

Crime, Safety and Design

Professor Lorraine Gamman

CHEAD Annual Conference Cardiff, March 2007

Design Against Crime Research Centre



Arts & Humanities
Research Council

The Grippa research programme, mainly funded by AHRC, is a collaboration between the Design Against Crime Research Centre, Central Saint Martins College of Art & Design, University of the Arts London, and the UCL Jill Dando Institute of Security and Crime Science. Papers and other materials from the programme are at www.grippaclip.com and wider practical and research material on preventing bag theft at www.inthebag.org.uk



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1. To reduce the incidence and adverse consequences of crime through design of products, services, communications and environments that are 'fit for the purpose' and contextually appropriate in all other respects;
 2. To equip design practitioners with the cognitive and practical tools and resources to design out crime; and
 3. To prove and promote the social and commercial benefits of designing out crime to manufacturing and service industries, as well as to local and national government, and society at large.



We bring designers, researchers, criminologists, the police and other stakeholders together to design out opportunities for crime.



Safe: Design takes on Risk Museum of Modern Art, New York, 2006



Index Awards 2006
Copenhagen, Denmark
October - September 2005

**Silver Winner - British Female
Inventor and Innovator Awards;
Education and Learning Institution
2006**

Sir Misha Black Award 2006
Innovation in Design Education

Our aim is to empower people.
Crime is about opportunity,
objects and environment not just
about perpetrators.

Situational Crime Prevention (SCP) considers “opportunities” to be the “root causes” of crime.

Design out criminal opportunities and you can design out crime.

Felson & Clarke “Opportunity Theory”, 1998, Rutgers University, New Jersey

The philosophy behind the initiative is linked to a practise-led design research agenda and the simple idea that **secure design does not have to look criminal** or ugly. It suggests that beautiful design can also address **“abusers” and “mis users”** as well as **“users”**, and that even security can have humor.

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CHEAD - DAC Research Centre, March 2007

The Design Against Crime
tone-of-voice is never paranoid,
domineering or authoritarian, but
instead **personal, humane and
friendly.**

The main theme of our work is linked to **‘empowerment’** and **‘protection’** against crime. Current focus is on bag and bike theft.

Grippa 2 Research Project, 2006-9
£366,060 Arts and Humanities
Research Council (AHRC) award to
DAC.

BikeOff 2, 2006-08
AHRC/EPSRC, £323,918
Catalysing anti-theft bike, bike
parking and information design for
21st century

1. About Bag Theft

**Every minute
in the UK another person
becomes a victim of bag theft.**

Source: Home Office - British Crime Survey 2003/04. Table 2.01 in HO Stats Bulletin 10/04. Calculations worked out by DAC staff as incidents estimated 2003/04, comprising both snatch and stealth thefts yields one in every 0.85 minutes on average.

Design Against Crime aims to help design out bag theft and put anti-crime design into the public spotlight and to give it an engaging and appealing edge.



