



FOREST & LANDSCAPE



Photos: Inger grønkjær Ulrik

Bikeability

- Cities for zero-emission travel and public health

DSF seminar, 10/ 3 2010



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Summery and objectives

Focus will be put on the anticipated effects on bike-ability of

- a) social, cultural and demographic changes of the urban population;
- b) changes in the urban structure (population density, amount and quality of bicycle tracks, location of facilities);
- c) changes of bicycle infrastructure (new paths, bridges); and
- d) changes to the route attributes (traffic light, separation of bicycle lanes).



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Participants

- Forest & Landscape Denmark, University of Copenhagen (4 researchers, 1 post doc, 2 PhD's)
- Department of Architecture and Design, Aalborg University (3 researchers)
- Department of Development and Planning, Aalborg University (1 researcher, 1 post doc)
- University of Southern Denmark (1 researcher, 1 PhD)
- Danish Cancer Society
- Danish Cycling Federation
- Delft University of Technology (the Netherlands)
- I-CE, Interface for cycling Expertise (the Netherlands)

Budget

- The project is financed by The Danish Council for Strategic Research
- Granted support: 12.998 Mill Kr

Time frame

- The project will commence 2010 and run until 2013

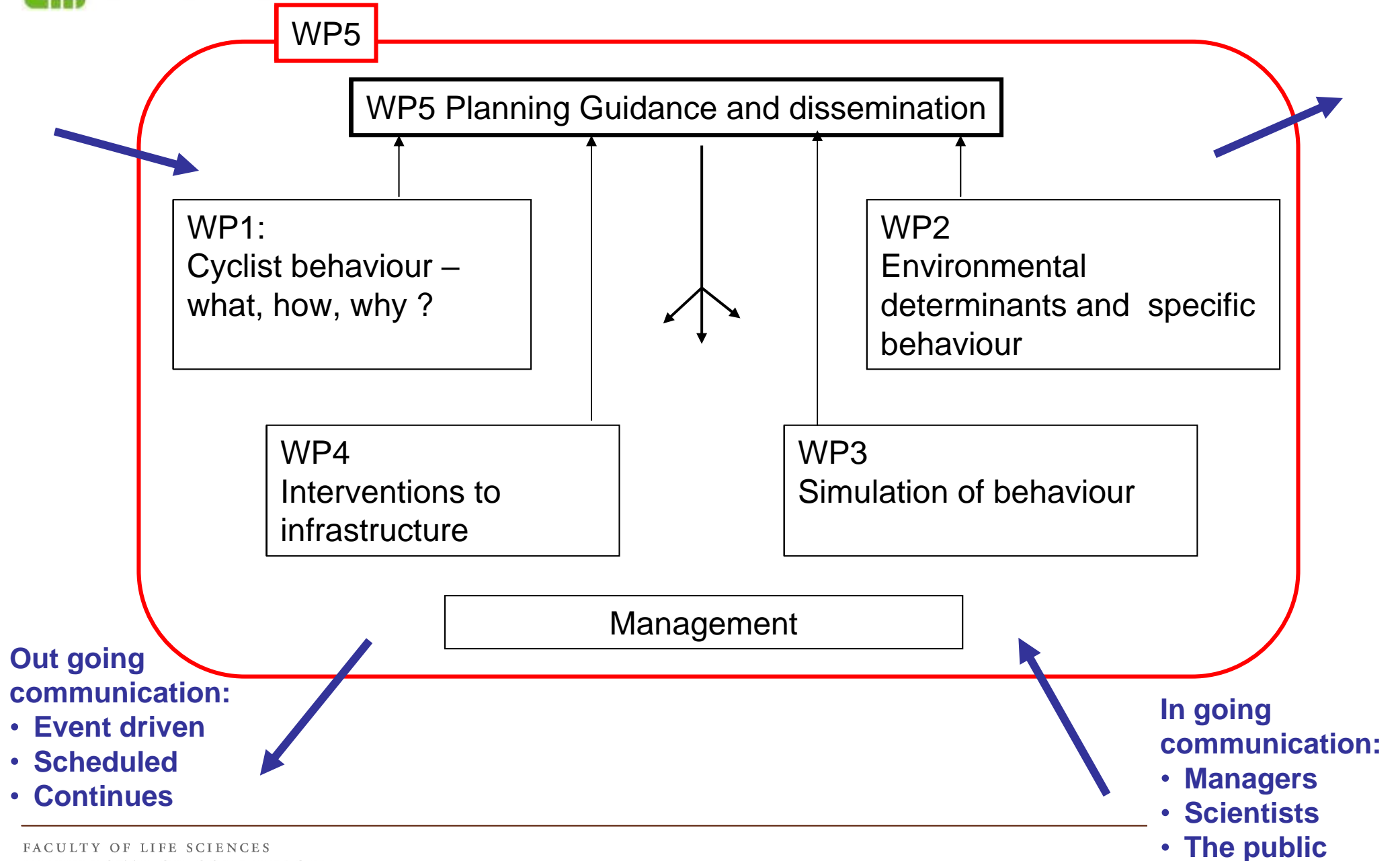




The project consists of 5 interrelated workpackages:

