

Community Mapping and Citizen Engagement

Prof Muki Haklay UCL Extreme Citizen Science group Department of Civil, Environmental and Geomatic Engineering





Outline

- Delivering mapping communicating crime statistics
- Participatory mapping and data collection
- Participatory mapping in CPC





CamStats

- Develop as part of a data sharing partnership between Camden Council, Police and NHS (project involving Dave Ashbey and Kate Jones) in 2003
- The needs and requirement were developed through consultation with representatives of the Camden community





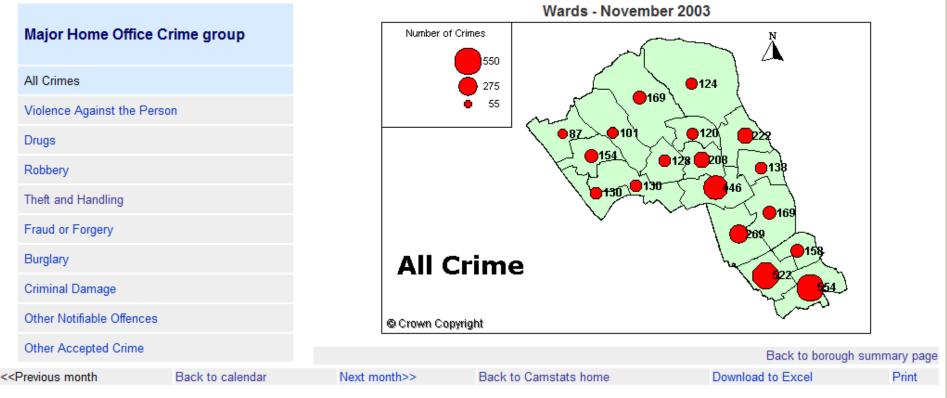
Camden Borough - All Crimes by Wards for November 2003

PHelp and Frequently Asked Questions

This map summarises the Home Office crime category "All Crimes" by Wards for November 2003. The symbols on the map are relative in size to the number of incidents. Click on a Ward on the map for a breakdown of crime in that area.

Hover over the map, to see Ward name.

Click on a Home Office major crime group category for a map in this category.



Last Update: 1 Mar 2004

CamStats was commisioned by Camden police and was developed by UCL Consultants

Camden Borough Crime Statistics for the Ward "Hampstead Town", December 2003

Help and Frequently Asked Questions

Home Office Major Crime	Home Office Minor Crime	Total	Number of Crimes per Major Crime Group in Hampstead Town
	Burglary in a Dwelling	8	υ _υ 80
Burglary	Burglary in Other Buildings	8	8 80 6 5 60
	Total	16	ै । ४ 40
Criminal Damage	Criminal Damage To a Dwelling	1	월 40
	Criminal Damage To Other Bldg	2	
	Criminal Damage To M/V	10	
	Other Criminal Damage	0	Burglard as Damage Drugs or Forgers ad the milling against the
	Total	13	0 16 13 6 6 5
Drugs	Drug Trafficking	0	CHINE FRANK MARK A HERE PERS
	Possession Of Drugs	4	
	Other Drug Offences	0	Back to borough summary p
	Total	4	Each to boloagh barning p
Fraud or Forgery	Counted per Victim	6	
	Other Fraud & Forgery	0	
	Total	6	
Robbery	Personal Property	6	
	Business Property	0	
	Total	6	
	Theft/Taking of M/V	6	
Theft and Handling	Theft From M/V	29	
	M/V Interference & Tampering	0	
	Theft From Shops	8	
	Snatches	2	
	Picking Pockets, etc	3	
	Theft/Taking of Pedal Cycles	0	

Camden Borough - Theft and Handling by Neighbourhood Renewal areas for December 2003

Help and Frequently Asked Questions

This map summarises the Home Office crime category "Theft and Handling" by Neighbourhood Renewal areas for December 2003. The symbols on the map are relative in size to the number of incidents.

Click on a Neighbourhood Renewal area on the map for a breakdown of crime in that area. Hover over the map, to see Neighbourhood Renewal area name. Click on a Home Office major crime group category for a map in this category.

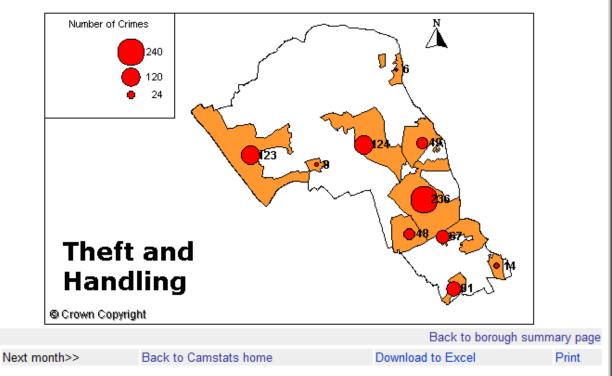
Major Home Office Crime group

<<Previous month

All Crimes	
Violence Against the Person	
Drugs	
Robbery	
Theft and Handling	
Fraud or Forgery	
Burglary	
Criminal Damage	
Other Notifiable Offences	
Other Accepted Crime	

Back to calendar

Neighbourhood Renewal areas - December 2003



Last Update: 23 Feb 2004

CamStats was commisioned by Camden police and was developed by UCL Consultants

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London 21 sustainability network

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You can search the London Green Map by typing in a postcode, or by clicking on a borough on the map.