Design Against Crime

'In the Bag' Research CD ROM



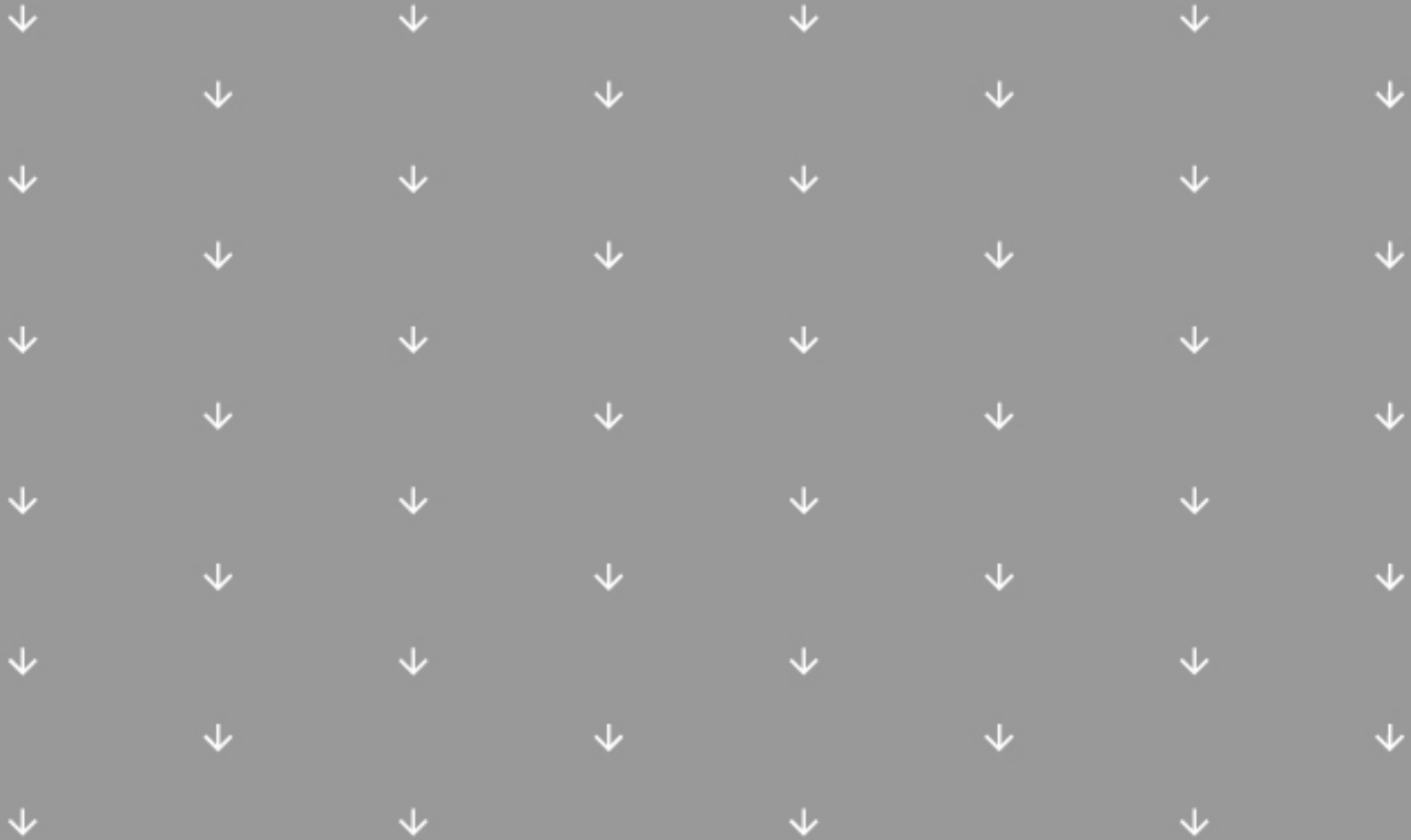
The acronym **CRAVED** has been used to describe the characteristics of items most likely to be stolen - 'hot products'.

Concealable
Removable
Available
Valuable
Enjoyable
Desposable

Bag theft - 'hot products'



Perpetrator Techniques:



Dip: Removal of articles from a bag without the owner's awareness.



Lift Removal of bag and contents without owner's awareness.



Slash: Removal of articles from a bag, without the owner's awareness by cutting the fabric.



Grab: Removal of bag and contents by grabbing it away from the owner's grasp.



Theory into practice: Personal Products.

MA Industrial Design, CSM



Karrysafe - Anti theft bags and accessories. Commissioned and researched by DAC, designed and produced by Vexed Generation.



Karrysafe was funded by the **Design Council/ UAL**. The results were a series of smartly designed crime-resistant bags.

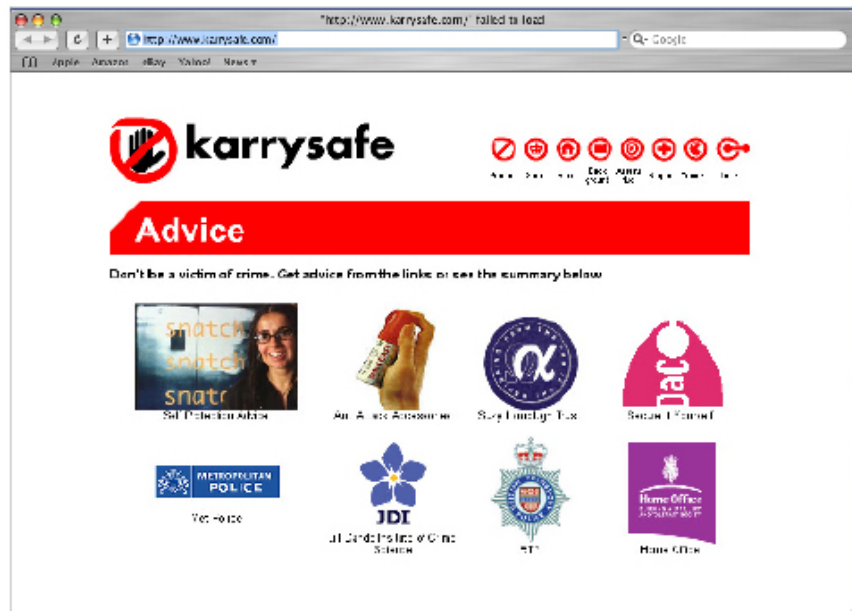




Locking features allow the user to attach the bag to chairs, tables, posts etc.



Karrysafe advice website: www.karrysafe.com



DAC could design a similar national www.designagainstbagtheft.org site with best practice information for people to protect themselves, and for customers to feedback about designs they use as well as get safety advice . . .

