



The Norwegian Association for Local and Regional Authorities –KS

Gunnbjørg Naavik
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What does KS do ?

428 municipalities

19 counties

500 municipal enterprises

495 000 employees

11 500 councillors

350 billion NOK

KS providing high quality services to
5 million inhabitants from cradle
to grave.

KS' most important tasks

- Consultations with the National Government on framework conditions for municipal sector
- Central collective bargaining
- Advisory and consultative body on legal, economic and administrative issues
- Research and development, documentation
- Development and training of councillors and employees.
10 000 participated in 2014
- Organisational development of local democracy



National Policy on Climate Change Adaptation

- 2007 : Norwegian Climate Adaptation Programme
 - 2008-2010 : Norwegian Report on Climate Change Adaptation
 - 2013 : White Paper on National Adaptation Strategy
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- Headed by the Ministry of the Environment
 - 10 ministries
 - Programme secretariat
 - The Cities of the Future – pilot project in 13 cities
 - Continuous research, i.a. NORKLIMA, NORADAPT, KLIMAFORSK

Major Statements From the White Paper

- Extreme weather events - severe test
- Higher risk of landslides and flooding
- Different risks and new areas
- Infrastructure in urban areas - vulnerable to intense precipitation and sea level rise
- Impact on species
- Major consequences in the Arctic region
- Direct impacts on the primary industries
- Pressure on the electricity infrastructure



Focus on Counties and Municipalities

The White Paper

- The climate change local character puts municipalities first in line; planning, water and sewage, natural resource management etc.

Municipalities should


- Take account of climate change
- Provide knowledge and expertise
- Assess risk and vulnerability
- Prevent loss and damage



National Authorities Action Forward

1. Strengthening the knowledge base
2. Urban – runoff water
3. Central Planning Guidelines
4. Networks
5. Indicators
6. Capacity building
7. Dissemination - www.klimatilpasning.no
- 8 .International activities

Climate adaption at local level-challenges

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- Lack of knowledge
 - Unsufficient funding of preventing actions
 - Unclear mandate during an incident
 - Heavy economic burdens for the affected local communities
 - Unpredictability regarding fundings, demands, roles, responsibilities.

Research as a basis of recognition

Kliman
Kartlegging i
agregert for

Oktober 2001

RAPPORT
KLOKT – klim
Beskrivelse av den
Rolf Loe
11. oktober 2010

KS
KLOKT – klim

Lokale klimatiltak som gir utslippskutt

Kvantifisering av klimatiltak

- I Framtids byer og kommuner i Akershus med støtte fra Miljøverndepartementet og Akershus fylkeskommune
- I kommuner i Hordaland og Trøndelag med støtte fra Kommunal- og regionaldepartementet

Utproving og evaluering av beregningsverktøy og resultater. Vurdering av potensial.



Desember 2011



Vestlandsforskningsrapport nr. 4/2011

WESTERN NORWAY RESEARCH INSTITUTE
VESTLANDSFORSKING
www.vestforsk.no

Klimaendringenes konsekvenser for kommunal og fylkeskommunal infrastruktur

Sluttrapport

Carlo Aali (red.)

Vestlandsforsking, Pb 183, 6881 Sogndal • Tlf: 57 67 61 50 • Faks: 57 67 61 50

Effects of climate change
on infrastructure



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Vestlandsforskningsrapport nr. 6/2012

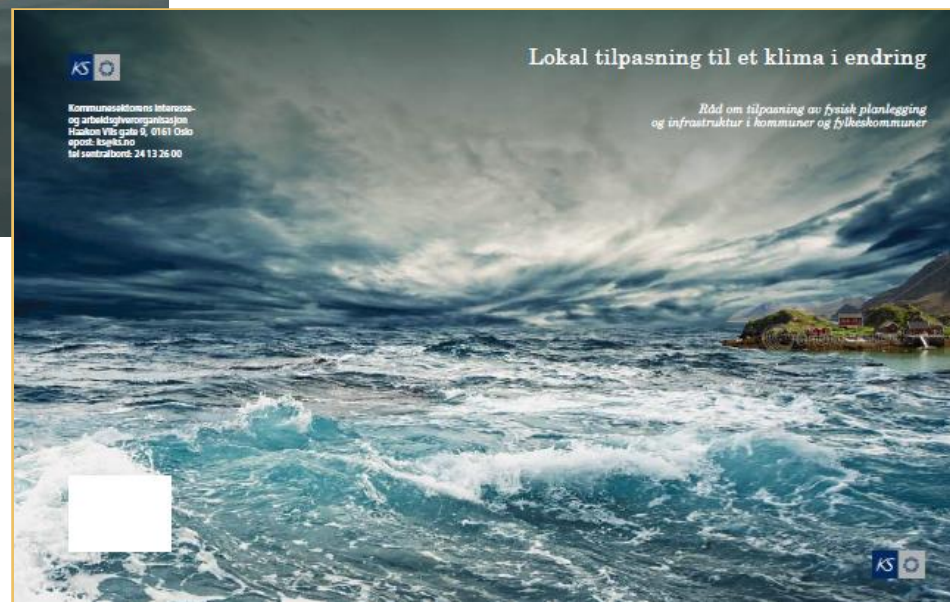
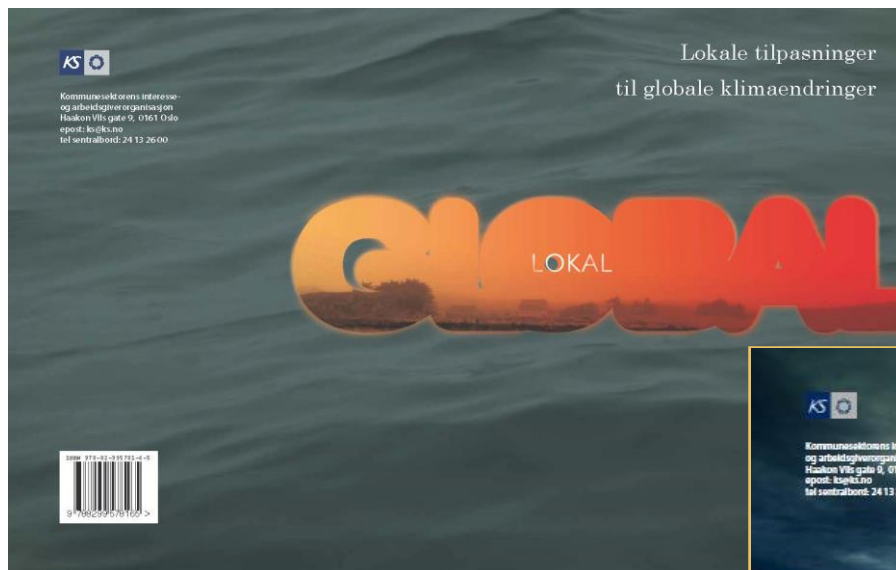
Barrierer for tverrsektorielle lokale klimatiltak Sammenendragsrapport

Ingrid Sæviensminde, Ole-Inge Gjersdal, Carlo Aali, Rune Ophheim (Civitas), Annegrete Bruvoll (Vista Analyse).

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Barriers to cross-sector
climate action

How to get started and good practice on adaptation to climate change



Municipal networking on adaptation - a way to get your city more prepared to meet the climate changes!



Emission reduction,
transition and climate
adaption combined

