



## Adapting to climate change in Norway

Presentation at the webinar #7 «Management, Monitoring, and Evaluation» organised as part of the project «Oeste Adapta: Municipal Climate Adaptation Planning in the West Region of Portugal" 25.1.2023

25.1.2025

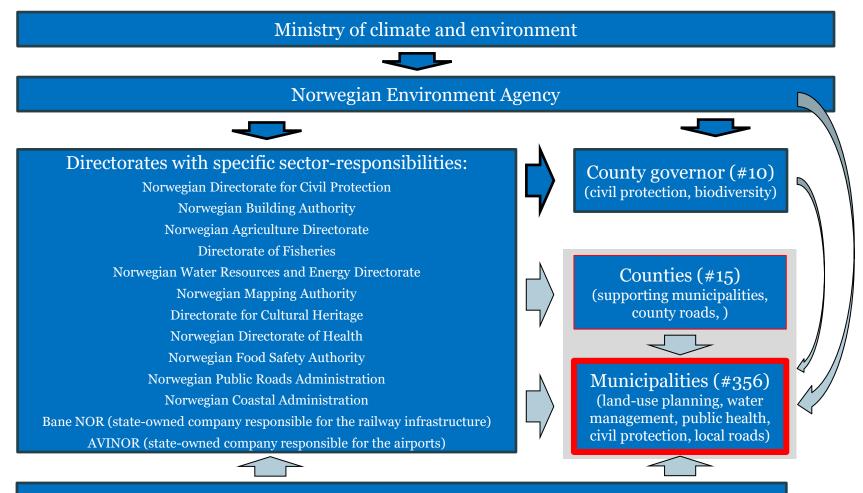
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Year	Government	Municipalities and counties
2003	The need for climate change adaptation mentioned for the first time in a government report (gov white paper on civil protection)	
2004		
2005	First government seminar on adapting to climate change	First municipality (Flora, located in the county of Sogn og Fjrodane) carrying out a specific climate change adaptation measure (increasing hight above sea-level of a newly erected industrial area)
2006		First county climate plan with chapter on climate change adaptation (county of Sogn og Fjordane)
2007	First internal government report on climate change adaptation to climate change.	
2008	First national strategy on climate change adaptation	The council in the national association of local and regional authorities (KS) recommends that the members draw up climate change adaptation plans
2009		
2010	First government green paper on climate change adaptation (NOU 2010:10)	
2011		
2012 2013	First government white paper on climate change adaptation	
2013		
2015		First national survey on local climate change adaptation efforts
2016		
2017	The Climate Act adopted with requirements for reporting on climate adaptation	
2018	State planning guidelines for the municipalities adopted with requirements to create a plan on climate adaptation which must also be seen in the context of a plan for reducing greenhouse gas emissions and increased development of renewable energy	
2019	Introduction of earmarked fundings for the National research center on sustainable climate change adaptation (Noradapt)	Second national survey on local climate change adaptation efforts
2020		
2021		Third national survey on local climate change adaptation efforts
2022	Presentation of an investigation into government authorities' effort to adapt infrastructure and built-up areas to a changing climate from the Office of the Auditor General of Norway	First national survey on regional climate change adaptation efforts



## Responsibility of climate change adaptation

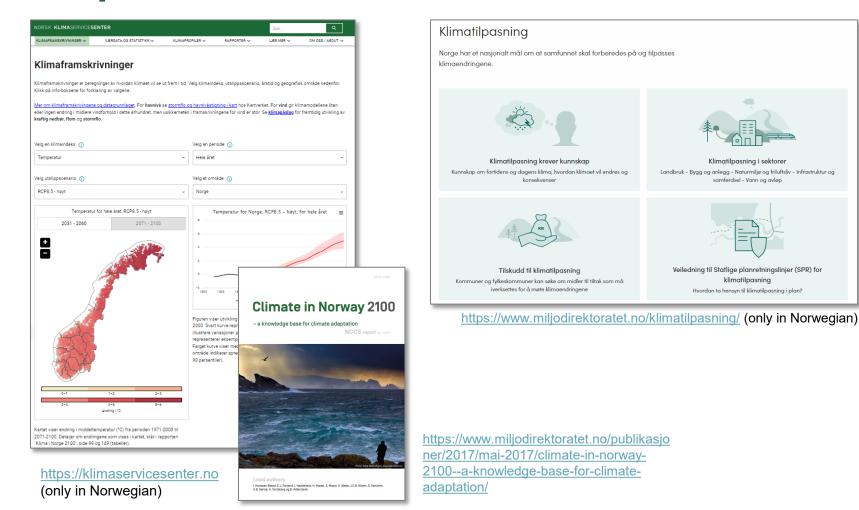


Norwegian climate service center



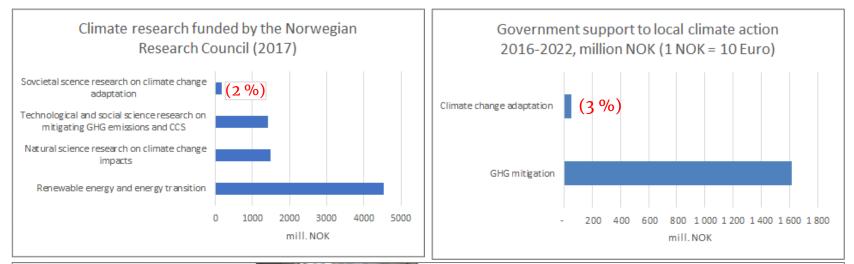
klimatilpasning

### **Government guidance on climate change** adaptation





# **Prioritising climate change adaptation**





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### Investigation into government authorities' effort to adapt infrastructure and built-up areas to a changing climate