Theory into practice:

Products for public space.

Stop-thief anti-theft chairs.



Customization and user testing of market leading public furniture



Grippa Research Project 1.

Grippa furniture, All Bar One (ABO), London, 2005



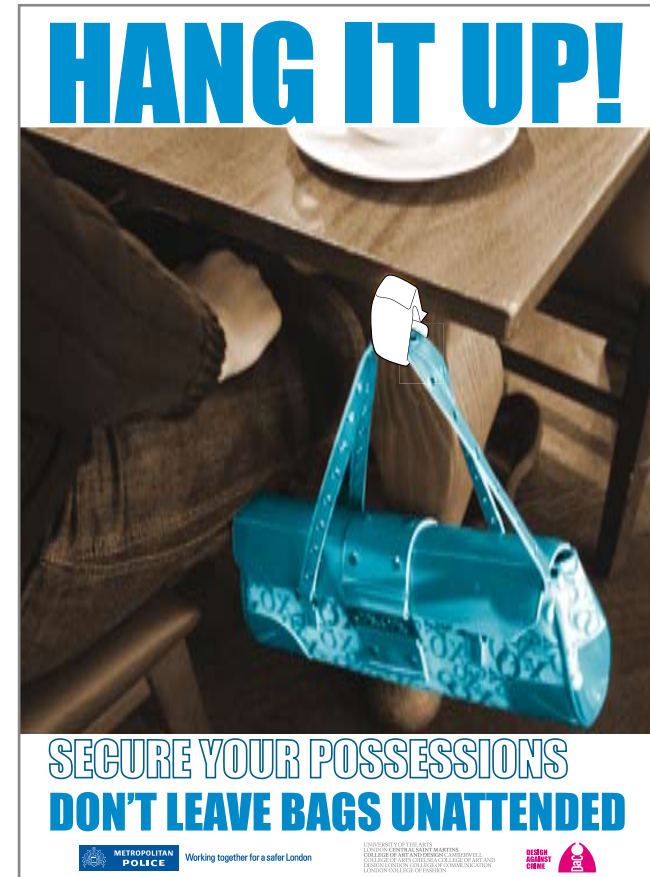
Grippa Clips (ABO)

Selected sites only,
London, 2005



Grippa Communication (AB0)

