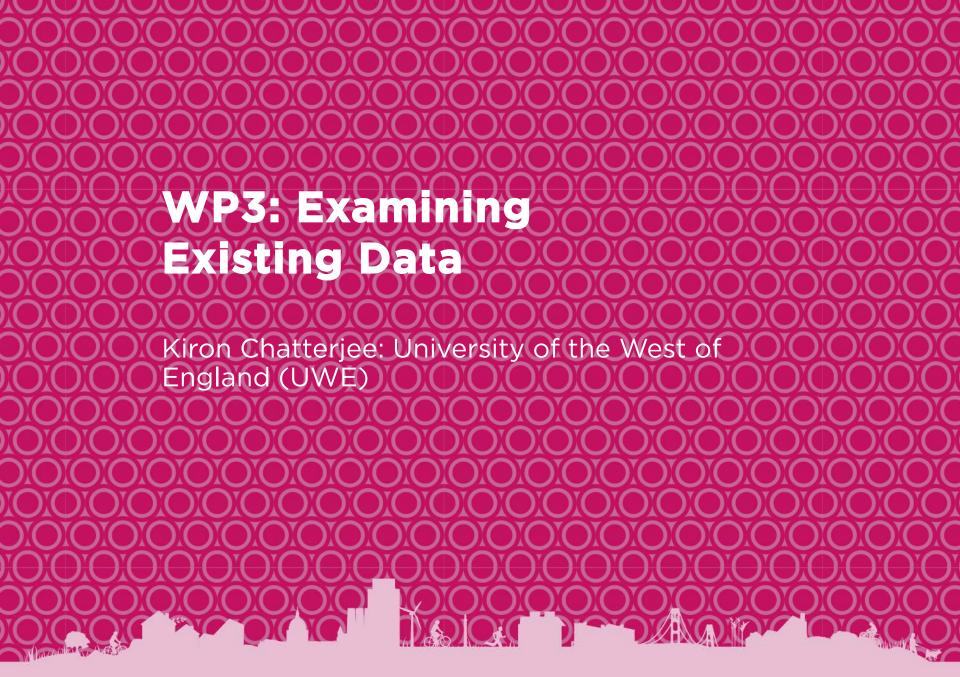


Scoping study - Outputs





- Scoping study report combining policy and thematic/literature review
- Building a comprehensive picture of older people and cycling at national and urban/local scale
- Evidence base to inform and support other work packages, and enhance understanding of place-specific factors such as governance frameworks in case study cities





- Set the scene and inform the rest of project.
- Generate complementary findings to those of other work packages.
- Establish authoritative, up-to-date evidence on older people and cycling in UK.
 - Statistical evidence at national and local level.
 - Qualitative insights from locations across UK.
- Not attempting to benchmark UK against other countries (but see WP2).



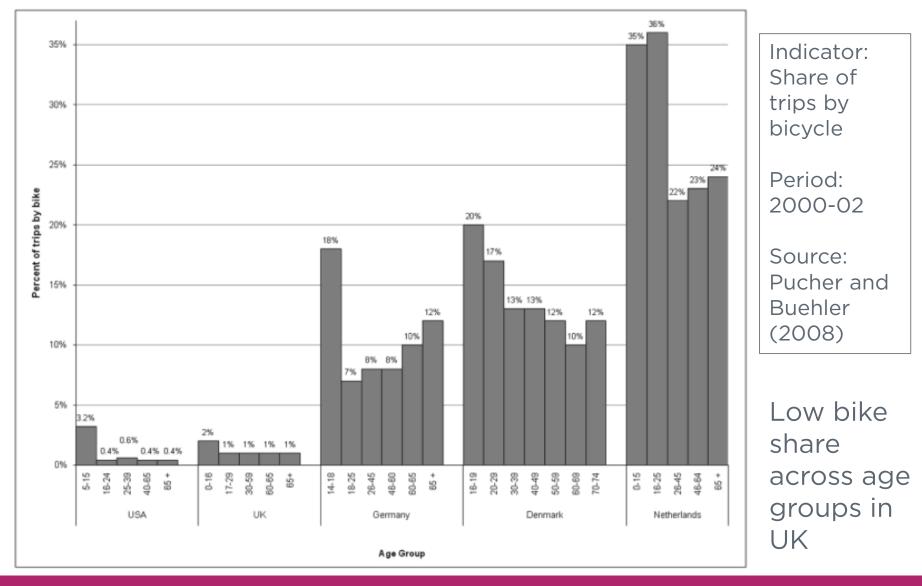
- 1. Create a rich description of older people's participation in cycling.
- 2. Provide informative profiles of older cyclists.
- 3. Reveal the motivations and barriers for older people cycling.
- 4. Assess the success of cycling initiatives in engaging older people.
- 5. Map out the potential expanded market for older people cycling.
- 6. Identify limitations of existing data on older people cycling and remedies to this.



