

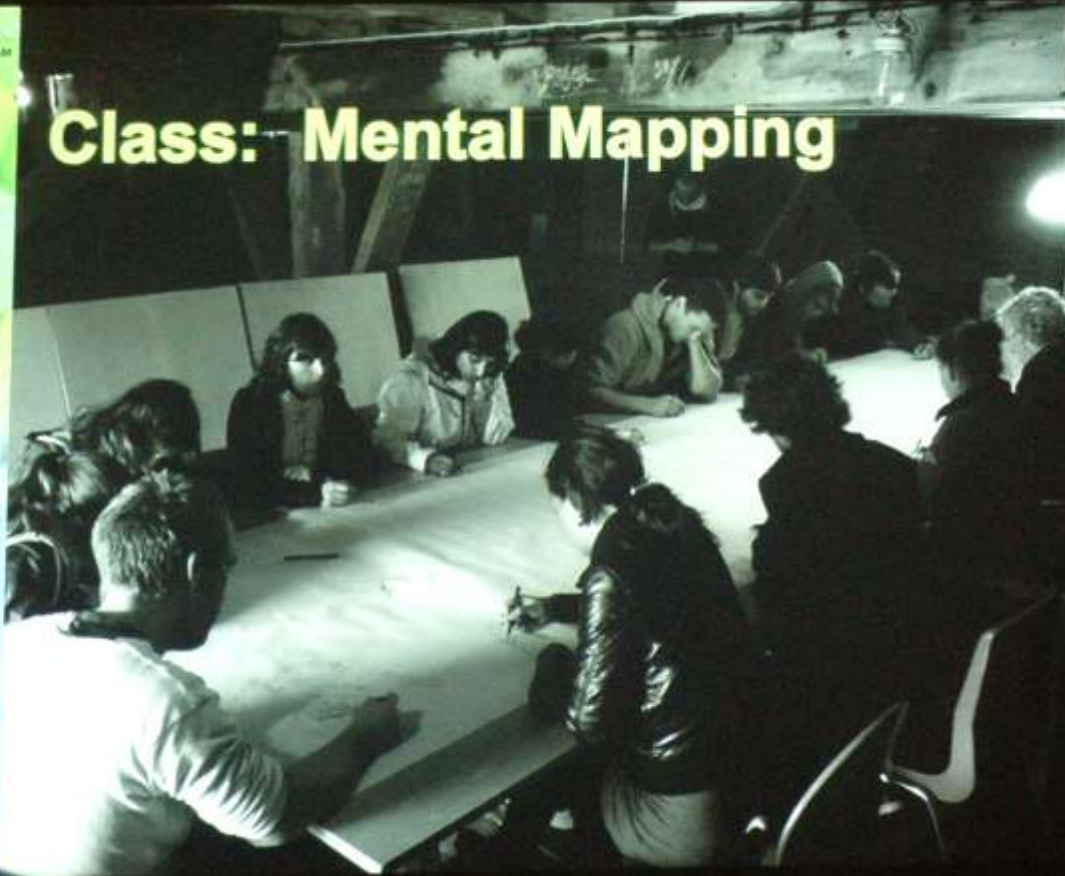
# Eco Urbanism- Thinking at macro, meso and micro scales





SAS  
SCORBYANAM  
MACTEM  
2007-08  
2008-2010

# Class: Mental Mapping



Teachers:  
C. Engleback  
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BAS

COMPLIANCE  
WASTEWATER  
COURSE  
2015-2016



Usage of Water  
sustainable drainage  
for play  
visual  
enlightenment  
natural cleansing  
calming  
refreshing



## Studytrip – Learning moment

Author:  
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**BAS**  
 ACCOUNTING AT  
 UNIVERSITY  
 COURSE  
 2010-2012



**Mobile**

**Materials**



**Battery**

**Materials**

Li-ion has better energy density and higher power output than NiMH.



