


Asthma, Allergy and Indoor Environment - Adults and Children

Status of WP 2.4 and WP 2.5

CISBO Annual Meeting 2011 - Sandbjerg

PRESENTER:
Gitte Juel Holst, MSc
Department of Environmental and Occupational Medicine
Aarhus University




Aim



- To investigate the association between components in settled dust in residential indoor environments and their impact on health, in terms of allergy and asthma.




Methods




- Study populations

WP 2.4 - Adults



Region Hovedstaden
Helbred2010

WP 2.5 - Children



BEDRE SUNDHED FOR MOR OG BARN

Methods



- Exposure assessment

- Dust analysis of indoor allergens: house dust mite, cat, dog
- MAMP's: endotoxins and glucans


Questionnaire – Health2010



Electrostatic Dust Fall Collector




Methods




- Outcome assessment

- Asthma: lung function and self-reported asthma symptoms
- Allergy: skin-prick-test and specific IgE antigens


Lung function




Skin-prick-test




Specific IgE




Objective 1 – WP 2.4



DATA SOURCES



Sund Stald12 (SU12)



Region Hovedstaden
Helbred2010
Health2010

EXPOSURE

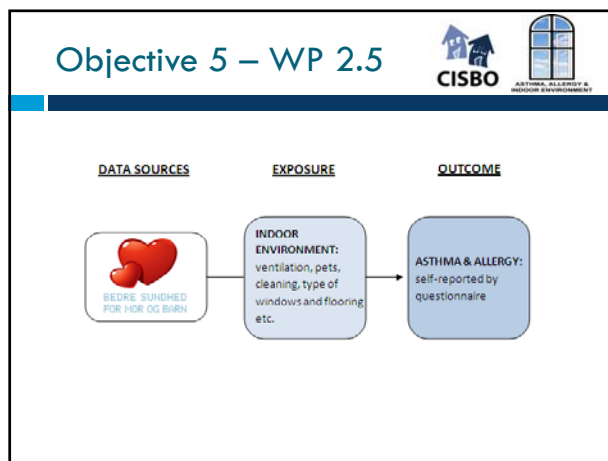
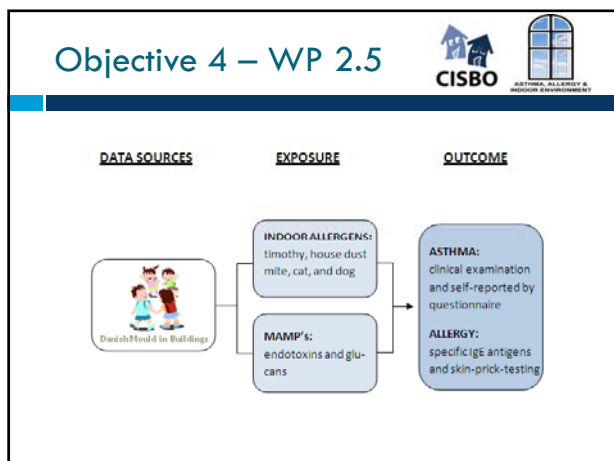
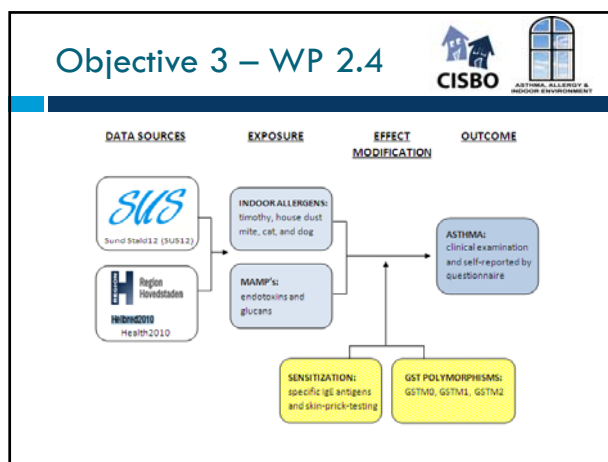
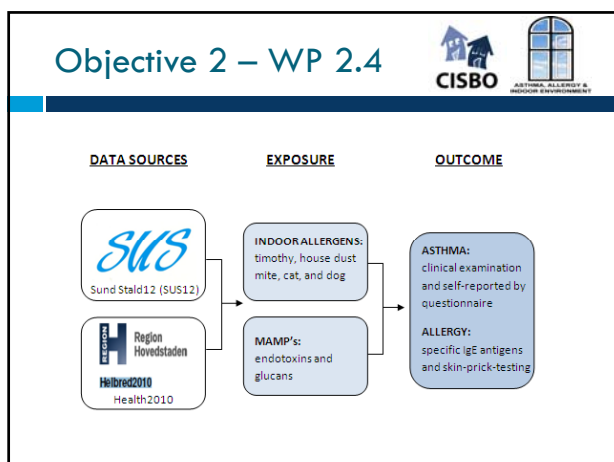
INDOOR ALLERGENS:
timothy, house dust mite, cat, and dog

MAMP's:
endotoxins and glucans

OUTCOME

ASTHMA:
clinical examination and self-reported by questionnaire

ALLERGY:
specific IgE antigens and skin-prick-testing



- ### Time frame 2012
- WP 2.4 – Adult's study
Health2010: Data collection
 - WP 2.5 - Children's study
DAMIB: Data needs preparation before data analysis. Data analysis will be performed.
DNBC: Data collection

Thank you for listening