What we already know

National comparison

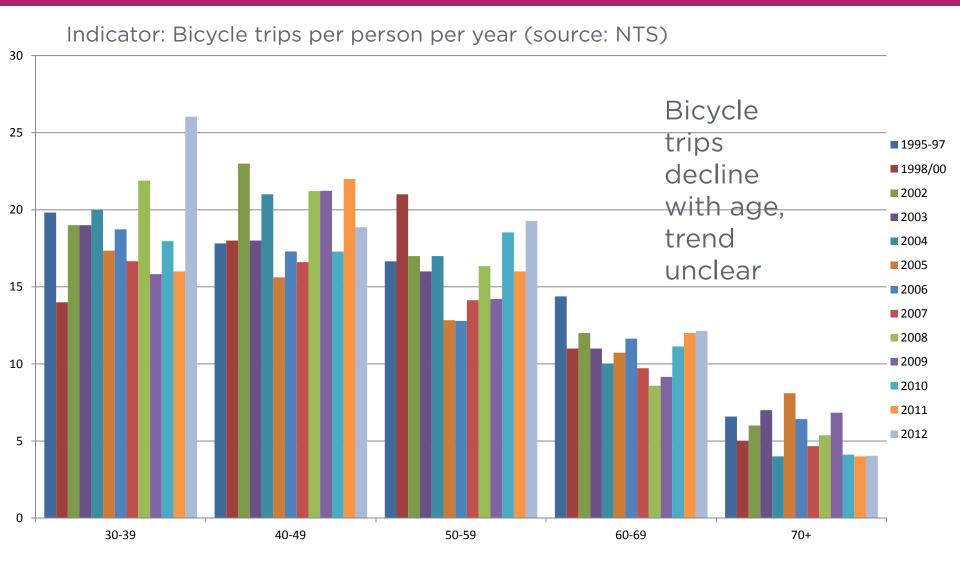




UWE

Trend over last 15 years in GB





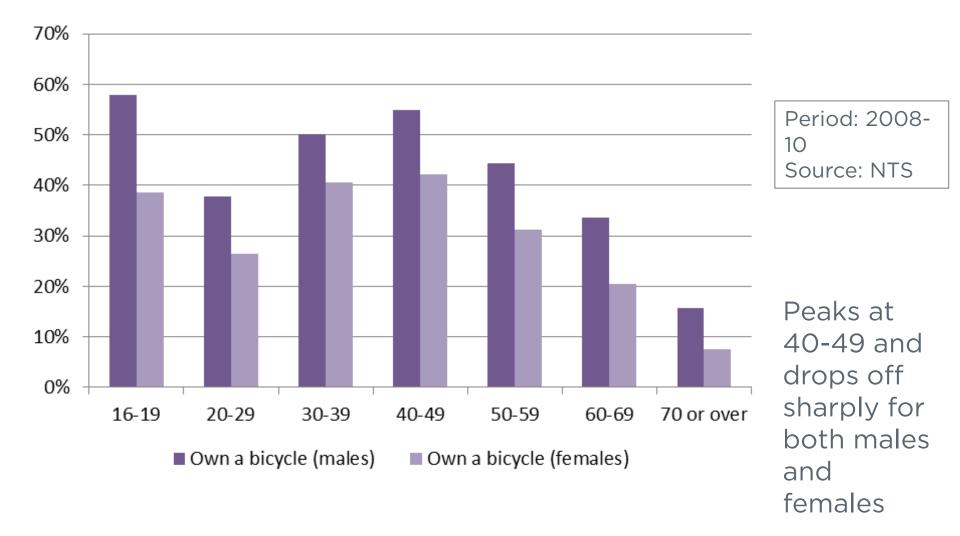
UWE



Richer description of bicycle ownership and use

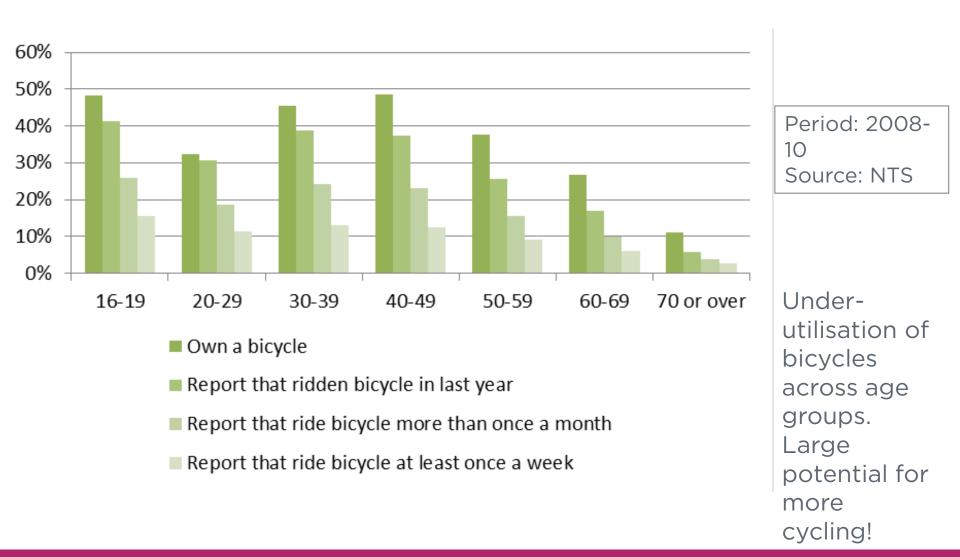
Bicycle ownership





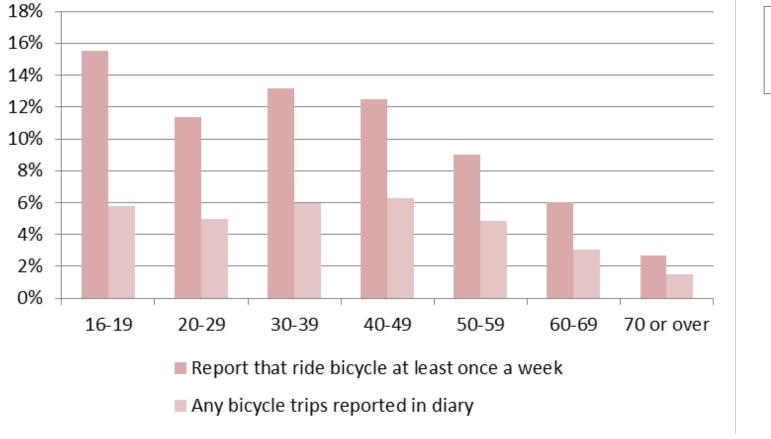
Self reported bicycle usage





Bicycle trips recorded in diaries



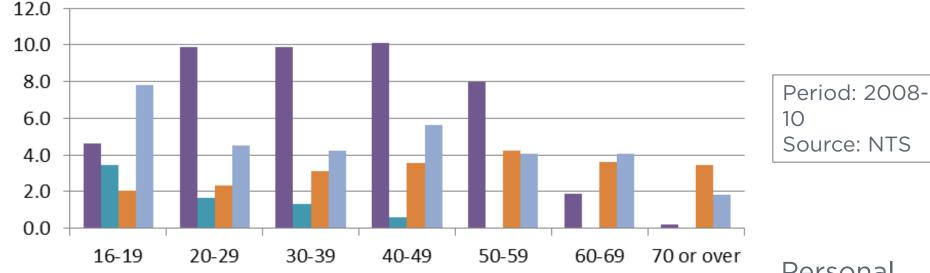


Period: 2008-10 Source: NTS

Confirms decline in bicycle trips with age (diaries indicate half usage levels of self reporting)

Purpose of bicycle trips



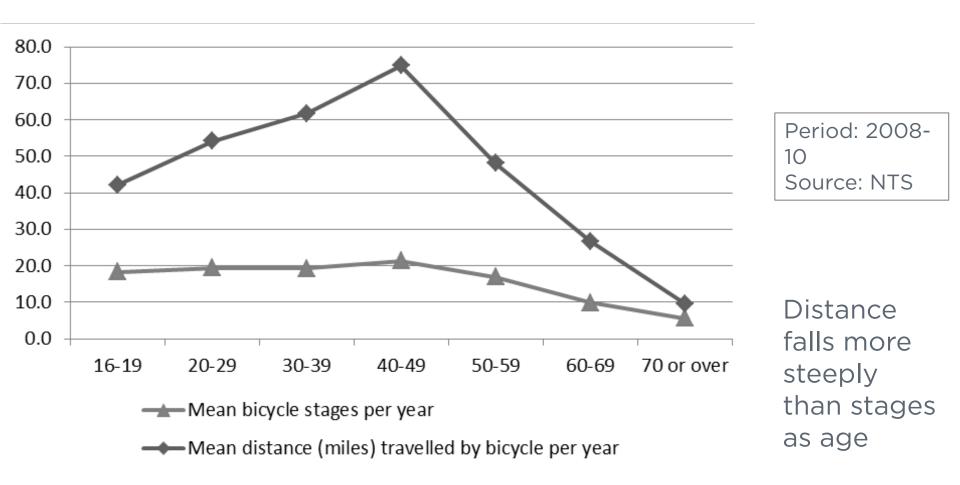


- Mean bicycle trips per year for work
- Mean bicycle trips per year for education
- Mean bicycle trips per year for personal business
- Mean bicycle trips per year for social

Personal business and social become main purposes as age

Bicycle stages and distance







Profiles of older cyclists

Profile of older cyclists (60-69)



Characteristic	Own bike	Report bike trip	
Across all aged 60-69	27%	3.0%	
Live in Metro area	16%	1.0%	
Live in rural area	38%	3.5%	
Live in purpose-built flat	12%	2.9%	
Live in detached home	37%	3.5%	
Own 0 cars	14%	3.5%	
Own 2 cars	36%	2.9%	
Lowest income quintile	22%	3.7%	
Highest income quintile	41%	3.6%	
Female	20%	1.9%	
Male	34%	4.3%	
Non-white	7%	1.6%	
White	28%	3.1%	

Period: 2008-10 Source: NTS

Own bikes wealthy, male and white!