London, 2005



Shoe Store Bag Storage: Anti-Lift

STORAGE TYPE

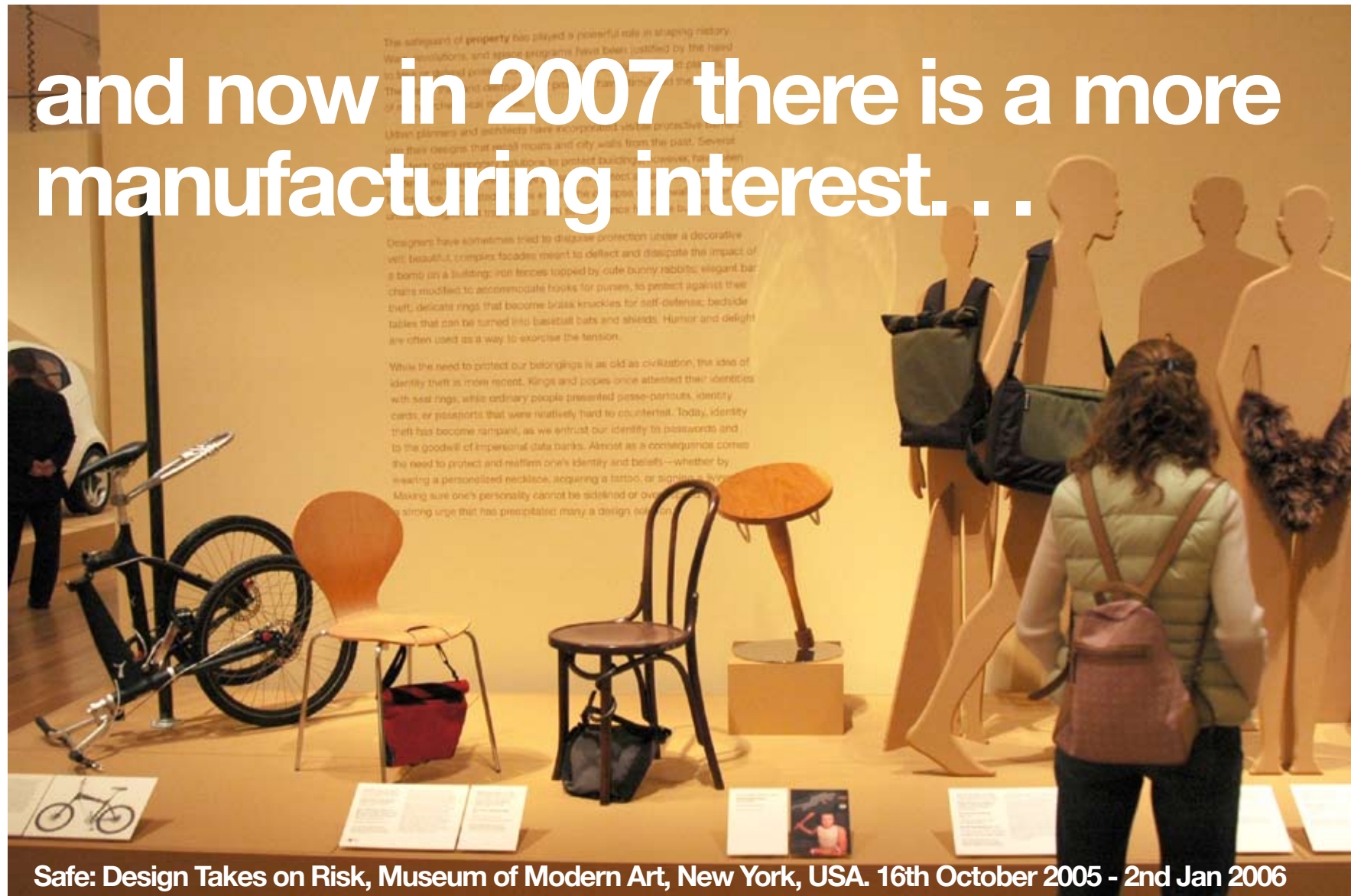


STORAGE TYPE



**Before we took DAC to Moma
2005 little manufacturing interest...**

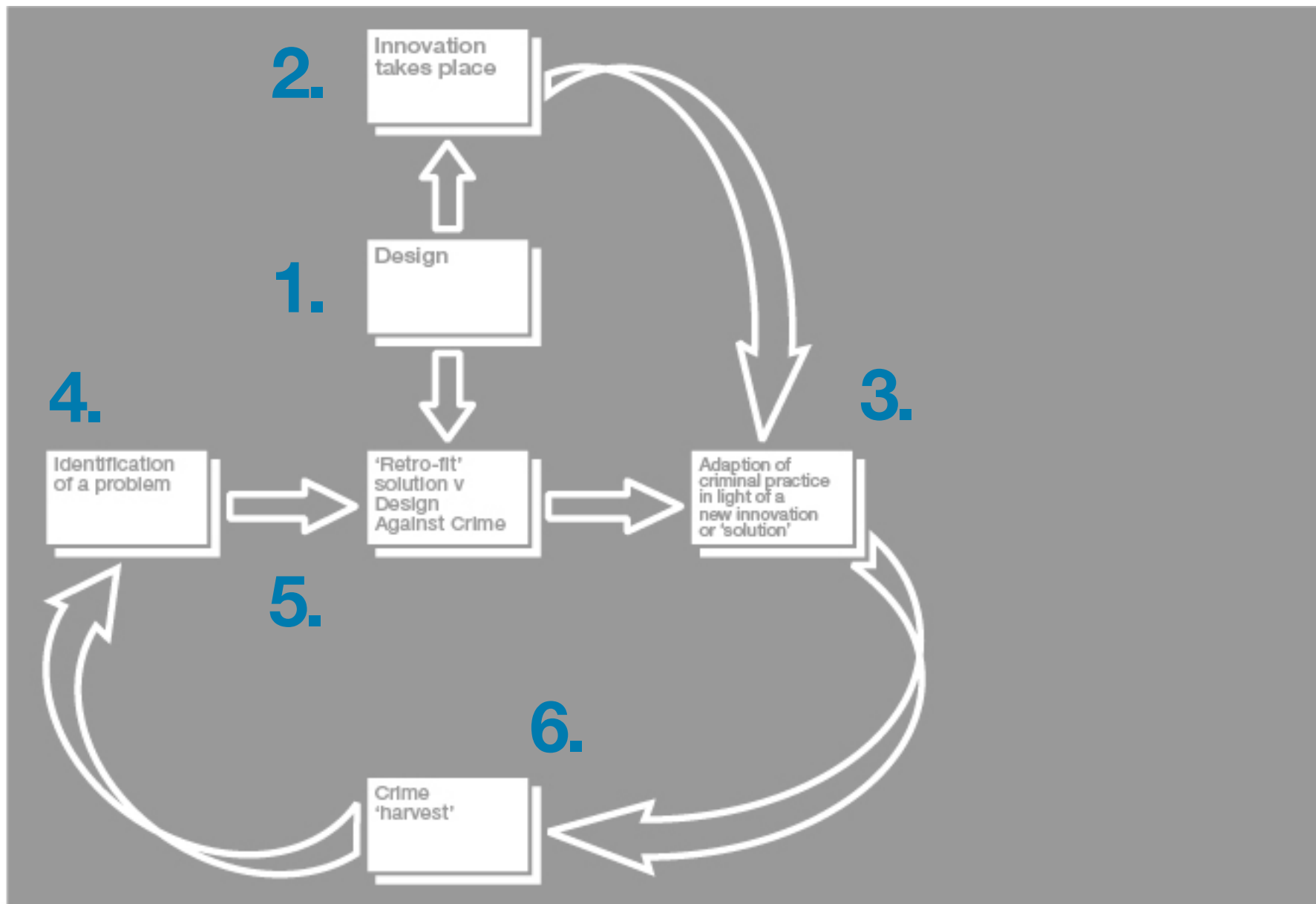
and now in 2007 there is a more
manufacturing interest...



