

Ongoing Projects on Environmental and Climate Change Adaption

at the Agency for Planning and
Building Services in Oslo–Norway

Nordic Climate Change Adaptation Workshop
Linköping/Norrköping 03.09.2009

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Plan- og
bygningsetaten

Our role

The Agency for Planning and Building Services' responsibility and role

- Enforcement of provisions in the planning and building act
- Public advisor in planning and building services
- Driving force in urban development
- Co-ordinator and participant in planning activities between municipal agencies and on regional levels

The project Goruddalsatsningen represents an ongoing, large scale, joint planning approach Bjerkedalen Park by Dronninga Landskap (2009)



Ongoing projects

The Agency for Planning and Building Services'
Environmental and Climate Change Strategy

Environmental Programming in the harbour
renewal project *The Fjord City*

Internal data-base on environmental
issues—*Miljøportalen*

Participation in *Framtidens byer 2008-2014*

Participation in *By- og boligutstilling
Oslo–Drammen 2009-2018*

Regional collaboration framework
on land use- and transport planning
Pålagt regionalt plansamarbeid (PRP)



Bjørvika–The Fjord City



*Urban planning discussion–
By- og boligutstilling 2009-2018*



The Agency for Planning and Building Services' *Environmental and Climate Change Strategy*

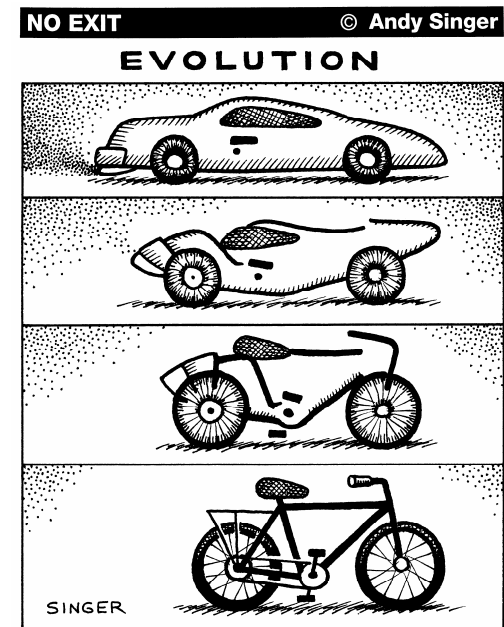
PRIORITIZED ACTIONS

- * *Oslo digital* – a common digital map solution for climate based risk and vulnerability assessment in co-operation between municipal agencies
- * Participate in zero emission urban developments
–actively promoting green building and transport strategies
- * Further develop environmental programming within urban planning
- * Develop inter-regional and municipal collaboration frameworks on transport, land use planning and environmental issues

The Agency for Planning and Building Services' *Environmental and Climate Change Strategy*

PRIORITIZED ACTIONS

- * Develop a strategy for environmental- and climate considerations in the core production
 - integrate routines for environmental measures
 - share knowledge
 - establish an environmental team; internal and between municipal agencies
- * Assess the possibility of introducing stricter, local energy efficiency requirements than the national regulation (... TEK-2007 ... TEK-2010 ...)



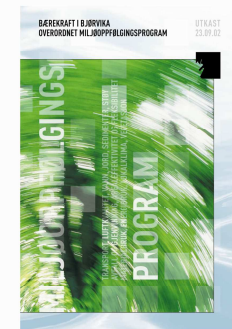
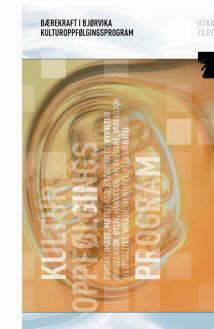
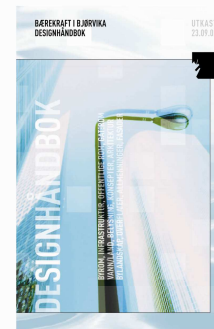
Environmental Programming in the harbour renewal project *The Fjord City–Bjørsvika*

BACKGROUND

The Bjørsvika process started 1999

2009: 1 building completed,
2 under construction, several infra-
structure projects in progress,
several plans are being considered

Sustainability concept
–development of 3 strategic actionplans
covering design / culture / environment



*3 strategic programmes for Bjørsvika
integrating environmental, social and cultural concerns*

Environmental Programming in the harbour renewal project *The Fjord City*

www.fjordbyen.com

FOLLOW-UP ASSIGNMENTS

- * Program for development and learning including information and the mobilization of participants
- * Assess the practical use of environmental measures introduced in the New Planning and Building Act (July 2009)
- * Undergo process improvement within core production towards considering environmental interests