Use bikes – male and white but more mixed

Built environment and bicycling



Settlement type	16-59	60+
London	5.9%	2.2%
Metro	3.9%	1.0%
Other urban over 250k	6.6%	2.7%
Urban 25k to 250k	6.0%	2.3%
Urban 10k to 25k	5.5%	2.9%
Urban 3k to 10k	5.0%	2.5%
Rural	5.4%	2.6%
Overall	5.6%	2.3%

Indicator: Any bicycle trips reported in diary Period: 2008-10 Source: NTS

60+ relatively more likely to cycle in smaller settlements (than 16-59)



Agreement with statement	16-59	60+
Disability/health making it difficult to cycle	6%	43%
Not kind of person who rides bicycle	30%	48%
Confident cycling on roads	41%	22%
Too dangerous for me to cycle on roads	57%	72%
Cycle (more) if more dedicated cycle paths	55%	42%
Rather cycle than use public transport	40%	18%
I (would) enjoy cycling as a leisure activity	72%	45%

Period: 2009-10 Source: DfT Climate Change and Transport Choices Segmentation Model project (N=3923)

Less able/ inclined to cycle and discouraged to cycle on roads

Other themes and data sources



- Contribution of cycling to physical activity and association with health and wellbeing (HSE)
- Cycling for leisure (APS)
- Bicyclist accident involvement (Stats 19)
- Local variation in bicycle use and the profile of bicyclists (NHTS, APS)
- Route user age profiles (Sustrans)
- Engagement of older people in cycling initiatives (e.g. Sky Ride participant data)
- Cycling experiences and thoughts (interviews from UWAC, Cycling City and Town evaluation)

For discussion



- Do you have suggestions for priorities?
- Can you suggest data sources that would be useful?
- What do we want to know but there is no data currently available?





1) Currently cycling

2) Early adulthood but no longer

3) Mid-adulthood and/or early but no longer

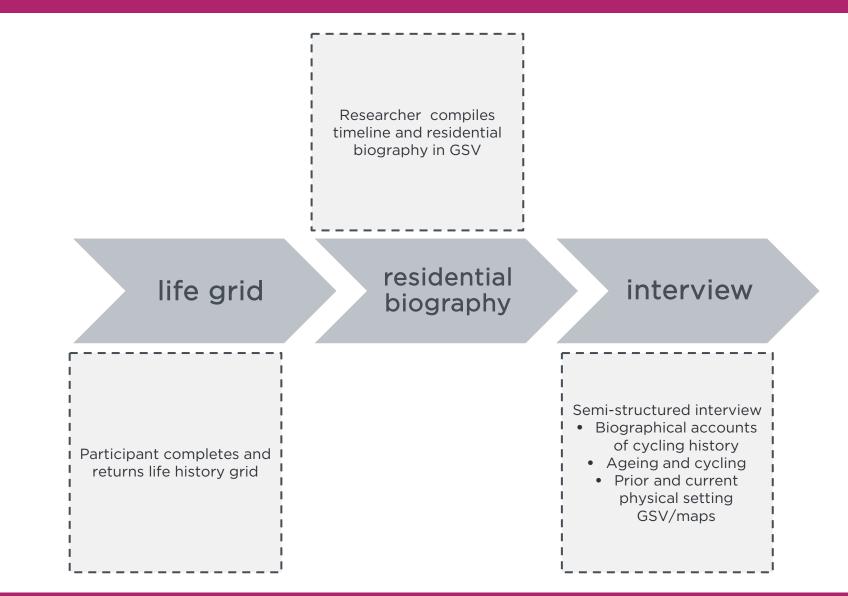


Through individual life histories of cycling reveal

- whole-life view on engagement with cycling
 - Behaviour change and continuity in relation to life events and transitions and evolving social and physical settings
 - potential to cycle through life
- experience and narratives of cycling and ageing
 - How cycling is affected by mid / later adulthood transitions?
 e.g. changing work patterns, family structure, roles, health
 - Adaptive, restorative and diminishing changes
 - Outlook for future cycling
 - What narrative forms are present ?