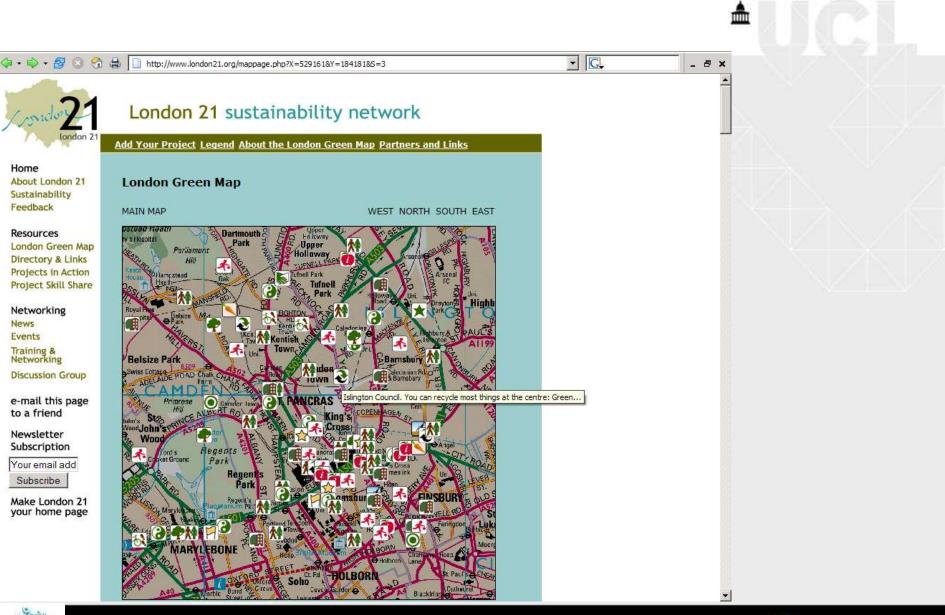
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London Green Map 2003











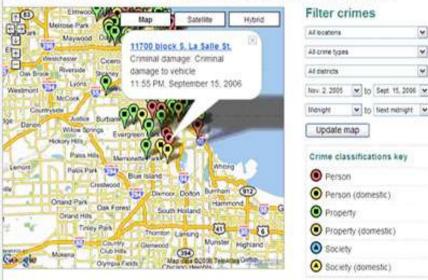
Web mapping 2.0

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Browse by: Crime type - Street - Date - Police district - ZIP code - Ward - Location - Route - City map

Crime map

fore than 100 crimes were found -- only the latest 100 are displayed. Narrow the list using the choices below



Important disclaimer: This site is not affiliated with the Chicago Police Department. This site uses crime data obtained from the CPD's Crizen ICAM Web site, which is a publicity available database of reported crime. Please read the Crizen ICAM disclaimer to understand the data fully

About this site - BSS - Developer services - Search - Fress - Donate - Powered by Duango

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Ú. Date (U.S.)

ChicagoCrime.org - one of the first Google Maps Mashups.

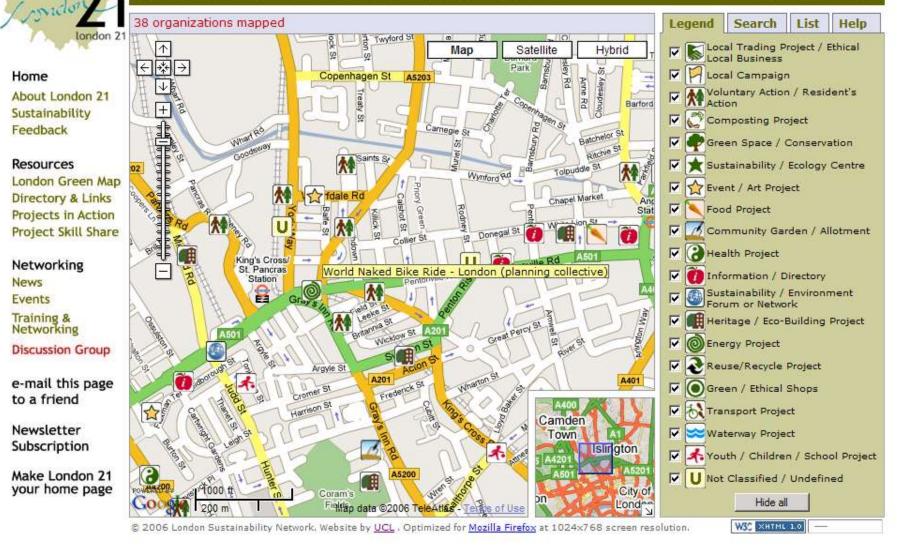
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Form of civic intervention in the use of geographic information held by the authorities