Safe: Design Takes on Risk, Museum of Modern Art, New York, USA. 16th October 2005 - 2nd Jan 2006

2. What is Design Against Crime's practice-led methodology?

Innovation is often linked to creating desire as well as solving a problem. Crime trends follow consumer trends and should be anticipated in the design process, otherwise **'crime harvests'** occur.



Criminals adapt, and anticipate;
so town planners, civil servants,
architects, and designers should
too i.e. anticipate crime problems
and adapt designs when making
decisions about objects, social
spaces, cities.

How to make DAC happen: Introducing the Iterative Process

The iterative process is a design method. It is based on interaction design and addresses mis-use and abuse, as well as use. It is constantly re-evaluating and improving design thinking based on user feedback/expert advice.

This practice-led research methodology results in the best possible design solutions for the people who are affected by the issue/research topic:

in this case . . . crime.

Socially responsive design does not have to deliver ugly or ‘niche’ product, but rather product that looks nice and are functional.

Comparable with: Design for ability

Physical user requirements



Design Aid : Activ walking frame by Tangerine.

*'Disability does not
mean you lose
your taste'*



**Design for ability understands
because you may be in a wheel
chair you don't/shouldn't have to
lose your taste for beauty.**

**DAC understands too that secure
design doesn't have to look
criminal.**

3. About anti bike theft design : **www.bikeoff.org**

So how does DAC respond to social problems? Pedal cycles are an acclaimed sustainable transport resource, but :

BIKE CRIME FACT 5:

Fear of bicycle theft is known to be a significant deterrent to cycling. Evidence suggests more people would cycle if they believed their bike was safe from theft. This does not help Mayor Ken Livingstone achieve his aim for London increasing bicycle use by 2010.

BIKE CRIME FACT 8:

Research conducted in Melbourne shows that 29% of victims said they said they would, or they have given up cycling following the theft of their bicycle.