Method





12 March 2014

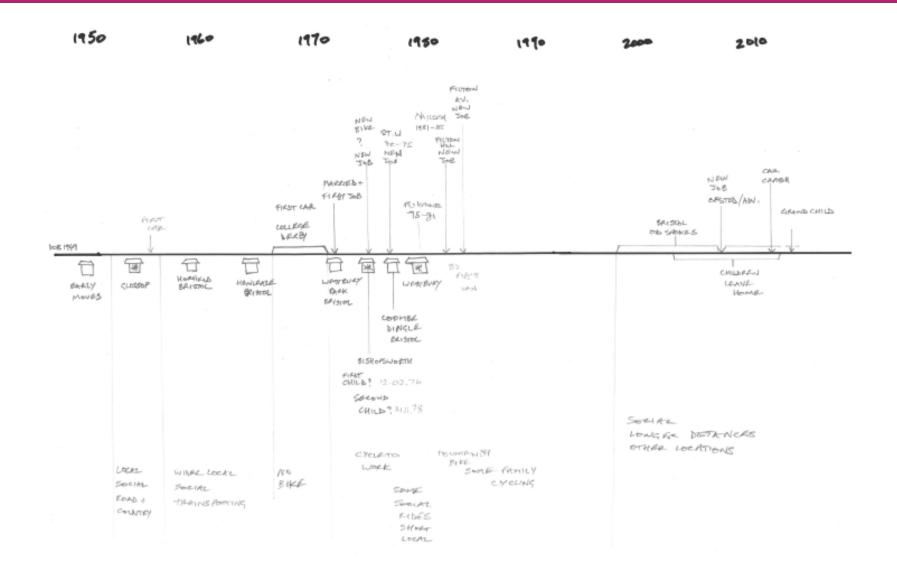
Life history grid

	/cle
BO	OM

Year of birth: 96	3 1950s	1960s	1970s	1980s	1990s	2000s	2010s
Residence		HARLOW, ESSEX	-> 1977 ADFalton Helefaeonho To 1980	CLYRD HEREFORD TO 1982	WESTBRY ONJ TRYM	WESTBURY W RYM	WE BURY TRYM
Household		NUM, DAD, OLDER SISTER	M, D, SISTER	M, D 2 WARK COLLEMENTS IN HOUSE STROAT	PROFESSIONAL MARINED WITH 1991 FRAMIUME DAVENTRY 1992 SON1995	ME, WIFE, Sawy DAUGHTER.	DAUGHTER TO WINN MENTY 2010 SON TOWN 201
Education / work (paid / unpaid)		PRIMEY SCHOOL 1968	SECONDARY SCHUDL HARLOW THEN WIGHALE, HELEPA 1977	STATA FOLM PAD LEDMNETEL JOB 1980-82 1986 PAD VOLL NAILSE 82-83 UNIVELSTY 83-86		2005 50B 	JOB CHIMENHAM WILTS ZOID-NOW
Activities / hobbies / leisure			FOOTBALL SPORT ADVENTURES WITH FRIENDS	FOOTSALL BACKETSALL (SCHOOL+UNIV.) FOOTBALL AT U		WALKI WITH KOS 5-A-	, FRIENDS
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Cycling • owned or had access to a bike		TOY BILLES ETC	\checkmark	V			
Cycling - activity			WENT EVECTIONEN ON BIVEE RECOM 1975-		CYCLED AT LEWRE PARKS ONCE	NO OTHER BILLE USE.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

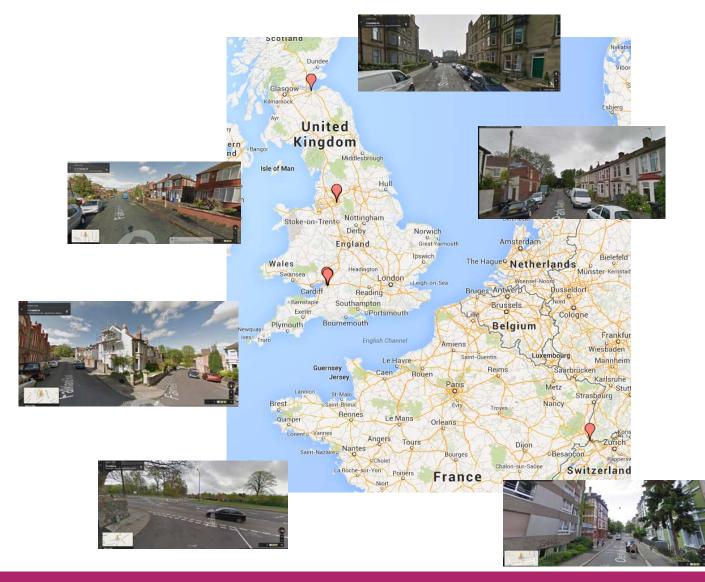
Timeline





GSV residential biography





12 March 2014

Pilot interview





- Ageing and cycling
- Past routes
- Aspiration for cycling



- How to tailor the method for interviews with those no longer cycling and may not have for some time
 - Not making it an inquisition
 - times of potential cycling
 - Exploring outlook for cycling
- How to use GSV/maps in interviews and in analysis?



WP6: Cycling and Wellbeing Trial

DX

Carien van Reekum: University of Reading

Man Ares

Mediating factors





- Is exercise and better cognitive performance in older age causal?
- Better cardiovascular/cerebrova scular health?
- Effects of other factors:
 - Depression
 - Social
 - interaction/engagement



- AIM: To test the impact of (re)discovering cycling on mental health and wellbeing in older adults.
- What is well-being?
 - Mental & physical health
 - (Social) engagement
 - (Life) satisfaction
 - Purpose in life
 - Feeling "happy"
- Approach taken: focus on cognitive performance and self-reported well-being



- Cognitive function
- Eudaimonic wellbeing
- Hedonic wellbeing (life satisfaction)
- Physical health

Method



- Participants:
 - 80 Middle to older aged (50 and up) not currently cycling
 - From different WPs
 - Recruited in Reading & Oxford
 - Half will e-bike
 - -20 same-aged controls
- 3 x per week for 30 mins each
 - Self-reported recording of actual activity level (frequency, duration, distance)

Measures of cognitive function



- Standardised tests MMSE (but too global initial testing for profiling reasons)
- General processing incl memory
- Executive function: Shifting, updating, inhibition (Miyake et al., 2000), "working memory"
- Tasks:
 - CERAD elements
 - Letter memory
 - Plus-minus
 - Stroop/Go-No Go/Eriksen flanker task
 - Pro-active interference

Psychological well-being



- Eudaimonic vs hedonic well-being
- Hedonic WB: Satisfaction with Life Scale (Diener, 1985)

Below are five statements with which you may agree or disagree. Please circle the item that best reflects your agreement with each item. Please be open and honest in your responding.

1 = Ströngly disagree 2 = Disagree 3 = Slightly disagree 4 = Neither agree nor disagree 5 = Slightly agree 6 = Agree 7 = Ströngly agree

 In most ways my life is close to my ideal. 	1	2	3	4	5	6	7	
2. The conditions of my life are excellent.	1	2	3	4	5	6	7	
3. I am satisfied with my life.	1	2	3	4	5	6	7	
 So far I have gotten the important things I want in life. 	1	2	3	4	5	6	7	
If I could live my life over, I would change almost nothing.	1	2	3	4	5	6	7	

Psychological well-being



- Scales of Psychological Well-Being (PWB, Ryff, 1989)
- Autonomy, environmental mastery, personal growth, positive relations with others, purpose in life, and self-acceptance
- Items include
 - "I have confidence in my opinions, even if they are contrary to the general consensus"
 - "I am quite good at managing the many responsibilities of my daily life"
 - "I think it is important to have new experiences that challenge how you think about yourself and the world"
 - "People would describe me as a giving person, willing to share my time with others"
 - "I am an active person in carrying out the plans I set for myself"
 - "Some people wander aimlessly through life, but I am not one of them"
 - "When I look at the story of my life, I am pleased with how things have turned out"



- The SF-36v2 Health Survey
 - vitality
 - -physical functioning
 - -bodily pain
 - general health perceptions
 - -physical role functioning
 - emotional role functioning
 - social role functioning
 - mental health



- Outcomes:
 - Cycling as another means for exercise to promote mental and physical health
 - Demonstrating better health will stimulate the public to (re)engage in cycling
 - Policy making
- Issues:
 - Compliance
 - Age distribution of volunteers
 - Cycle ownership, maintenance & repair
 - Safety of participants throughout the trial



• Your task is to name the colour of the ink that a word is printed in, and ignore the meaning of the word:

RED GREEN BLUE



GREEN



BLUE



RED



WHITE



BLUE



BLACK



RED



BLACK



GREEN



- 1. Are you aware of any policies or programmes promoting older people's cycling in the UK or EU?
- 2. Do you have suggestions for any other possible data sources to analyse?
- 3. Do you have any comments on the empirical methods we are proposing?