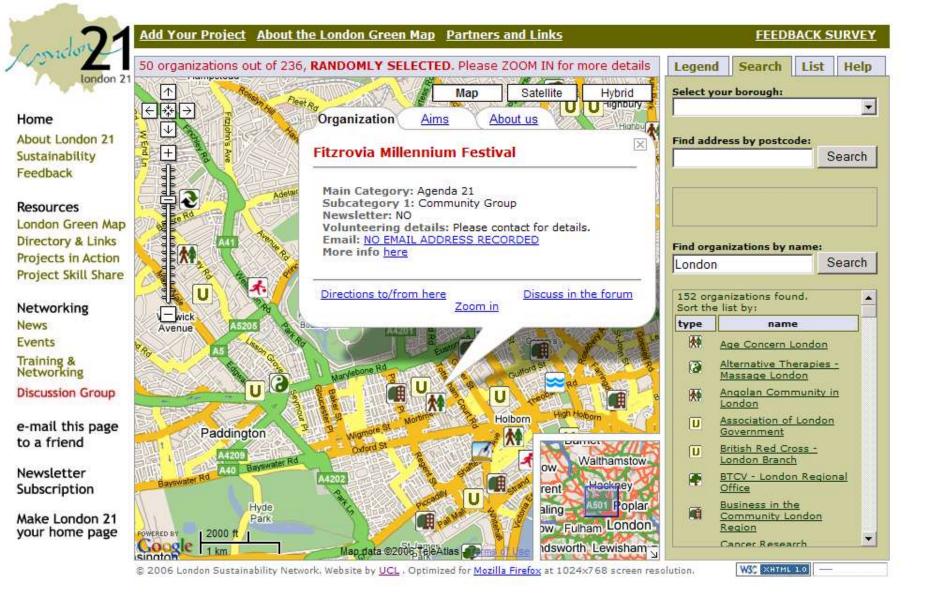


FEEDBACK SURVEY



Paolo Isoardi, 2006, Creation of London 21 Green Map using Google Maps API

Internet



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100% +





Rapid Appraisal Method

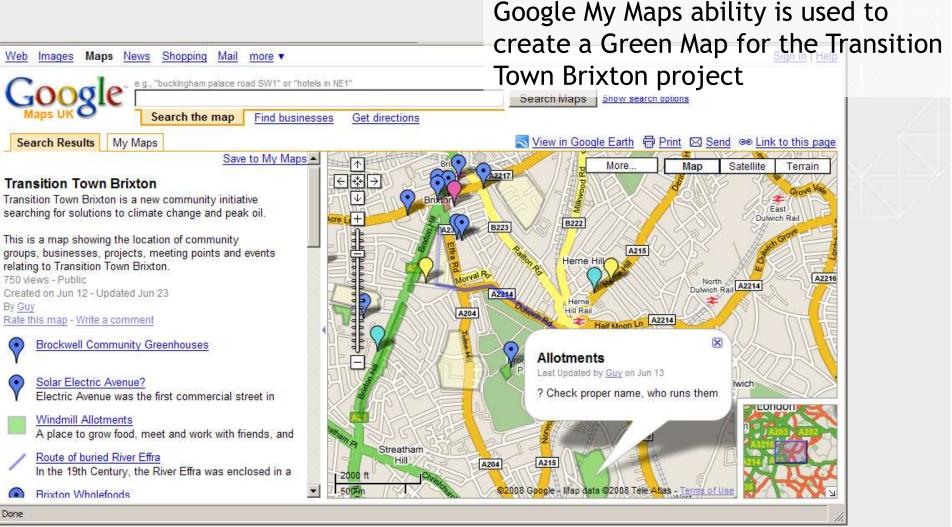
- In-situ, multi-temporal
- Good for accessing 'hard-to-reach' groups
- Allows rapid scoping of local knowledge, concerns and possible solutions
- Less control and discussion than focus group



THE UNIVERSITY of York

Steve Cinderby

Bottom Up Participatory GIS









Community Mapping

BRIXTON

The Map

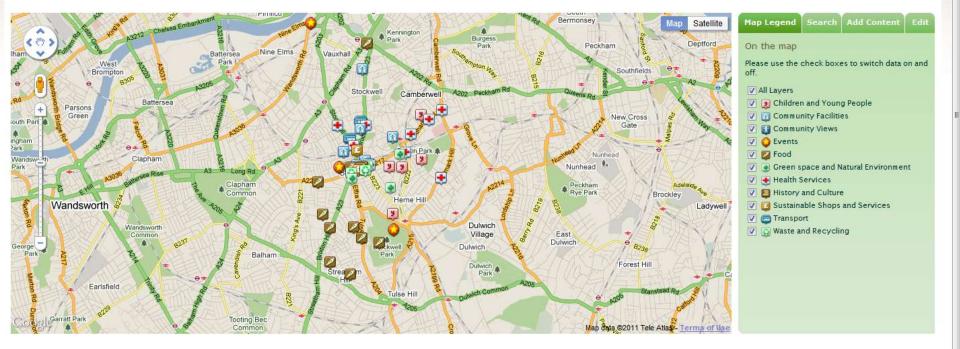
About This Map

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Mapping for Change Community Maps

Brixton - Community Map

A repository of local community resources, facilities and activities



About This Map

Ellul, C., Haklay, M. Francis, L. And Rahemtulla, H., 2009, *A Mechanism to Create Community Maps for Non-Technical users*, The International Conference on Advanced Geographic Information Systems & Web Services – GEOWS 2009



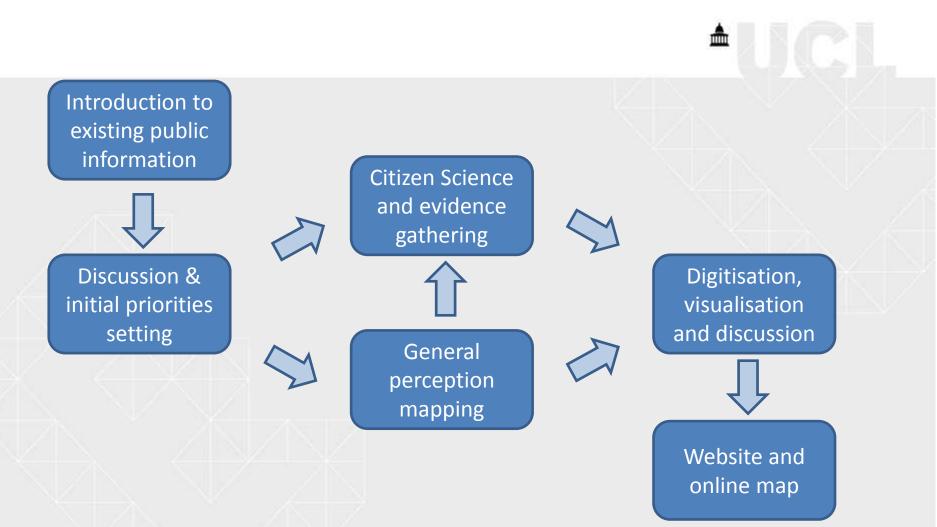


Mapping for Change

- A social enterprise owned by University College London and the charity London 21 Sustainability network
- Promoting and supporting community-based initiatives towards building more sustainable communities through the use of maps and geographic information
- Specialising in participatory mapping & GIS application and connecting online and off line community engagement
- Supporting geographical analysis in the third sector