**Circuit board**

**Manufacturing**

Plastics and resins are used to make the body shape of the circuit board. Most boards are coated with gold plating. The board is also covered in several other plastic components, such as solder with its pads, and other conductive paste or copper that are all stored in the board and connected with precise placement settings.



**LED screen**

**Materials**

Carbon based crystal for coloration is necessary. LED also require the use of glass or plastic.



**casing**

**Materials**

Aluminum or tin-coated plastic is used to do the casing and also some plastic parts.

**Material Raw material Production**

Material	Raw material	Production
Aluminum	Alumina (Al <sub>2</sub> O <sub>3</sub> ) bauxite hydroxide	Australia (44.5%), Guinea (17%), Canada's (17.4%), Brazil (17%) (production in million tonnes/year) - China produces 37% of world aluminium
Plastic	Crude oil	Saudi Arabia (13.1%), Brazil (10.4%), Norway 10.0% (2010) (13,400,000 metric tons total)
Lithium	Lithium chloride	China (72.00%), Australia (15.00%), Chile (13.00%) (million tonnes / year) (72,000 metric tons)
Copper	Copper sulfide	- China (15.3%), Peru (13.8%), USA (11.0%) (million tonnes / year) (75.8 metric tons)
Glass	Sand	Australia (27%), South Africa (23%), China (21%), USA (20%) (million tonnes / year) (200 million metric tons)
Carbon	Carbon (suboxide, coal, kerogen and bitumen)	Canada (carbon intensity USA and Korea)
Micro	Micro building materials	China (72%), Japan (14%), Canada (10%) (million tonnes / year)
Gold	One million	China (1,400,000), Australia (1,330,000) and Peru (1,190,000) (tonnes / year) (70% mining and 30% from recycling)



Macro: My everyday convenience

**BAS**  
COPENHAGEN  
MARKET  
COURSE  
2009-2010

**2020**



**“WE COULD HAVE STOPPED CATASTROPHIC CLIMATE CHANGE”**



**WE DID...**



**...NOTHING**



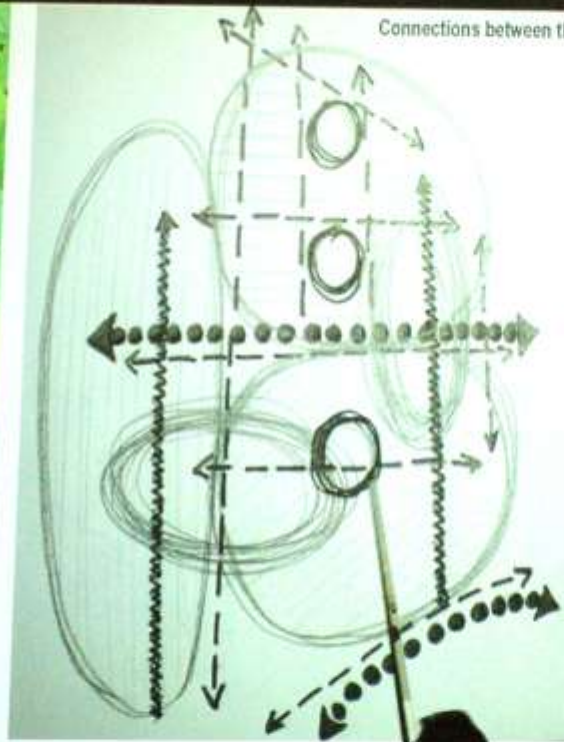
**BAS at Copenhagen Climate Exchange**

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BAS

DEPARTMENT OF  
ARCHITECTURE  
COURSE  
1995-2013

Connections between the areas



# Connections

Faculty:  
L. Euphank  
M. Aarbo  
M. Rapp (DAV)

BAS

CONCRETE  
MATTER  
FOR THE  
2009-2010

## RETROFITTING BUILDING 2



# Food

Project:  
Eugène  
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