Recruitment and Participant Journe

Tim Jones, Ben Spencer, Nick Beale Oxford Brookes University

COVAn Araba

C. Martin

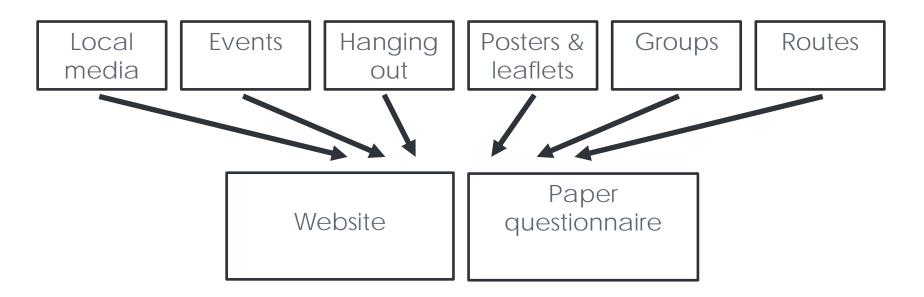
Sampling approach & participant journey



	SAMPLING FRAME								
	Oxford Reading Bristol Cardiff								
avala DOOM	Selected Urban Suburban Peri-urban areas								
cycle BOOM	TARGET SAMPLE POPULATION								
5		240 older	r people [1		in 2014 1	20 Wave 2	2 in 2015]		
					female	k			
sampling approach					60-69 70				
					cruitmen				
and participant	www	cycleboom				snowballing hanging out			
journey -	<u> </u>	.cycleboon			ENING SUI		Ig nang	lig out	
					not currer				
-					URNEY				
METHOD	OXF	ORD	REAL	DING	BRISTOL		CARDIFF		
Cycling life history interview									
[n=120]	10	20	10	20	15	15	15	15	
	1	1	1	1.1					
	+		+		1		1		
Cycling mobility observation-					-		-		
interview	10		10		15		15		
[n=50]									
Cycling and wellbeing trial [n=40 + 10 control]	* *			*	No trials No tria				
Pedal cycle		10		10					
Electric cycle		10		10					
Control		5		5					
		5		5		Version 1.0 La:	st updated Feb	12 2014	

Recruitment







You are here: Home / Contact / Register Your Interest

Y 🕹 Participate in our study

Subscribe to our

newsletter

Read our blog

Follow our Tweets

Pin your cycling photos

Register Your Interest

We are looking for a diverse range of participants approaching later life (aged 50-59) and in later life (age 60+) living in the Bristol, Cardiff, Oxford and Reading areas to take part in our cycle BOOM study. We are especially interested in hearing from people who don't regularly cycle any more.

Whether you cycle or not, we are interested in hearing from you! We will be selecting people in the first quarter of 2014. We will get in touch with those we'd like to work with by the end of March 2014. If you have not heard from us by that date then unfortunately we will not have been able to select you to participate in the study.

Privacy policy: The information requested below will allow us to draw a diverse sample of participants.

All information is collected and stored in line with our privacy policy, this also covers data security, including details on 128-bit SSL encryption.

Participant questionnaire

cycle BOOM

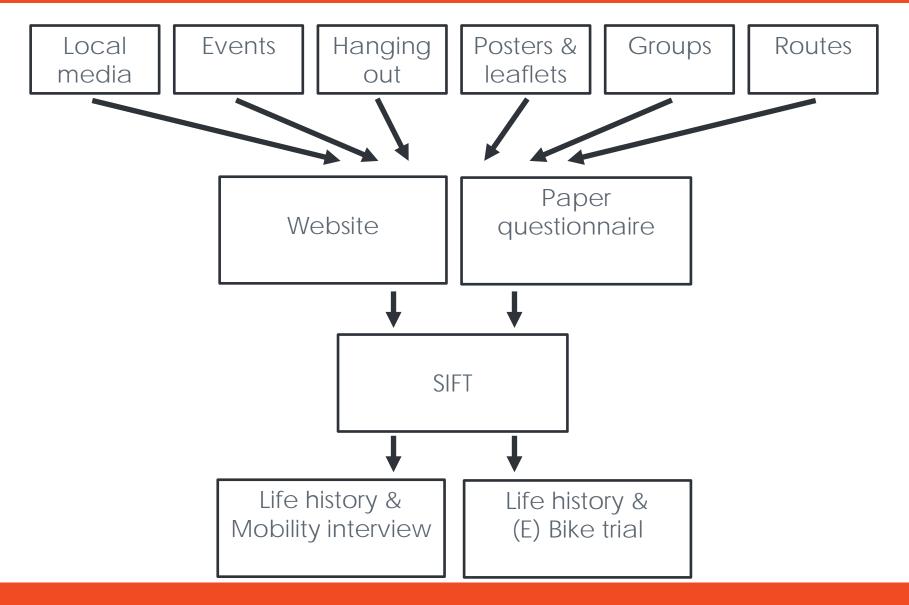


12 March 2014

Oxford Brookes University

Recruitment





Participant information



Who is organising and funding the research? Cride BOCH is being led by Or Tim Jones & Senior O'DR BOOM IS Deng Tea DY OF TIM Jones & Senex Register dt Fellow in the DROWTINGK of Planking at Joner & Browley I surgeretter True Landers and Boards Research Follow in the Department of Flanning at Oxford Brokies University The University of Reading the University of the West of England (British) and the University of two vives or Englisma (enrice) and Cardiff University and are partners in the recearch.

Orde BOOMIS funded by the UK Research Council's before the tradition and stationary of Usan Ordel BOOM is funded by the UK Research Council's through the Lifelong Health and Wellbeing (LLHW) The study has been reviewed and passed by the The study has been reversed and passed by the Relearch Ethics committees of codord Brooker (Rel No 2000) and University of Reading (Rel No 2000) and Annual State and Annual State Stat NO XOXX and University of Reading (Ref 160 XXXX) and complete with the requirements of Cardit University and the Linear Annual Carditic Carditic University and

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complete with the tequirements of Can the University of the West of England

Further details are available at www.cycleboom.org

If you have any concerns about the way in which the

If you have any concerns about the way in which the study has been conducted, please contact the Cheir of the Learness because in ensure monwrites on each en-

study has been conducted, please contact the Chair of the University Research Ethics Committee on **ethics**

Request our neuroletter and bookmark

Frequent our newserine and poord

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Further details of the LLHW programme

If you reasure any further information please contact. Contact for further information ** This head in any increase a sine remain transmit Nick Basile – cycle BOOM Protect Manager Oxford Brookes Understanding Control (Control Parenting) Headington Road Campus, Oxford OX5 0EP Headington Road Campus, Oxford OX5 0EP

You are invited to take part in the cycle BOOM study. Before you decide whether or not to take part, it is important

cycle BOOM Design for Lifelong Health and Wellbeing

for you to understand why the

research is being conducted

and what it will involve. Please

take time to read the following

information carefully.

Study : Everyone who takes bert in cycle BOOM will be given the online to ensure a chart count on the most findings the Everyone who takes part in cycle BOOM will be given the option to receive a short report on the main findings, we will be there the treatment of the memory are there are the short report. option to receive a short report on the main findings. We will publicise the toolkit and documentary film through the contract and tool each other structure.