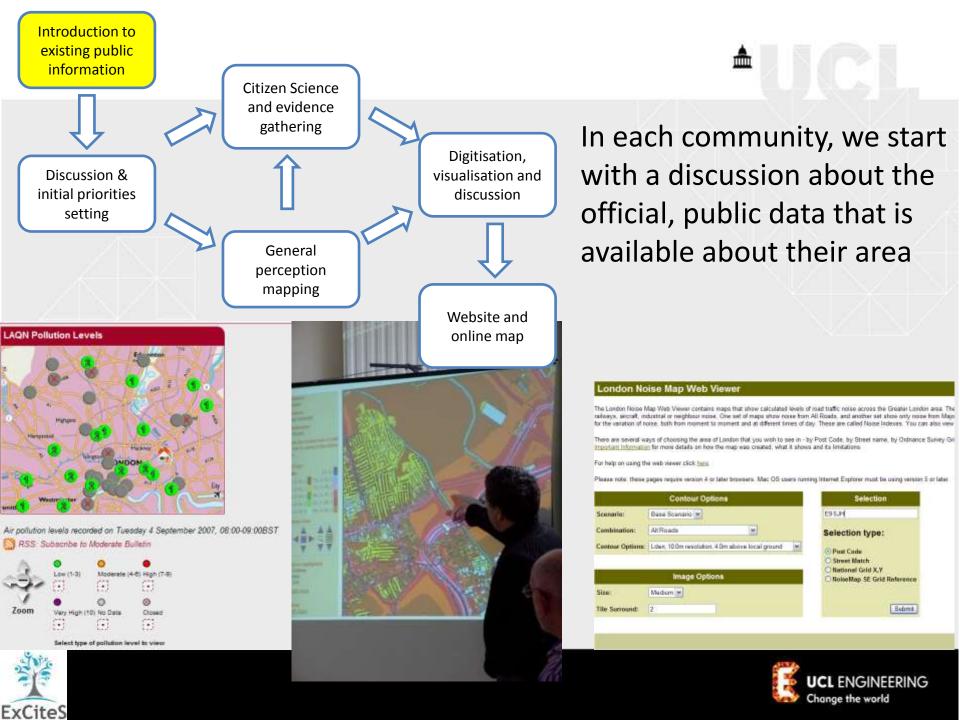


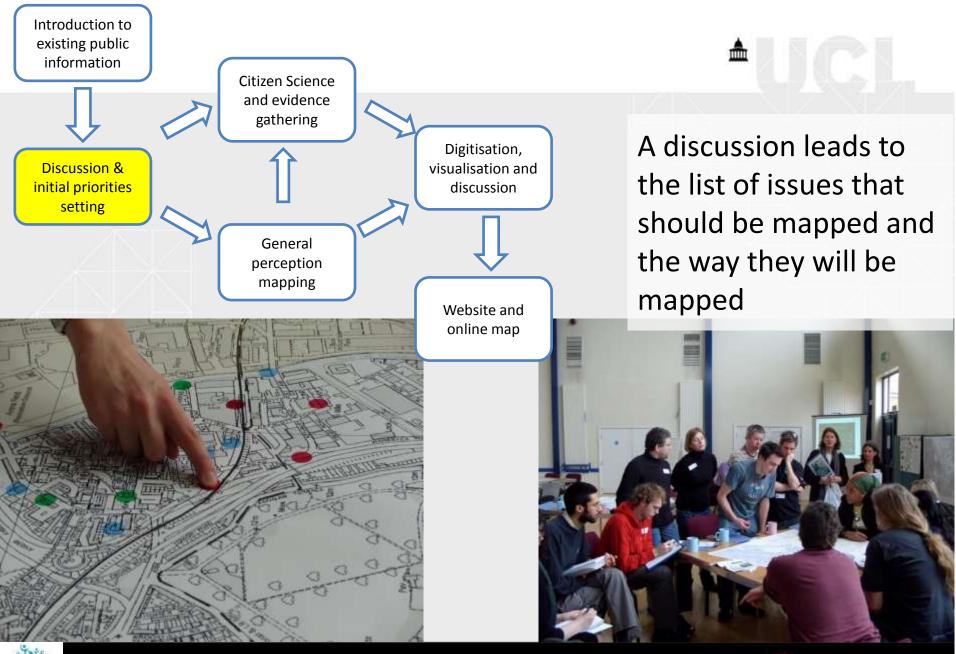


At each stage in the process various mapping methods are used ranging from paper based exercises using large OS maps, web-based maps such as Google, our own Community Map website and also GIS packages.