- *WP1: Cycling behaviour and its preconditions* will analyse the determinants for cycling behaviour of individuals, such as motives, lifestyles, opportunities and constraints.
- *WP2: Environmental determinants for bike-ability* will link GIS data with objective and subjective measures of cycling in relation to the conditions of selected neighbourhoods.
- *WP3: Choice modelling for simulation of bicyclist behaviour* develops an agent based modelling (ABM) approach to simulate the flow of individual bicyclists in urban areas as a response to changes to the urban environment (bicycle tracks, bridges over heavy loaded traffic corridors, urban greening etc.) or the level of and attitude to bicycle transport.
- *WP4: Interventions to the bicycling infrastructure* will analyze bicycle infrastructure cases in the Danish municipalities and the Netherlands; [...] that can help promote cycling significantly.
- *WP5: Planning Guidance and Dissemination* serves the purpose of presenting the projects methodological advances and conclusion.







Organization

- Steering group
- Project group
- International scientific board of advisors
 - Professor **James F. Sallis**, Department of Psychology, San Diego State University (expertise: health and active living; environmental interventions)
 - Director, Professor **Michael Batty**, Centre for Advanced Spatial Analysis, University College London (expertise: GPS, Simulation, Planning)
 - Associate. Professor **Wolfgang Haider**, School of Resource and Environmental Management, Simon Fraser University (expertise: Choice experiments)
 - Research Ass. **Dave Horton**, Lancaster Environment Centre, Lancaster University (expertise: Bicycle sociology)
- National group of stake-holders
 - KL
 - Municipalities of Odense and Copenhagen
 - The Road Directories
 - ... and more



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Anbefalinger fra Fase I

Specifikke bemærkninger:

- Hvilke byer skal indgå som cases
- Der bør inviteres en udenlandsk partner
- Data koodinering med tvansportvaneundersøgelsen
- Uddybning af interview metode(r)
- Hovedansøgernes tid skal øges
- Det samlede, ansøgte beløb skal ned på 12-13 Mill Kr.





Anbefalinger fra Fase II (review)

Glenn Lyons (udvalgte bemærkninger):

- Klart, fokuseret og til tiden
- Sigter fremad mod elaborerede beslutningsstøttesystemer i forbindelse med cyklisme
- ...
- Sikring af intern sammenhængskraft
- TU opfattes som upassende i detaljeringsgrad i forhold til forståelse af cyklisme
- Det subjektive element af 'Bikeability' bør elaboreres
- Sikring af inddragelse af resultaterne fra de kvalitative undersøgelser i WP1





Anbefalinger fra Fase II (review)

Susan Handy (udvalgte bemærkninger):

- 'A comprehensive approach'
- ...
- Generelt et rodet ta-selvbord
- Manglende (amerikanske) referencer
- Manglende forankring i transport forskning
- Manglende eksplicit, teoretisk fundament
- Sikring af sammenhæng mellem wp'erne er nødvendig





Brydningslinier og udfordringer (I)

Transdisciplinaritet (vs. dybde)

- Bæredygtighed er transdisciplinært
- Faglig udfordring er altid godt
- ...men det fordrer at man
- Skaber gensidig afhængighed mellem projekt moduler
- Fastholder og dokumenterer nødvendigheden af faglig dybde for projekt moduler
- Fastholder og dokumenterer hypoteser og forskningsmæssige spørgsmål for projekt moduler
- ... og projektet som helhed
- Sørger for selvstændige 'produkter' (undgå interne, normative hierarkier)
- Søger for fælles produkter (fx sam-publicering på tværs af discipliner og moduler)





Praksis (vs. teori)

- (I strategiske forskning) er praksis ikke kun modtager af forskningsresultater.
- ... det er også en datakilde og et sted hvor relevans kommer i fokus.
- ... derfor skal man
- Sørge for at integrere 'stake-holders' (som projektpartnere, som 'advisory boards' og evt. som en del af projektets metode)
- Se at komme i dialogen med praksis, sørge for at de strategiske målsætninger og resultater står forrest
- ... men vide med sig selv at teorien er nødvendig for den faglige lødighed, og for den måde arbejdet og kommunikationen er struktureret på





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Det var så det... Tak for nu.

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