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the national and local media and partner organisation We will also be furning seminars and conference to the control about a net certific net und the hermatic parts We will also be running seminars and conterence to tail people about our results as well as blogging and

tweeting throughout the project. What should I do If I want to take part? final structure to write the end of the end If you are nappy to fare part please complete and gen the attached consert form and return it to the project memory reters the content Actual Induct whe wait the

TASK A: CYCLING LIFE HISTORY INTERVIEW

This task will involve mailing you a "life history grid" in This task will involve mailing you a life history grid in the post for completion in your own time on the grid we ask you to provide brief details on where you have history because the second statement of the second statement of the second branch because the second statement of the second statement of the second branch because the second statement of the second statement of the second statement of the second statement of the second second statement of the se We ask you to provide brief details on where you have lived, family circumstances, places of education and work, methods of transport hobbies fasture activities, and methods of transport notices/assure activities; and when you have cycled in your life. The task is relatively determined activities to activities to activities to activities. when your nave cycled in your nie. Inte fask is realinely straightforward and will take no longer than one hour dates completion it was will need to entry the board of the straightforward and will take no tonger than one hour After completing it you will need to return the life history

After completing it you will need to return the life natory of those to organize the prepaid envelope it you are unsure of how to organize the test sector of the sector o and in the pre-paid envelope it you are unsure of now re-complete the task you can contact us for support using

We will contact you within 7 days of receiving your life Nistory and 'to organise a follow up interview Triscan taken dans at which before a taken to be received. NEXOTY GIVE TO Organise a Tomow UD THEF NEW. THIS CAN take place at your home, at the University or another commented relationshape and unitative on Longer home lake place at your home, at the University or another convertent public place and will take no longer than one book Microitunes on University Investigation at the interaction Convenient Dublic blace and will take no longer than one hour we will use an illustrated timeline at the interview resembled from the web latence and the event of the event Nour. We will use an illustrated timeline at the internet (complied from the life history and) to explore the role Complied from the life history grid') to explore the role that cycling has or has not played during your lifetime the interview will also involve locking at some maps and streat view images of the places you have lived to better under stand the geographical context for cycling. We will akk water berniesion to aurilie record the interview to

the details at the end of this document. We will contact you within 7 days of receiving your life

understand the geographical context for cycling. We will ask your pernission to audio record the interview to helm with our canaduce and also user permission because Will ask your permission to audio report the interview to help with our enalysis and also your permission to return at a later date to film a documentary video targeted at historial constructions in the permission of the permiss at a later date to tilm a documentary video targeted at illustrating our findings. If you no longer cycle you will not be required to take part in task B.

head mounted electroencephalography (EEG) \$ to measure the electrical activity in the brain and destroence destroence destroence to measure the electrical activity in the brain an electromyography (EMG) to measure electrical moduled by the research in the second s electromyography (EMG) to measure electrical produced by the muscles in your face you will parked to user our tradition along to a second broduced by the muscles in your race- "rou will asked to wear eye-tracking glasses to record i entitiety the drulene are rate, fit comfortably a asked to wear eve-tracking glasses to record 1 activity. The devices are safe, fit comfortably i activity. The devices are safe, fit comfortably hydrenic. A video recorder will be mounted o Nygrenic, et viceo record your facial expre bloyde handlebar to record your facial expre blor val also tond set to record and tond to the unyour nanunasi w rewru you navia espat this will also track your speed and your loca core provident concern will she for she out this will also track your spear and your love GPS Proximity sensors will also be placed o bry Hrownity sensors will also be placed bloyde the researcher will follow you as y ble and they will be fitted with a video ca bine and they will be treed with a word of your ride. The researcher's role is not to in your nue, me researcher s noers nor o n nde but to capture your experience as if

TASK B: CYCLING MOBILITY

OBSERVATION-INTERVIEWS

If you currently cycle we will arrange a separate occ

In you currently cycle we will arrange a separate oc to observe you taking part in a routine journey or a how only the neutral how a way to be reasoned and to observe you taking part in a routine journey or 4 by cycle. This could be a regular journey you make the abuve for example, and experiment each activity.

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one shops, for example, or a recreational activity for you regularly take part in We will ask you to wear head more read abstrace and advances of the second

youregularly take part in . We will ask you to weat head mounted electroencephalography (EEG) is to measure the doctrical perturbation of the second

about your usual business. The devices v about your usual business. The devices capture rich data on your route, speed, expression REG and EMG, eventioner to reason motor induster, promotion to passing motor vahicles. From this w map your physical and emotional reac map your physical and environments. After this ride the researcher will coll-

and arrange to interview you within and arrange to interview you will be activity. At the interview you will be activity. At the filler view you will be video footage of your ride on a lap viceo workage or your rule on a lap researcher. The researcher will ther about the decisions you made at a the ride and your emotional state the ride and your enroused again, i up to one hour and, once again, i



www.cycleboom.org Research Grant No. EP/K037242/1

Research Grant 140 EP/K037242/1 ten years after it is finished. After this time it will be destroyed, it is also a condition of our research funding destroyed, it is also a condition of our research turnaling that the data we collect must be shared and stored in a manual research the wall measurement and the manual or an and the share of the store that the data we collect must be shared and stored in a national repository. We will anonymise our data and place it in the UK Data Archive. What will happen to the results of the research

une us on P BOBBOOK www.facebook.com/cydeboom BReading Battin

N is completely up to you to decide whether or not to to the party of the sector decide whether or not to the sector decide whether the sector decid It is comparisely up to you to decide whether or hot to ble part in the study it you decide to take part then you will need only and refur the enclosed conservation to be compared as the enclosed conservation to be an enclosed as the enclosed conservation the enclosed conservation to be an enclosed as the enclosed conservation to be an enclosed to the enclosed conservation to be an enclosed conservation to be an enclosed to the enclosed conservation to be an enclosed to the enclosed conservation to be an enclosed to the enclosed conservation WE need to sign and return the enclosed concert form to the project manager at the contact address overlast and an enclosed in an enclosed address overlast BROOKES

to the project manager at the contact east est overea You are free to withdraw from the study at any time What will happen to me if I take part? without giving a reason. This part of the cycle BOOM study involves two tasks This part of the cycle BOOM study involves two raise (Task: A.B.S), it you no longer cycle you will only be asked to take part in task: A you currently cycle you will be asked to take part in task: A and B

orde BOOM is a study to understand cyclare amongst

the older population in the UC and how this afforts independence, health and welfbeing. The arm is to advise policy molece and many reasons are a set of the arm is to advise

bolicy makers and practitioners how our environment and technologies can be designed to help people to contrate to cycle in older age or to reconnect with cycling. The will be done through its toolart of advice and outpress supported here should have exceeded to a should be address to be a should have exceeded to a should be address to be a should be a should be address outpress to be address to be a should be a should be address to be address to be address to be a should be address to be address to

ordinal this we be once mough a sport documentary time

The cycle BOOM study is a 5-year project that started in October 2015 and that is funded under the UK Research

October 2015 and that is funded under the UK Research Councils Unions Health and Wellbeins programme on budy to being lied by Oxford Brockes University of the Subsy to being the University of Residing, University the West of Endered Residing and Candit University

bernarship with the University of Reading, University the West of England (Britsci) and Cardiff University