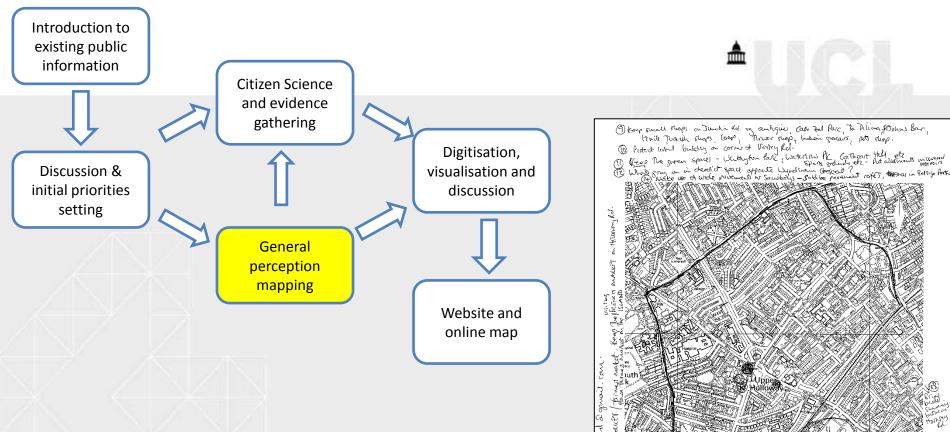










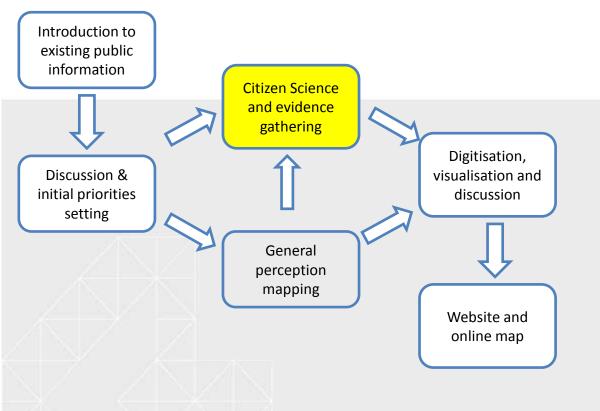


Perception mapping focuses on questions such as: what aspects of your community you like or dislike? What problems do you want to solve?







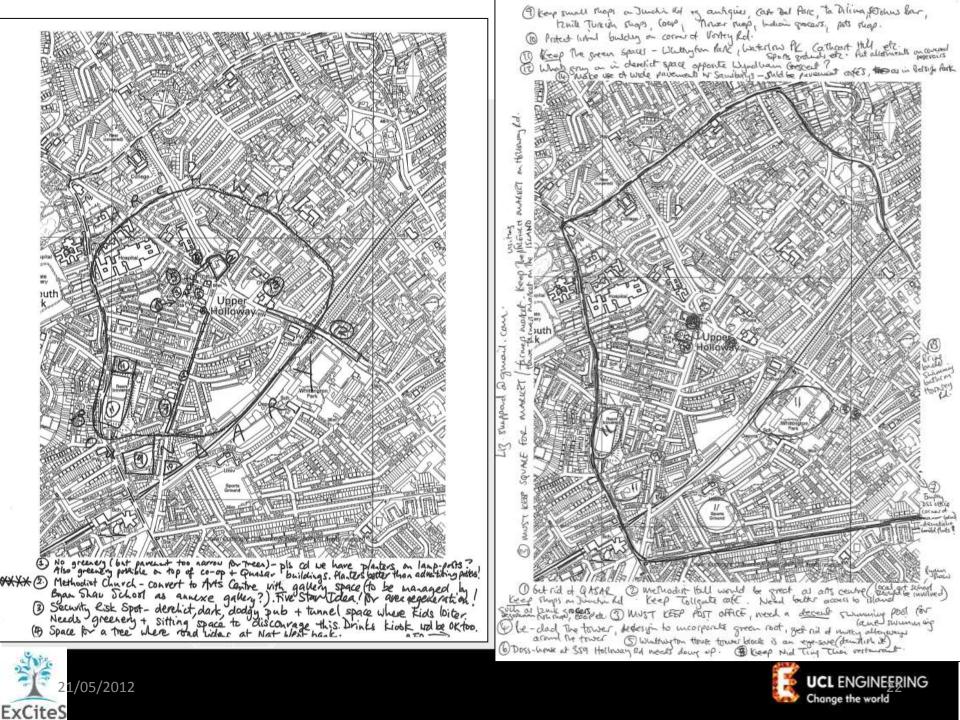


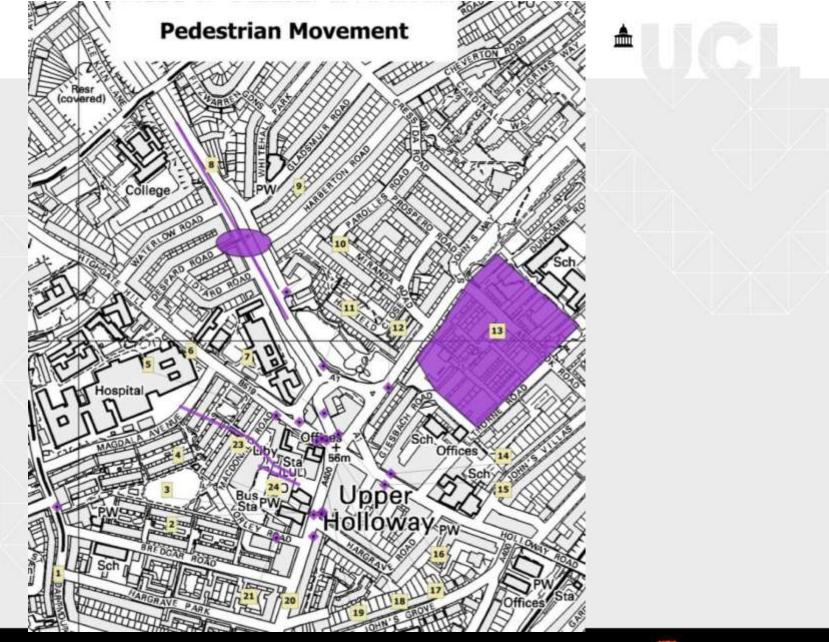
In some cases, perception mapping leads to focused evidence gathering, in other cases this is done directly after the discussion