The investigation reveals that the Norwegian government authorities do not have the necessary overview of the risks of natural disasters in a future climate

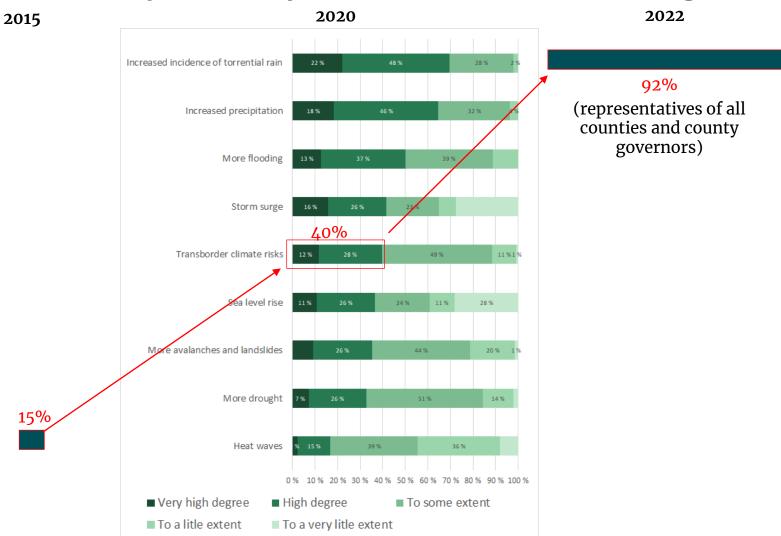


## Conclusions from the national audit report

- The number of buildings within mapped hazard zones **will increase** as a result of climate change.
- The Norwegian government authorities do **not** have the necessary **overview** of the risks of natural disasters in a future climate.
- Existing built-up areas are **not being adequately protected** from the effects of future climate change.
- The Ministry of Transport **lacks an overview** of the existing transport infrastructure's vulnerability to future climate change.
- Key ministries do **not have good enough information** to be able to assess the status of climate change adaptation in Norway.
- The reporting in the Ministry of Climate and Environment's annual budget proposal does **not provide information** on goal attainment or known challenges.
- The work on climate change adaptation between national authorities is **weakly coordinated**.



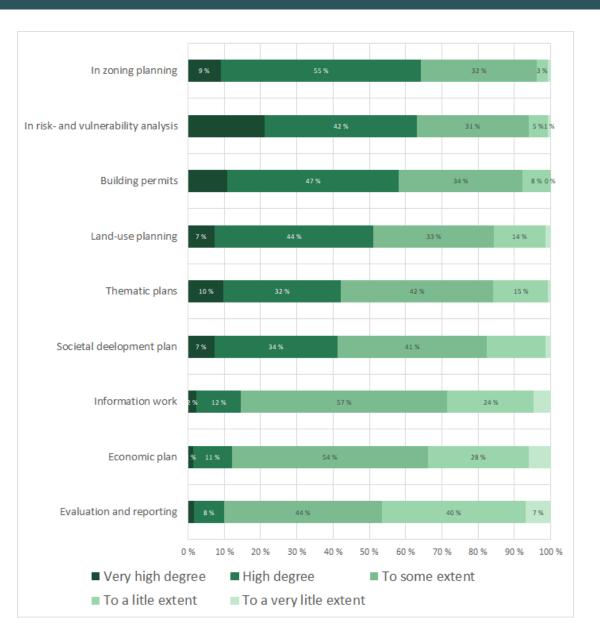
# **Q: To what extent do you think that the municipality** (county in 2022) will be affected by various aspects and effects of climate change?





#### VESTLANDSFORSKING

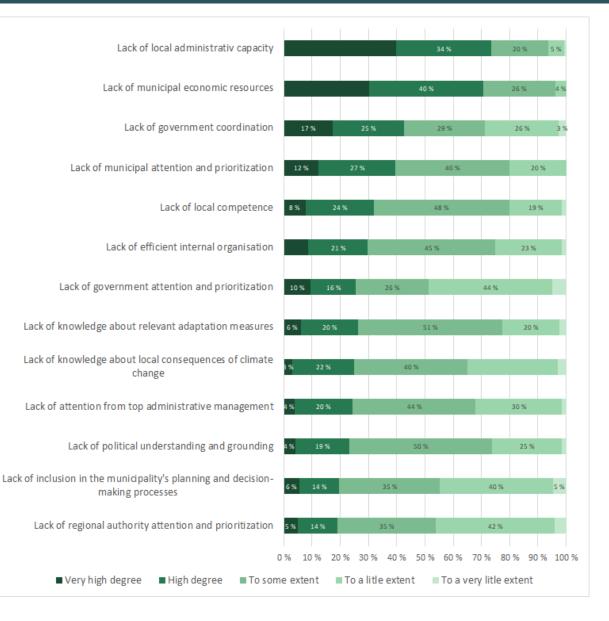
Q: To what extent is the work on climate change adaptation integrated into the municipality's management system?





#### VESTLANDSFORSKING

Q: What are the barriers in the municipality's work with climate change adaptation?





# Input from Noradapt to the ongoing process of making the second government white paper on climate change adaptation (2023)

- **1.** From 'incremental adjustment' to 'transformation'
- 2. Climate change adaptation must not conflict with other sustainability goals
- **3.** Radical increase in resource use
- 4. Radical strengthening of cross-sectoral work
- 5. Avoid mal-adaptation and mal-mitigation
- 6. Include addressing cross-border climate risk
- **7.** From effect- to cause-oriented policy focus
- 8. Protec 30-50% of remaining natural areas
- 9. Strengthen the evaluation of climate change adaptation
- **10.** Make adaptation- and mitigation-plans in one process

## Thank you for your attention!

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