Olde BOOM is working with people aged over 50

Cycle BCOM is working with people aged over 50 with different levels of cycling elemence lying in the Oxford, Reading, Bristol and cardiit areas, Numeric been selected to take part based on the background information you provided us with in the emerican a sym-

Information you provided us with in the screening survey attogether we are inviting around 240 people living in the tour study arear to take part. These are people with a which to industrience of cycling and will include people which longes cycle and those who have more recent

Values of experiences of cycling and we would be population of the second experience of experiences of experien

Why have I been invited to participate?

experience of cyding

NORPANSINON, NORTH and WRITERIA THE arm is to advit Dolloy makeds and precisioner show our environment and technologue can be descended to be an environment

order boom is a study to understand order a among the older book asson in the UC and how this affects internet anne how and understand measure in a sec

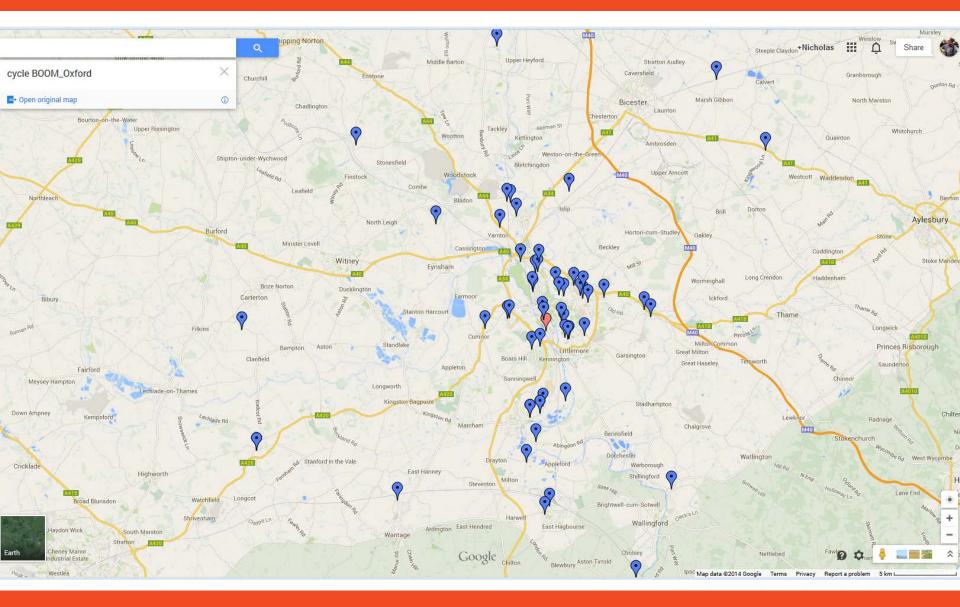
12 March 2014

the attached consent form and return it to the project manager using the contact details below. We will then contact you within 14 days of receiving it to confirm your participation and to confirm survey arrangements. Oxford Brooke

72

Oxford - Registered Interest





12 March 2014

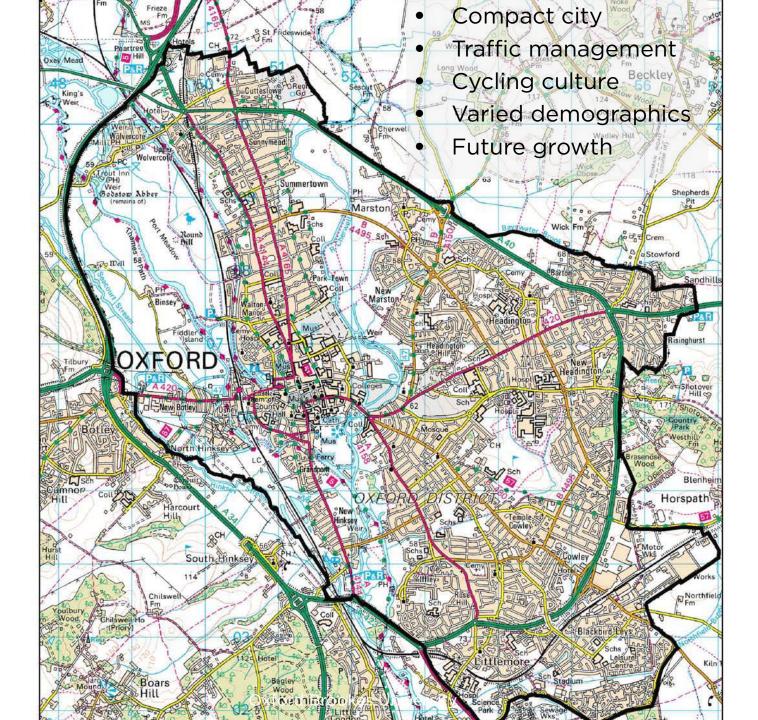
Oxford Brookes University

Oxford – Registered Interest



METHOD		OXFORD	l'll let you decide
Cycling life history interview [n=120]	M: 50-59: 3 M: 60-69: 8 M: 70+: 4	M: 50-59: (M: 60-69: 1 M: 70+: (5 O
	F: 50-59: 1 F: 60-69: 5 F: 70+: 4	F: 50-59: 0 F: 60-69: 2 F: 70+: 0	2 2 3
	Ļ	1	
Cycling mobility observation- interview [n=50]	M: 50-59: 3 M: 60-69: 8 M: 70+: 2		
	F: 50-59: 0 F: 60-69: 5 F: 70+: 1	Ļ	
			e-Bike only
Cycling and wellbeing trial [n=40 + 10 control] Pedal cycle		M: 50-59: (M: 60-69: 1 M: 70+: (8 3
Electric cycle		F: 50-59: 0 F: 60-69: 2 F: 70+: 0	