www.bikeoff.org

CITYBIKE SCHEMES



FLY PARKING



STEET PARKING STANDS



COVERED PARKING



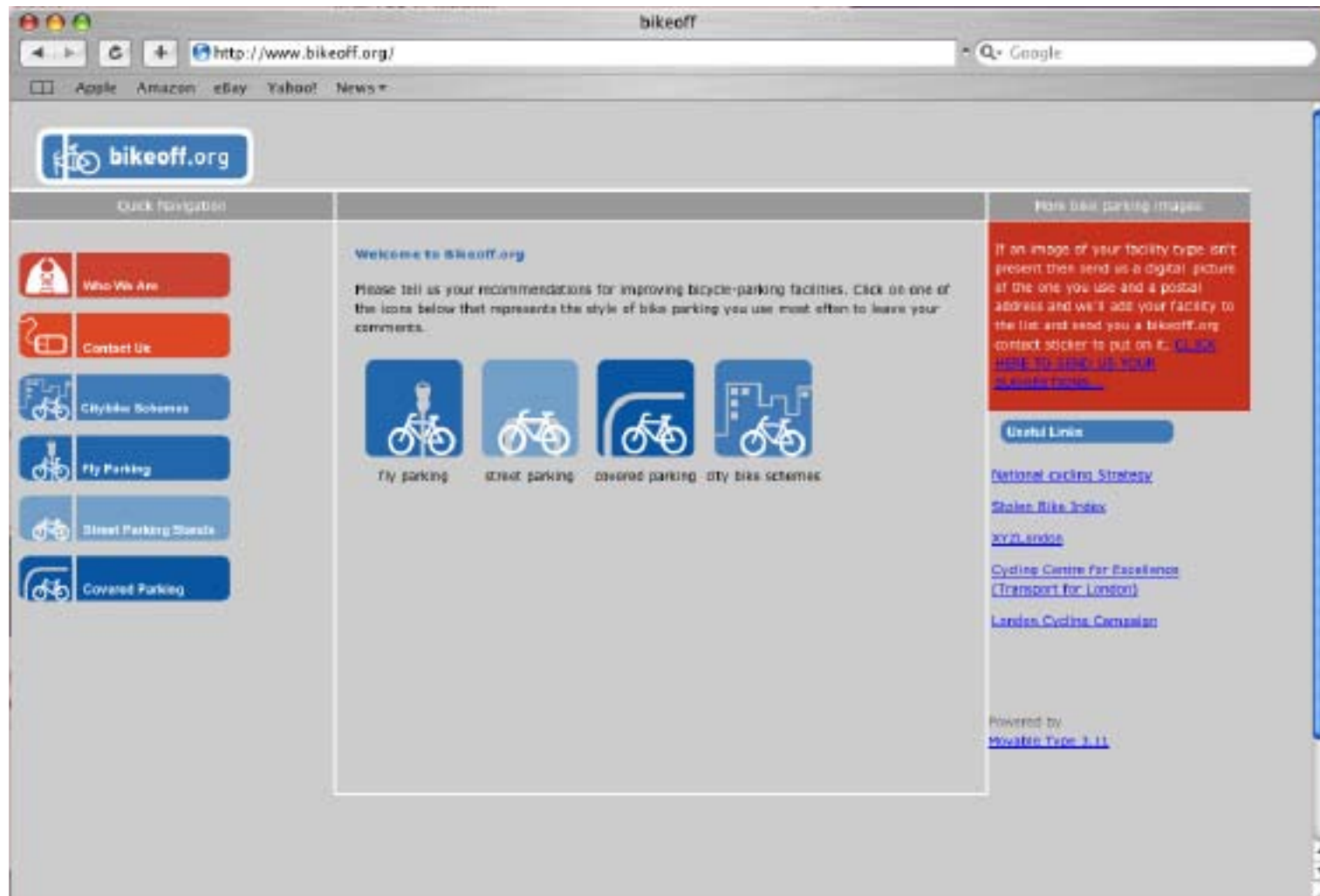
Welcome to BIKEOFF.ORG

Please tell us your recommendations for improving bicycle parking facilities. To use this site click on one of the bike parking icons you recognize. Find the photo/s which closely match/es the type of parking you use or wish to comment on – and log your opinion/s in box near the image.

We are interested in your opinions re:

1. LOCATION OF THE FACILITY,
2. DESIGN OF THE FACILITY AND
3. MOST IMPORTANT – YOUR EXPERIENCES OF USING IT.

www.bikeoff.org





Reinventing the Bike Shed 2006



Cochrane Theatre



Puma/Vexed Generation/Biomega:

Puma's urban mobility range - Anti crime folding bike



AHRC/EPSRC's Design for 21st Century Holborn Gateway Project

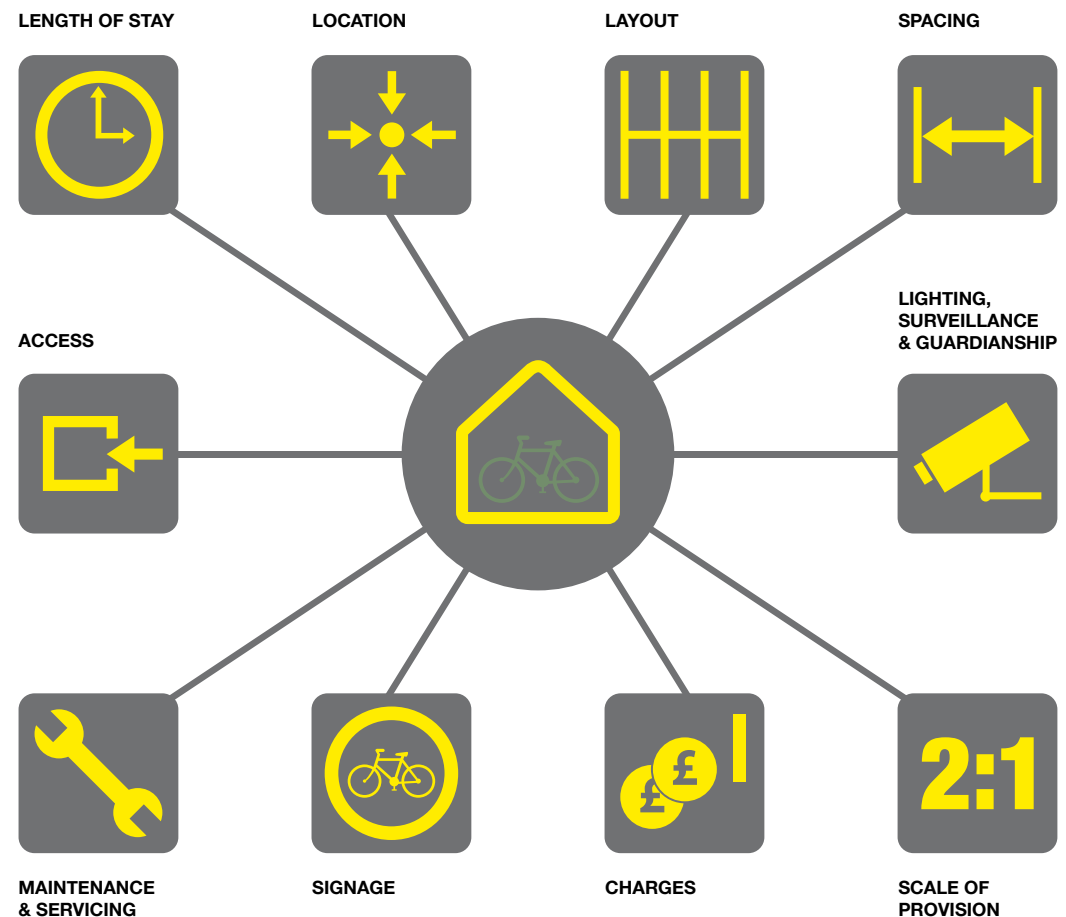


Holborn Gateway: 8500 observations of 'locking' events

Double Child Fold Racer City Delivery Style Bmx Mtb Recumbent										<input type="radio"/> Well maintained <input type="radio"/> Fairly Used <input type="radio"/> Bettered <input type="radio"/> Abandoned		Colour _____ Make _____	<input type="radio"/> F <input type="radio"/> M
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Date _____	Data taken by _____						Observations of site and surrounding area						
Time _____							_____ _____						
Take _____	mon tue wed thu fri sat sun						_____ _____						



‘Bikeoff: Tracking design terrains of cycle parking’ conclusions



To be a part of the consultation process: www.bikeoff.org



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To be a part of the consultation process: www.bikeoff.org



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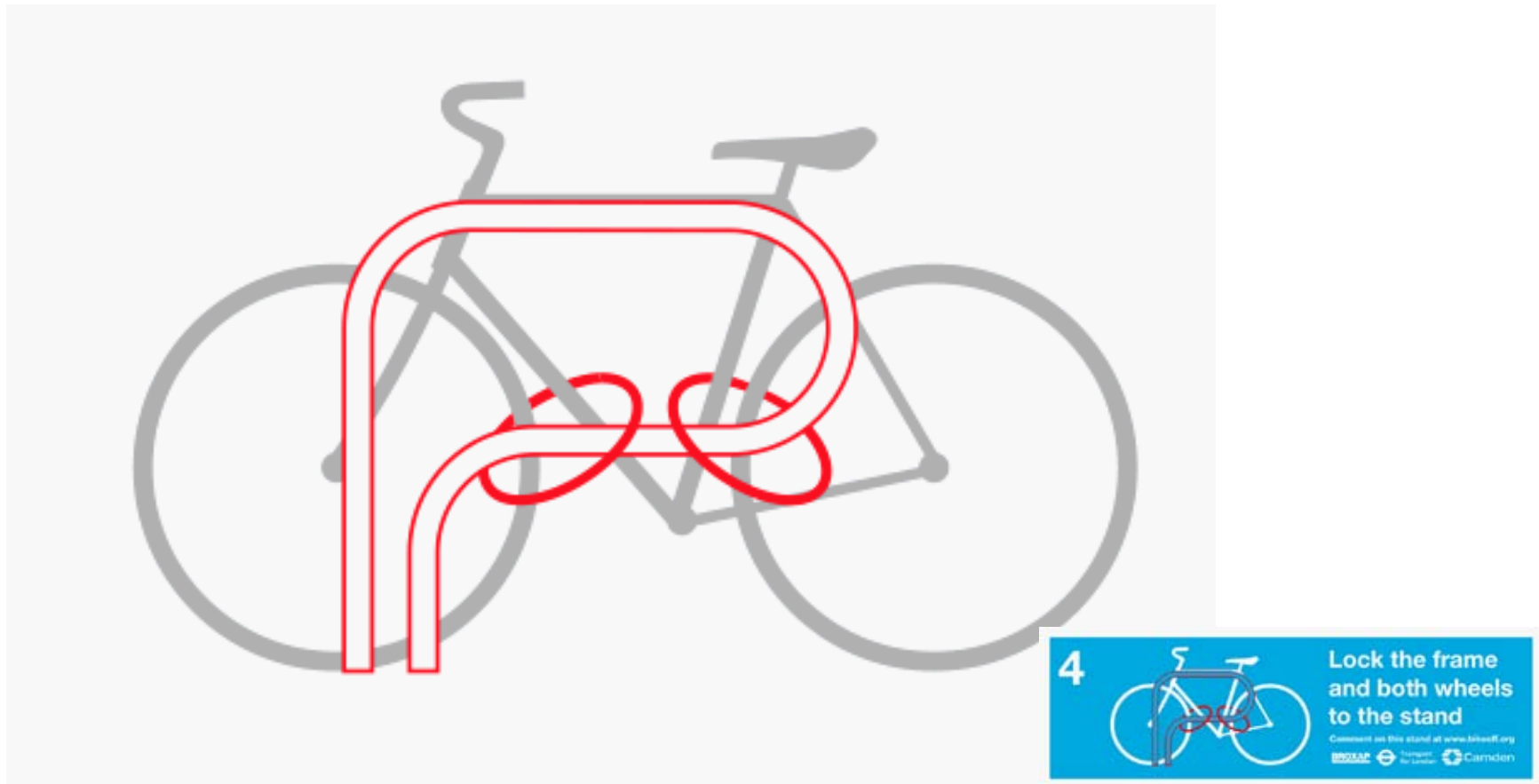


