

REGIONAL GREEN AIRPORTS SEMINAR

Hosted by the Ministry of Transport of the Republic of
Uzbekistan

Norwegian perspectives on Climate Adaptation
and resilience
Session 9





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I DON'T BELIEVE IN
GLOBAL WARMING
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Presentation overview

01

Avinor

02

What is climate risk?

03

Climate change in Norway

04

Climate change in Uzbekistan

05

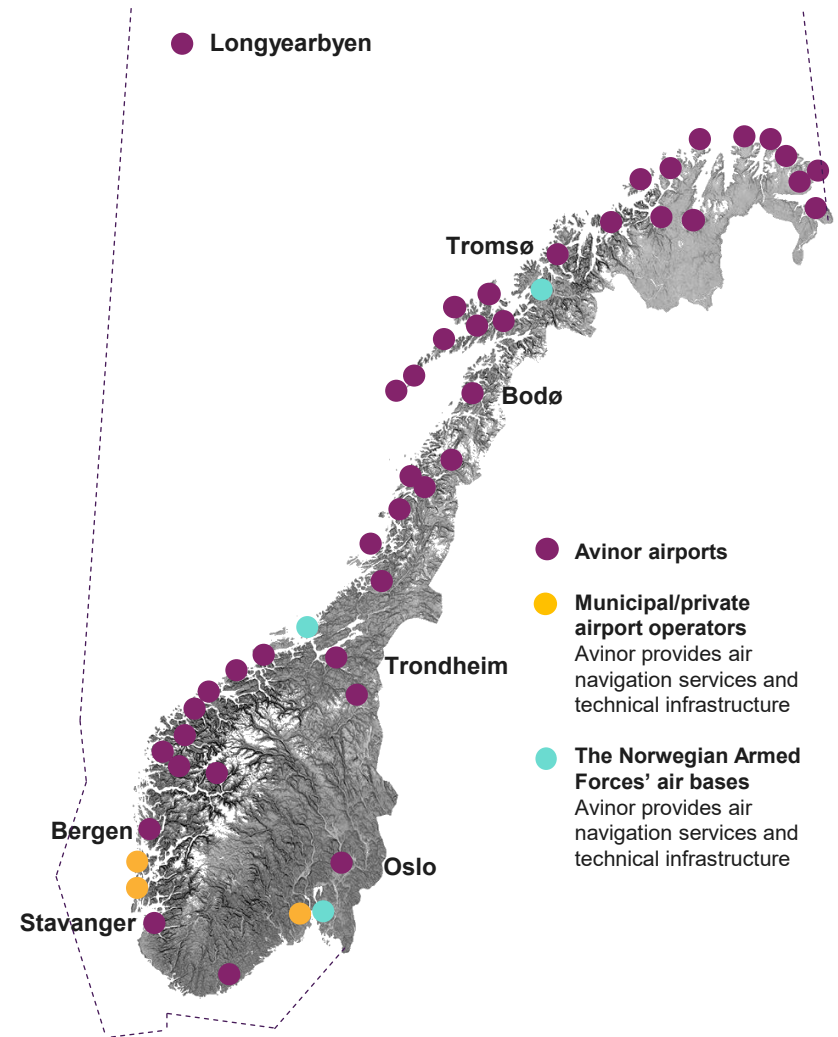
Tools for analysis

06

Next steps

01 Avinor

- State owned
- Operating 43 airports in Norway
- Air Navigation Services Provider (ANSP) in Norwegian Airspace



02 What is climate risk?

- Physical risk/Climate adaptation (but also transition risk – not covered here)
- The climate is changing – and to ensure safe and reliable air transport, airport operators must adapt
- Our start was in 2000 when the Royal Norwegian Ministry of Transport challenged the transport sector to analyse how the future climate would affect transport infrastructure in Norway. This was our first of many analyses
- Aviation is already a risk averse business and perhaps better suited to adapt than other sectors
- However, well planned initiatives today can save on future costs

03 Climate change in Norway

- Warmer
- Wetter
- Wilder

Warmer

- Svalbard: Melting permafrost. Settling damages on RWY and buildings
- Mainland: Increased use of de-icing chemicals. Issues with environmental permits



Wetter

- Drainage systems for buildings and RWYs/TWYs
- Surface access



Wilder

- Wave protection
- Storm defences
- Design and maintenance requirements for buildings and RWYs/TWYs
- Navigational aids



04 Climate change in Uzbekistan

- Water scarcity
- Land degradation
- Desertification
- Air pollution
- Extreme heat impacts

(Very different from our challenges..)

05 Tools for analysis

- Carry out a risk assessment for your airports and your situation
- We have over the years tried various approaches
- TCFD (Task Force on Climate Related Financial Disclosure) provides a comprehensive, but actually quite good framework. Analysis contains
 - 2-3 predefined scenarios (saves a lot of time)
 - 2-3 time frames (short – medium – long term)
 - Chronic and acute risks
 - → Physical Risks – Transition Risks – Opportunities
- Our attempt here: [Avinor Climate Risk Report 2025 \(TCFD\)](#)



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Thank You

