



FYLKESMANNEN  
I ROGALAND

# **STRATEGIES AND ACTIONS THAT FOSTER/SUPPORT ADAPTATION**

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MYKJE REGN: Det har batta ned i Sogn og Fjordane siste dagene. I Stryn blei det sett all tinn

## Stryn har sett ny nedb

Det har aldri før blitt målt så mykje nedbør i Stryn som det v

Publisert i dag, for 8 timer siden

På målestasjonen Kroken i Stryn blei det fredag målt heile 104,9 mm.

– Dette er ny rekord i Stryn. Så mykje har det aldri før blitt målt her meteorologikonsulent Kari Bergfjord ved værvarslings på Vestland

• **LES OGSÅ:** Buss med 30 passasjarar køyrde inn i jordras i (innesperre mellom to ras

I tillegg til rekorden på Kroken, blei det sett nye novemberrekordar på ni måle Fjordane.

- Svelgen 108,7 mm
- Daviknes 106,5 mm
- Fureneset, 91,1 mm
- Førde, Tefre 76,6 mm
- Viksdalen 84,6 mm
- Hornindal 85,2 mm
- Rafvik 64,0 mm



# – Kan bli nye regler for husbygging

## Where to start? essentially two approaches

1. Integrated adaptation;  
include adaptation in  
ongoing work:
  - Land use planning and land management
  - Health and care
  - Crisis preparedness and management
  - Infrastructure management
  - Research and mapping
2. Make an overarching  
strategic plan for climate  
adaptation
  - In Strategic plans for the municipalities

## «Pros and cons»

### 1. Integrated adaptation;

- Things get done because they have to be done anyway (+)
- Easier for each sector/field to see the relevance (+)
- Harder to see the whole picture; that the work on climate change comprises many areas and issues (÷)

### 2. Overarching strategic plan

- Can provide an overall presentation of challenges and opportunities that climate change can give (+)
- Adaptation becomes a separate field, isolated from other disciplines and sectors (÷)



Miljø- og samferdselsbyråd Guri Melby i Oslo kommune.

Foto: Svanhild Blakstad.

## Oslo pioneered local adaptation strategy

*"Municipalities must work purposefully to become more resilient and able to handle the climate changes that will come. Oslo is the first municipality doing this work. Our aim is that the capital will be a climate-resilient city"*

## Oslo først ute med lokal klimatilpasningsstrategi

– Kommunene må arbeide målrettet med klimatilpasning for å bli mer robuste og i stand til å håndtere de klimaendringene som vil komme. Oslo er første kommune ut i dette arbeidet. Målet er at hovedstaden skal bli en klimarobust by, sier byråd for miljø og samferdsel, Guri Melby (V).



annonse

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Byggeindustrien



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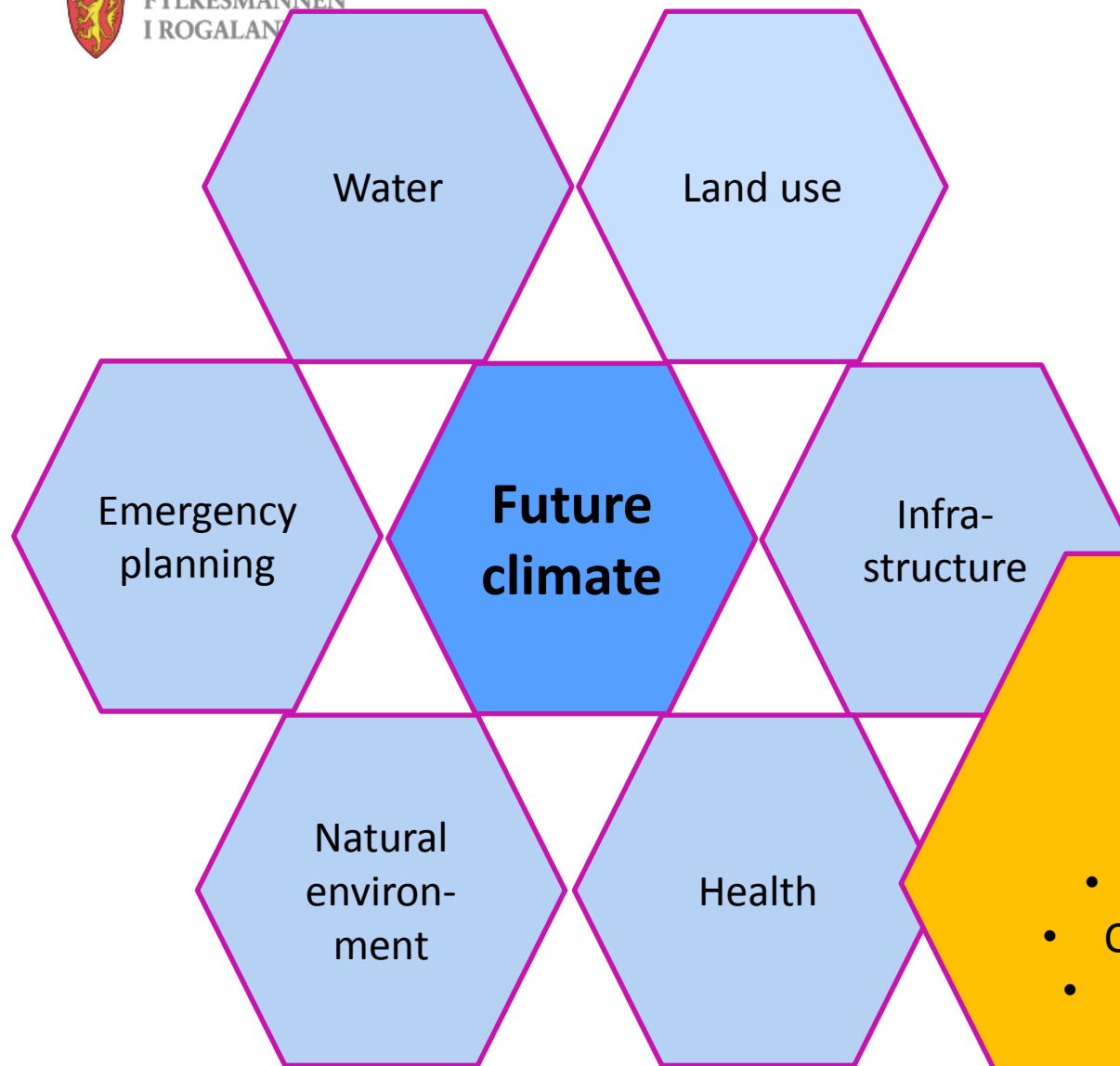
– Vi må ta innover oss at Norge vil rammes av klimaendringene. Vi ønsker derfor å tilegne oss mer kunnskap og iverksette