**Lock the frame
and both wheels
to the stand**

Comment on this stand at www.bikeoff.org

WOLAP  Transit  Camden 

To be a part of the consultation
process: www.bikeoff.org



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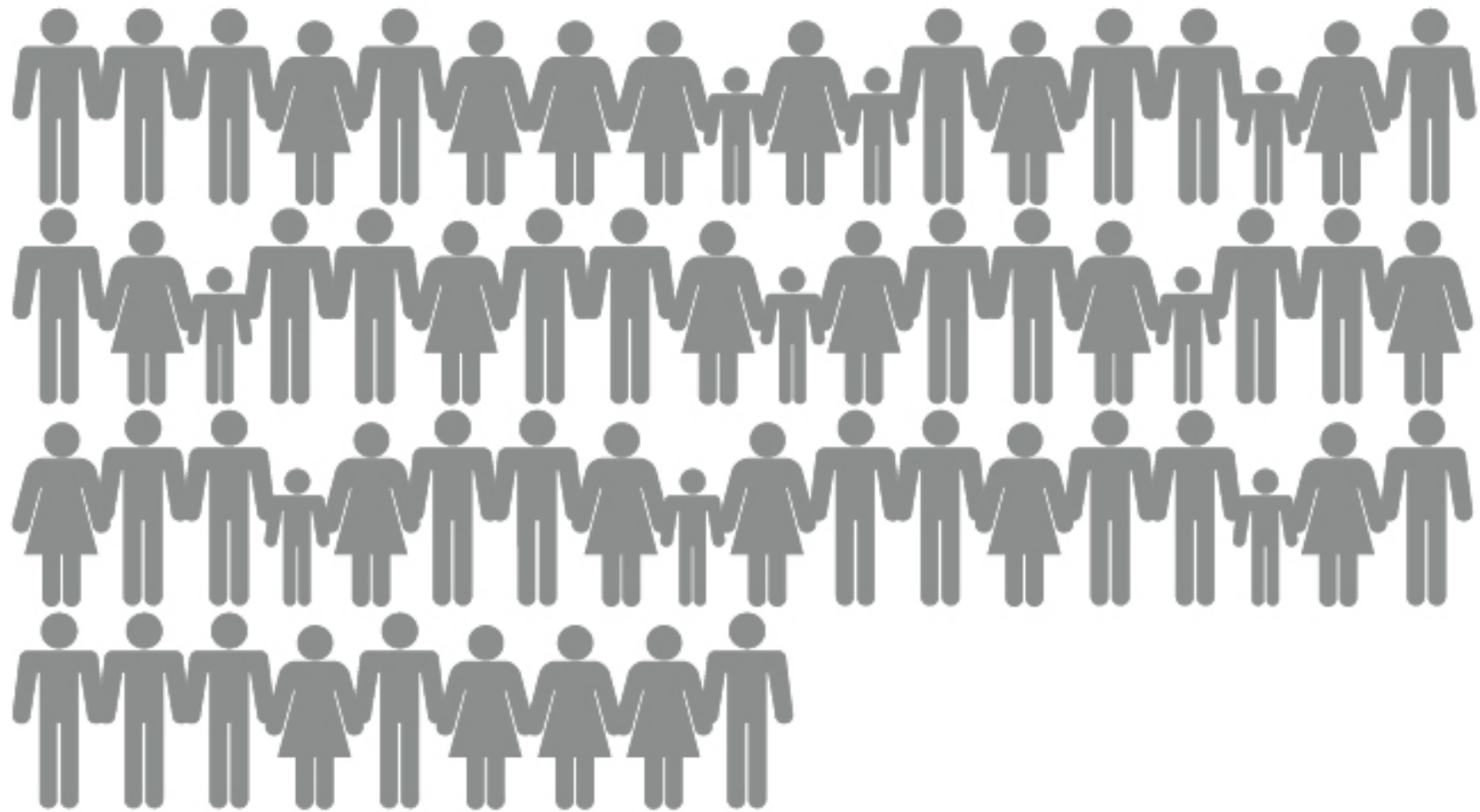


To be a part of the consultation process: www.bikeoff.org



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Take care out there