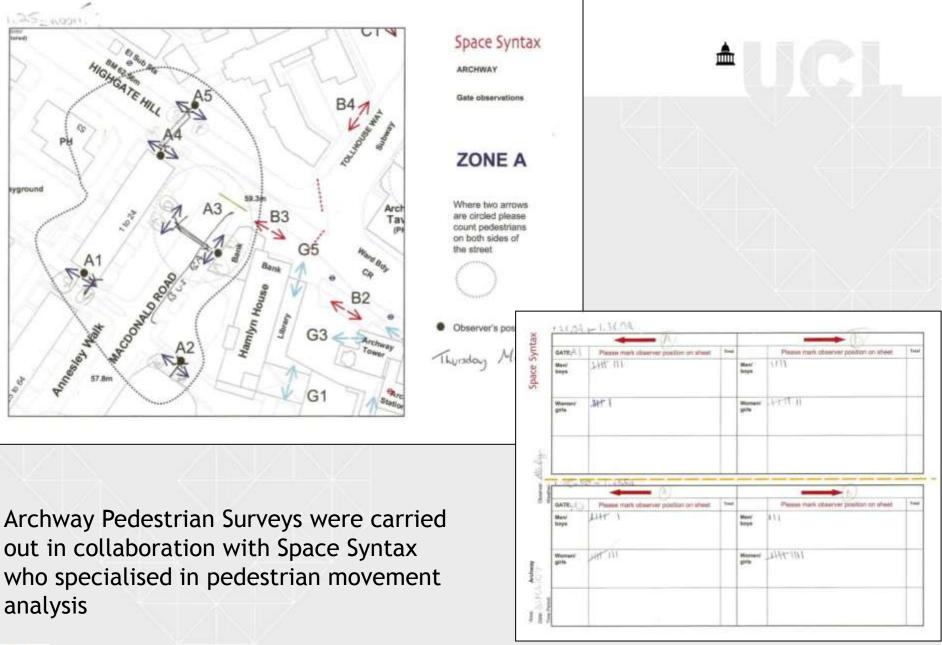






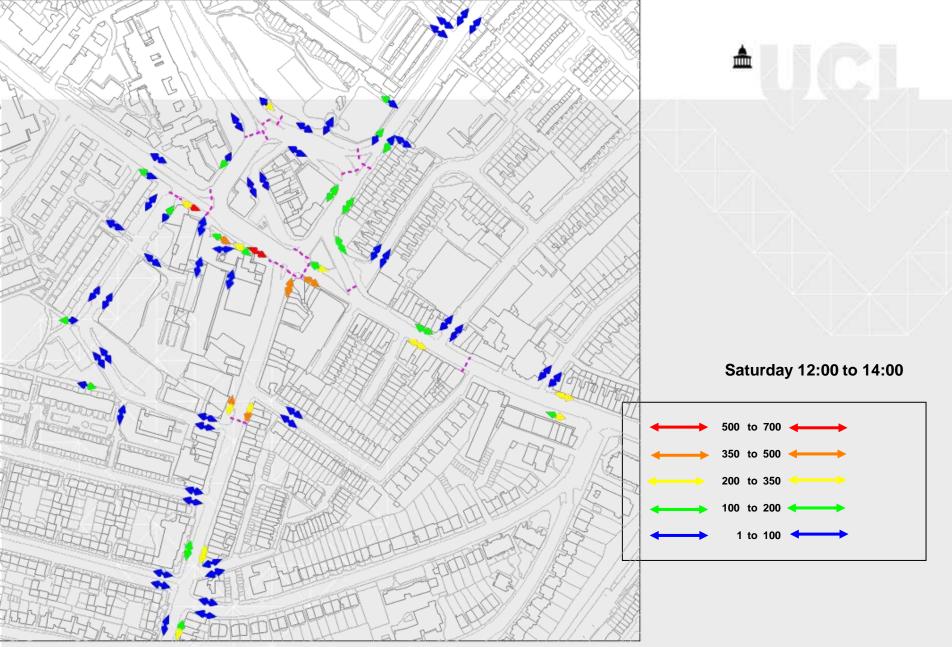






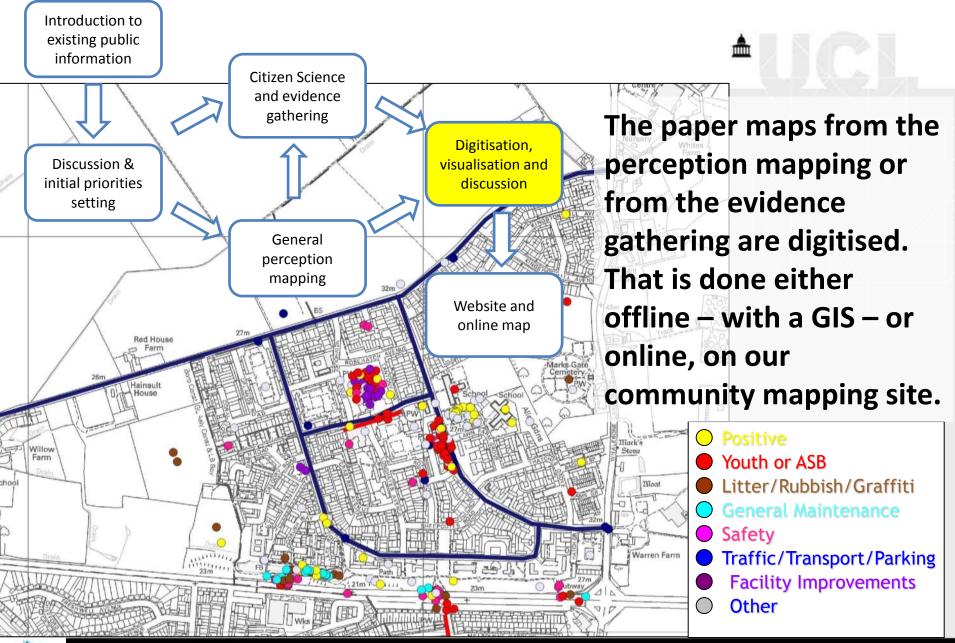






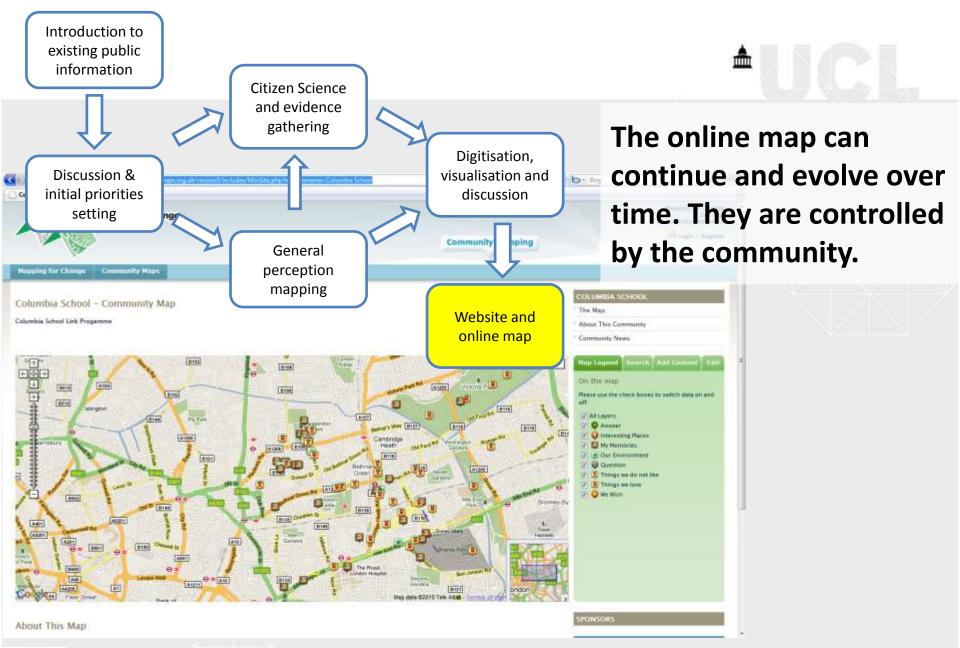
















Active CiTizenship and Social Housing



The aim of this project is to explore which kind of informal learning contribution, in the context of social housing, could help to reinforce "social cohesion, active citizenship, intercultural dialogue, gender equality and personal fulfilment.







Thamesmead mapping

Thamesmead first began to take shape in the early 1960s when the-then London County Council (LCC) first published its plans to build 25,000 homes on Erith & Plumstead marshes.



Mainly social housing developments built from the late 1960s onwards mostly on former marshland on the southern banks of the River Thames between the more established towns of Woolwich and Belvedere. Originally planned to have 60,000-100,000 residents, it is now estimated to be on target for a final population of around 50,000 people