The Opera seen from the Opera-common

Environmental Programming in the harbour renewal project *The Fjord City*

www.fjordbyen.com

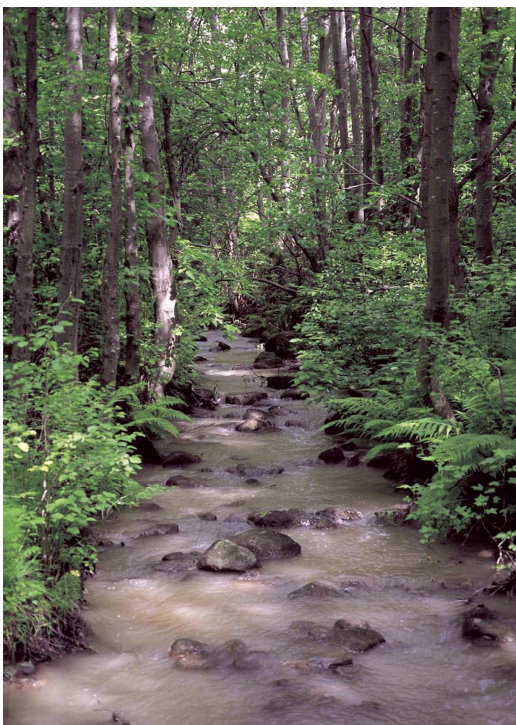
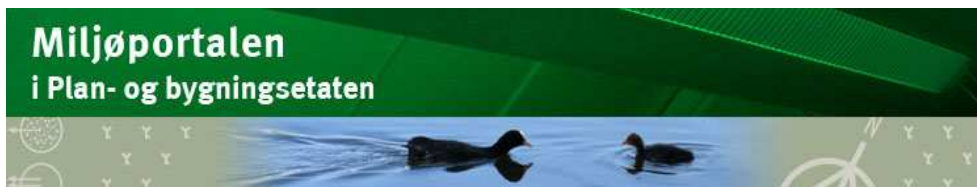
FOLLOW-UP ASSIGNMENTS

- * Further develop environmental programming as a urban planning tool, for example
 - environmental standards
 - environmental impact assessment (EIA/LCA)
 - follow-up routines
- * Co-operate towards realizing pilot projects within arenas such as *By- og boligutstilling* and *Framtidens byer*



The Opera seen from the Sørenga-common

Internal data-base on environmental issues– *Miljøportalen*

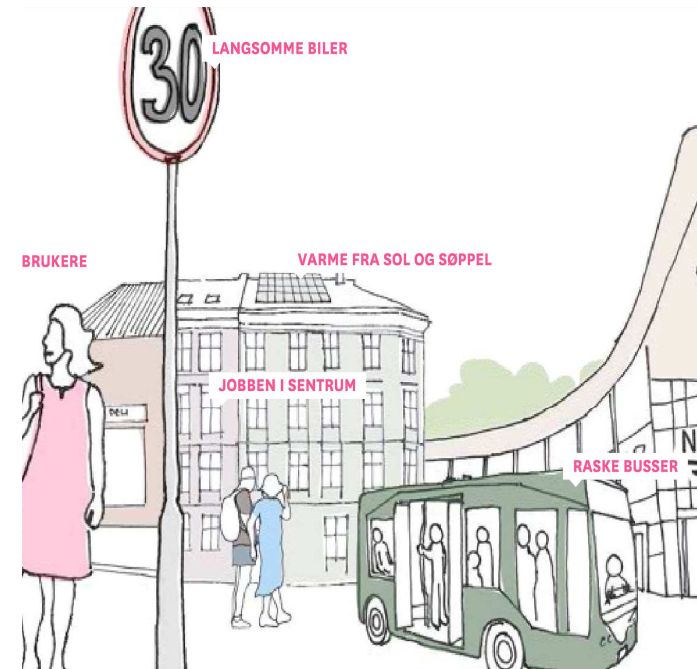


The opening and restoration of the river Alna

MAIN OBJECTIVE is to supplement agency work with straight forward information on

- Waste
- Urban green structure and biodiversity
- Energy
- Pollution, noise reduction and air quality
- Climate change
- Stormwater treatment and water issues

Participation in *Framtidens byer 2008-2014*



FRAMTIDENS
BYER

Collaboration between the Norwegian State and 13 cities on the following tasks

- Adaption to climate change and emissions reduction
- Land use- and transport planning
- Consumption and waste
- Sustainable building and energy

Participation in *By- og boligutstilling Oslo–Drammen 2009-2018*



*Imagine Rommen by PUSHAK (2008)
–a possible BYBO project in Groruddalen, Oslo*

- * 1:1 exhibition of built, best practice, green architecture within an urban context
- * A driving force in the development of zero emission architecture
- * Realize 30 best practice examples within 10yrs
- * Arena for innovation and communication of research, development and green expertise
- * Offering green guidance to contractors wanting to commit to the quality criterias

Participation in *By- og boligutstillingen Oslo–Drammen 2009-2018 (BYBO)*

QUALITY CRITERIA

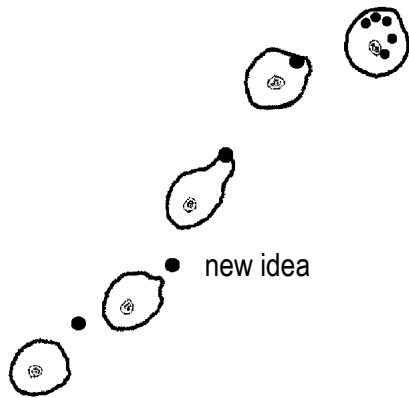
- * Reduce GHG-emissions by 50-90% according to today's standards
- * Reduce the use of cars by 50%
- * Passive house standard, or better
- * The use of environmentally and climate friendly building materials
- * Universal design/the accessibility code in every project



The new building for The Meteorological Institute by Arkitekt PIR II (work in progress)–the first By- og boligutstilling project in Oslo



the assimilation, spreading and transformation of the idea



The amoeba of culture



The egg-hen question?

CHALLENGES

- * Integrated planning
- * Joint implementation and responsibility

SUCCESS CRITERIA

- * Common understanding and knowledge
- * Common methods and tools
- * Facilitate process, realization and follow-up routines
- * Obtain authorization (political) to carry out environmental measures
- * The will to try out new solutions/practices

CHALLENGES continued



- * Change of attitude
- * The consumption/consumer aspect – a private matter?
- * Citizen participation and the civil society aspect

Passing the buck?

Some web-sites



www.oslo.kommune.no



www.bjorvikautvikling.no



www.fjordbyen.com



www.byggalliansen.no



www.solenergi.no



www.arkitektur.no



www.norwegianwood.no



www.pilestredetpark.no