Vi er spesialist  
seksjon

*"The strategy is not perfect, but it is a good beginning, says Einar Flaa, who has written the document. In good IPCC style it is written first once and then twice more - to make it short and readable for politicians"*



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**Main efforts:**

- Surface water management
- Climate data
- Information efforts
- Cross setor cooperation
- Undergrund mapping
  - International cooperation

## Oslo's four advices to other municipalities :

1. Make sure climate change is a part of every risk and vulnerability analysis: What is the climate challenges your municipality and region face?

It is certainly useful for several municipalities in a region to cooperate!

2. Where do you start? Stronger storms, rising temperatures, drought, more precipitation, intense rain/snow and sea level rise are acute problems. How does these affect you?

## Oslo's four advices to other municipalities (2) :

- Raise your eyes and look forward:
  - What is the long term perspective?
  - What does climate change mean for institutional development, local business and biodiversity in your region?
- Increase knowledge at all levels of the administration!
  - Define: what is your responsibilities at your administrative level?

# The County Governor's strategy

- Even if we have less knowledge than we want:  
We know more than enough to act!
- That means, among other things:
  - Mapping of risk and vulnerability

# RVA

## County of Rogaland

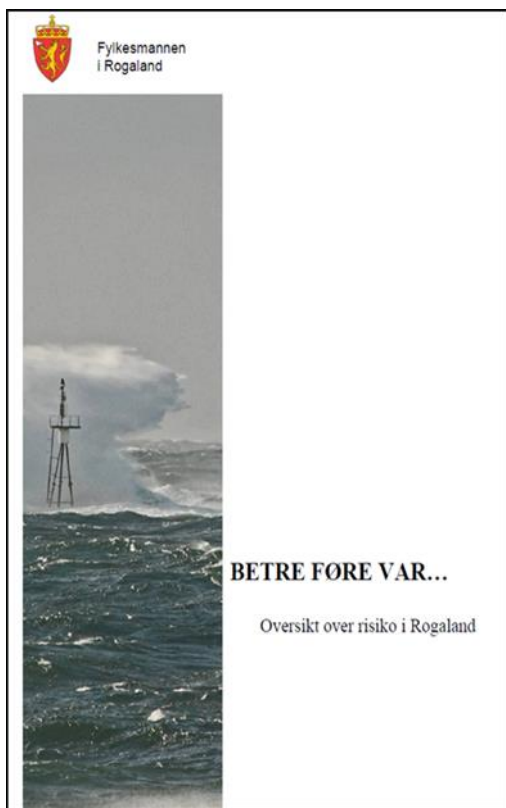




Foto:

**NRK**



# The County Governor's strategy

- We reject land use plans where climate change consequences are not analysed
- We control that the municipalities include adaptation in their overall risk and vulnerability analyses



# The County Governor's strategy II

- We guide the municipalities on how to include climate change adaptation in their planning work
- We build networks and cooperate across levels, sectors and authorities
- Lokal/regional examples!





# Local examples and possible solutions

## Felt med LOD-tiltak



## Some challenges and strains

- Capacity
  - Climate knowledge
  - Practical tools
  - Funding
- Ownership
  - Awareness
  - Scepticism



# Good luck with your work!