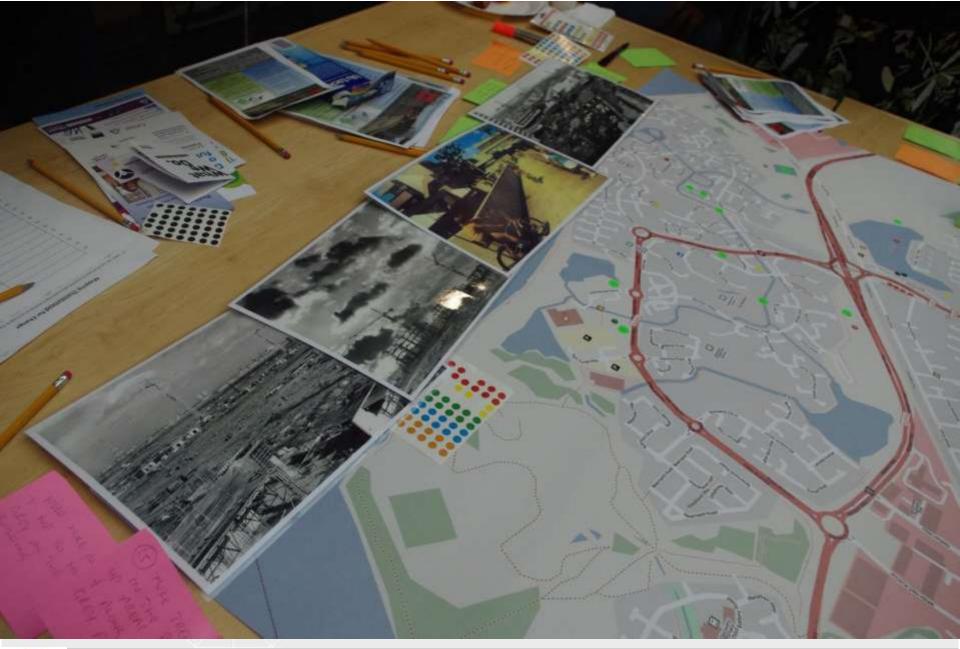












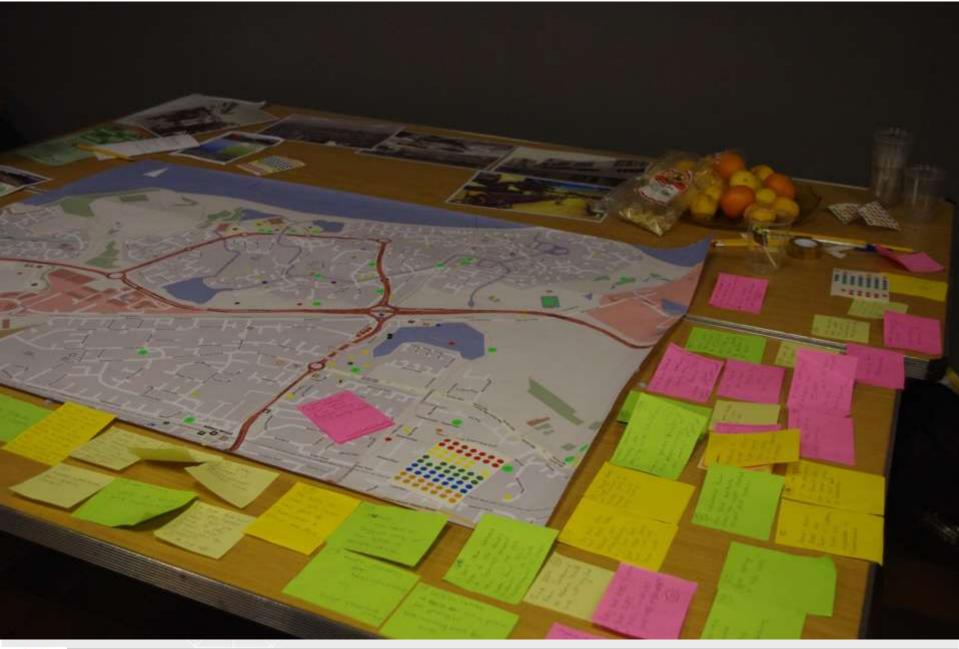


















THAMESMEAD

Thamesmead - Community Map

This interactive map can help you find out about the Thamesmead Community from those that live and work in the area. The map has a range of icons: each one of these represents an organisation, community project a local service provider or generally About This Map useful information. You can add new entries or search for other activity

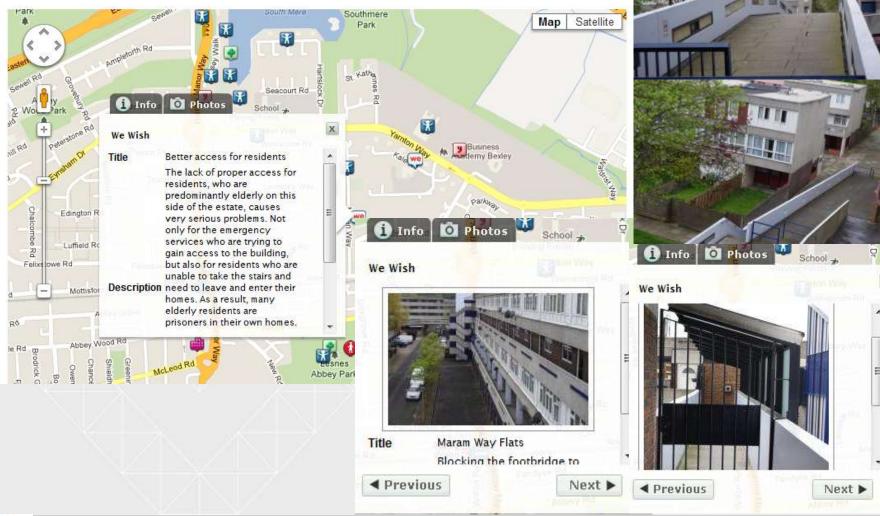
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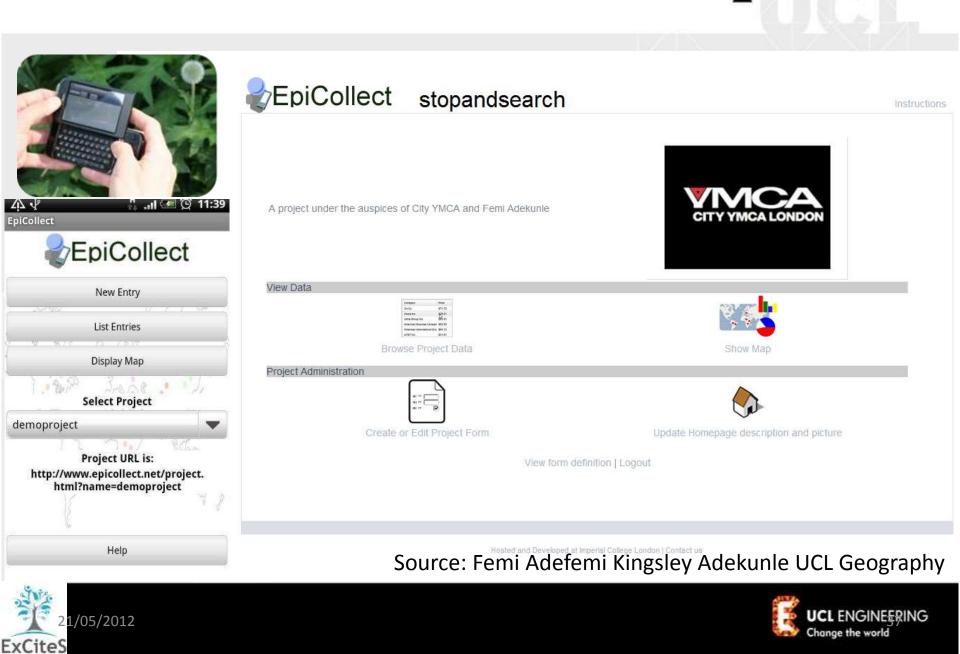




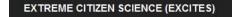


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Extreme Citizen Science (ExCiteS)

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Extreme Citizen Science: ExCiteS

UCL's interdisciplinary research group on Extreme Citizen Science



Intelligent Maps



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contribute to the guiding a Citizen Science project rdisciplinary research any user, regardless of their

provides a useful coming decades: how to n technologies are ented scale, and where



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Credits

Support for the research kindly provided by: UCL Graduate School Research Fund, ESRC 'Conserving Biodiversity That Matters: The Value of Brownfield Sites' project Wandsworth council (pathfinder for e-government scheme) **RGS/IBG Small Research Grant** UrbanBuzz: Building Sustainable Communities (HEFCE) London Sustainability Exchange (LSx) London 21 Sustainability Network EPSRC Challenging Engineering Award 'Extreme Citizen Science' **EPSRC** Adaptable Suburbs project EU FP7 EveryAware project **Google Research Awards** Amazon Web Services Education Grants

Special thanks to the participants and the communities that work with us

And our partners: Royal Geographical Society, ESRI, Helveta and U-Blox