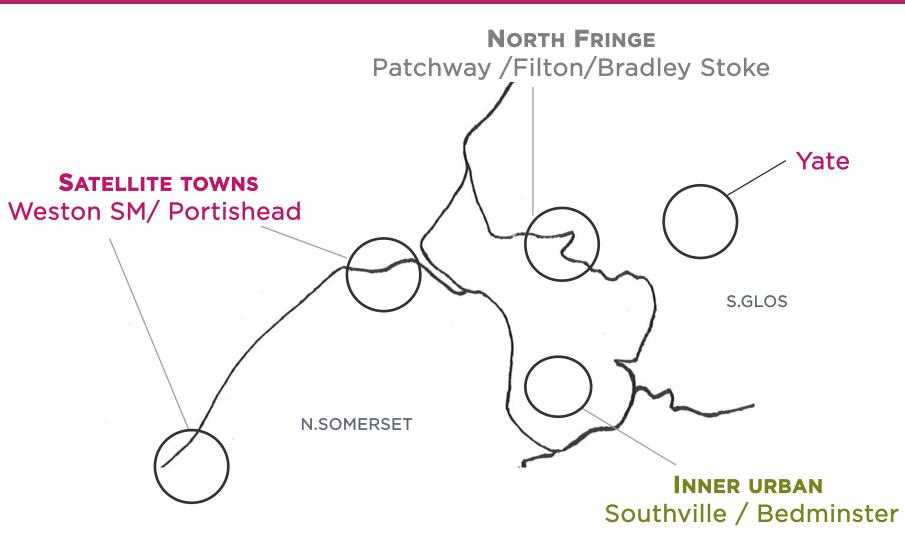






West of England (WoE)/ Greater Bristol

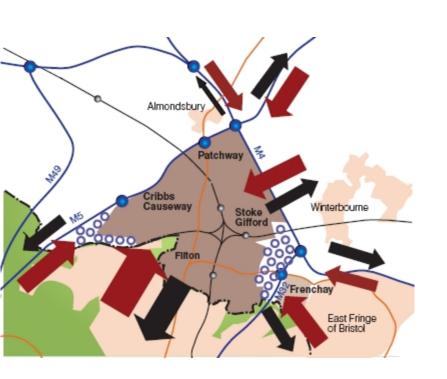




North Fringe



Filton, Patchway, Bradley Stoke



- contiguous with Bristol
- bounded by M4/M5
- population ~ 50,000
- Major employment
 - Significant commuter movements
 - North Bristol SusCom
 - LSTF smarter choices promotion and key routes
- Cycling City Legacy
 - Concorde way
- Some hills

North Fringe





Patchway/ Filton 1930-1960s Priority neighbourhoods

Bradley Stoke 1980s/1990s



Southville/ Bedminster



- South of city centre, bounded by river to north
- Gentrified/deprived
- Hilly
- R+NCN 33 + 4
- Cycling city legacy
 - Malago greenway
- 20 mph zone
- LSTF: river crossings
- Traditional high street



Bedminster & Southville





late c19th & early c20th High density terraced/ semidetached/ flats

Interspersed with former and current industry



Weston Super Mare

Portishead



- Circa 75,000
- 18 miles from Bristol
- older age profile and ageing.
- 1% most deprived
- C19th seaside resort/ late C20th + C21st growth
 - Enterprise area
- Reasonably flat
- LSTF: limited cycling measures
- NCN 33 + 26

- 22,000
- 8 miles from Bristol
- dormitory town
- recent growth and ageing
- retirement developments
- More affluent
- LSTF: enhanced routes
- NCN 41 + 26

Weston Super Mare





1950s/60s/70s housing medium density



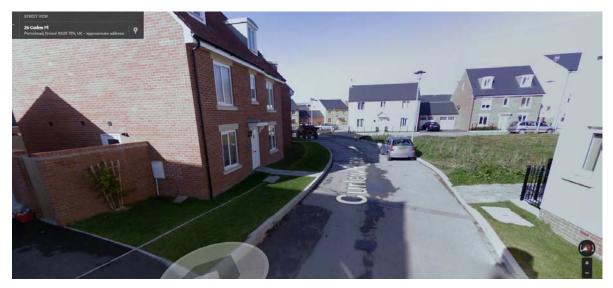
C21st 'urban villages' / extensions

Portishead





medium density, 1970s/80s and c21st housing estates





Reading: 4 locations

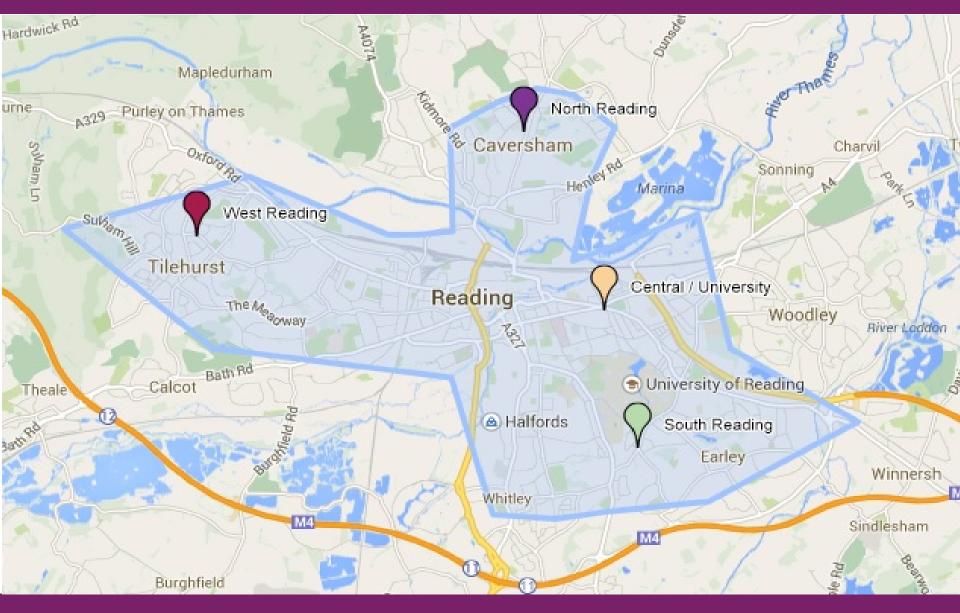




- Caversham North Reading
- Tilehurst West Reading
- Town / University Central Reading
- Earley / Lower Earley South Reading

Reading Case Study

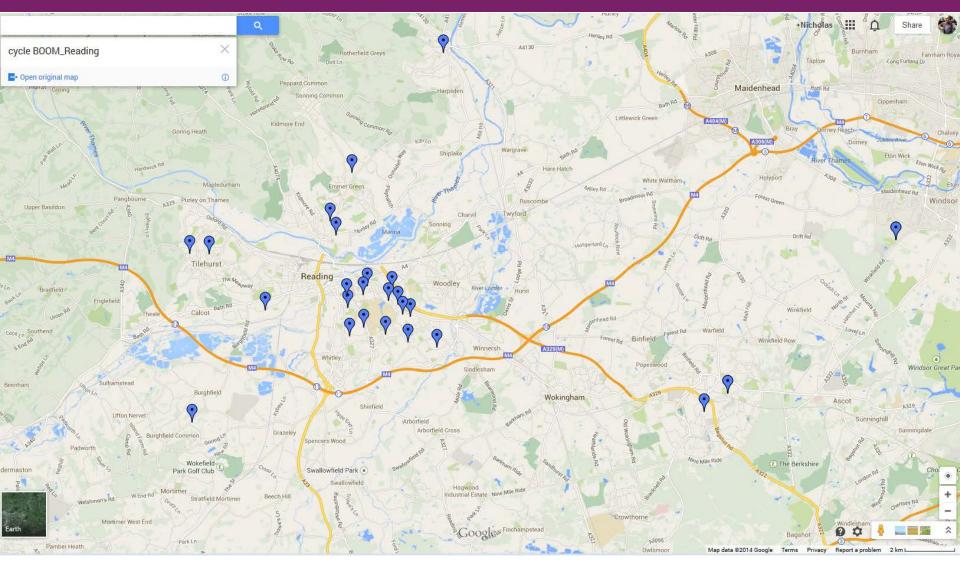
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Reading: Recruitment

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University of Reading





- 1. Do you have any comments on the overall approach to recruitment?
- 2. Do you have any comments on the places we are targeting within the four case study areas?
- 3. Do you have any ideas on generating impact for the study?



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DESIGN FOR LIFELONG HEALTH & WELLBEING

First Stakeholder Advisory Group Meeting

12 March 2014











