



The role of hydropower in the green shift

Sustainability in Hydropower 2023

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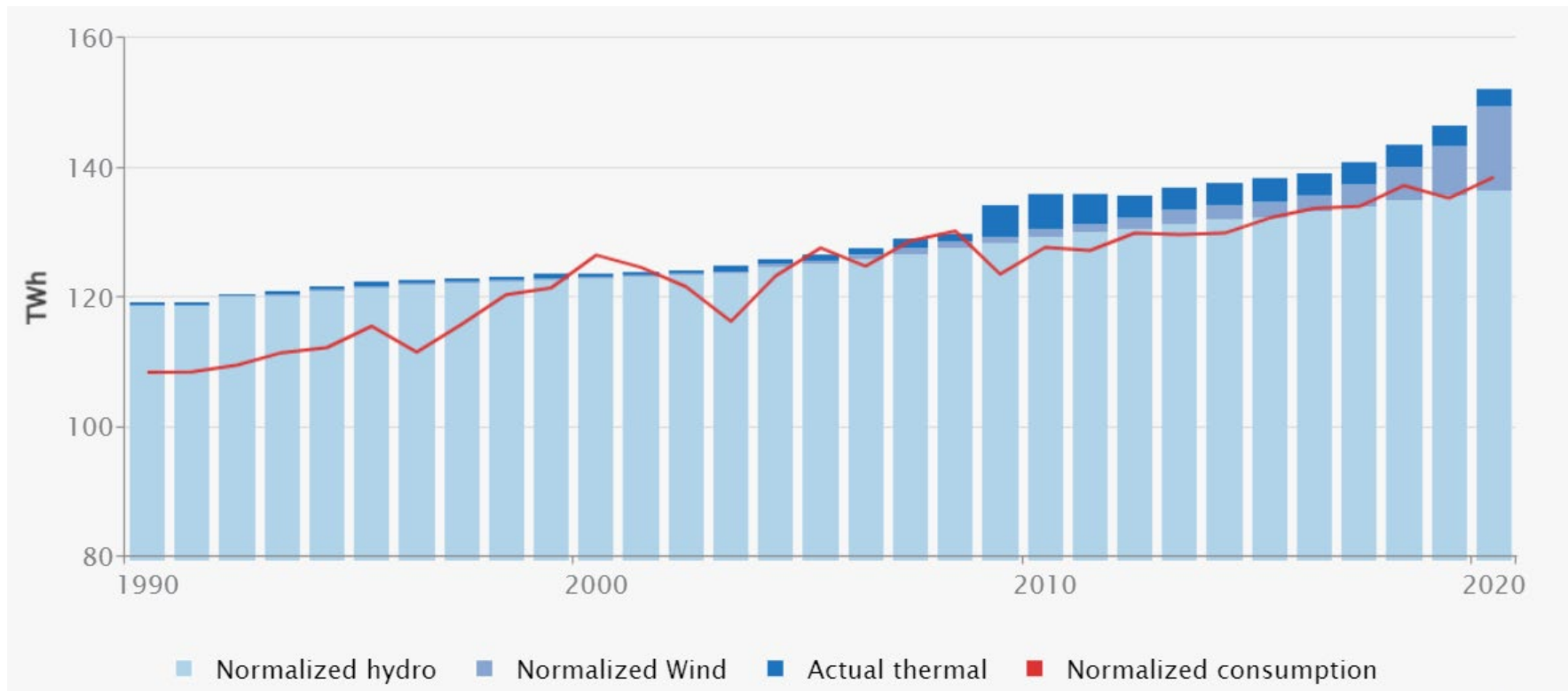
Chief of staff, NVE

13th of June 2023



Norway - Energy facts

- Total power production 155 TWh
- Total installed capacity 38 800 MW
- Typical consumption is 140 TWh/year
- Total reservoir capacity 87 TWh



A more weather-dependent European power system could cause capacity shortages in several countries at the same time

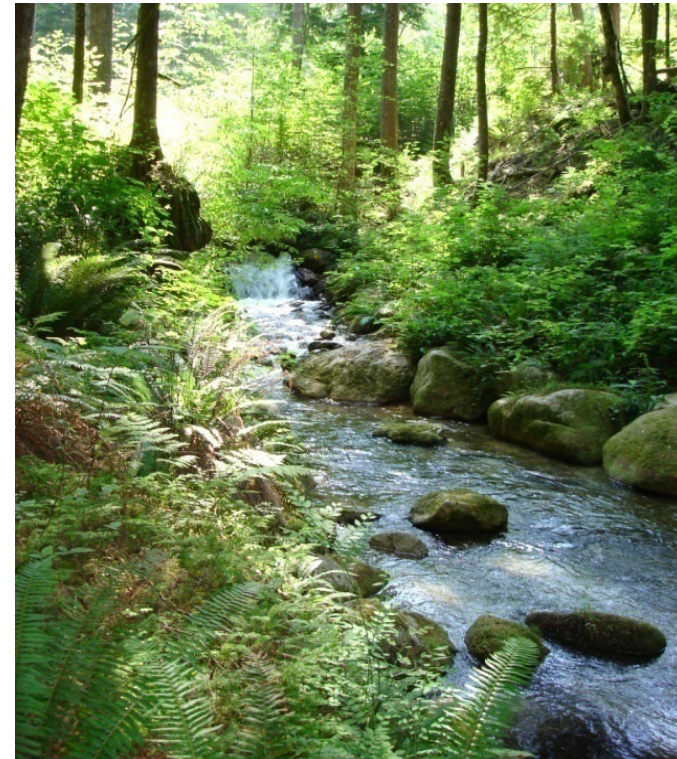


Need to ensure more flexible production
to balance the power system in the future



Tools for a sustainable hydropower sector

- A good legislative framework and administration with power to enforce relevant licensing conditions
- Protection plans for watercourses
- Environmental supervision, from planning to operation
- European water framework directive



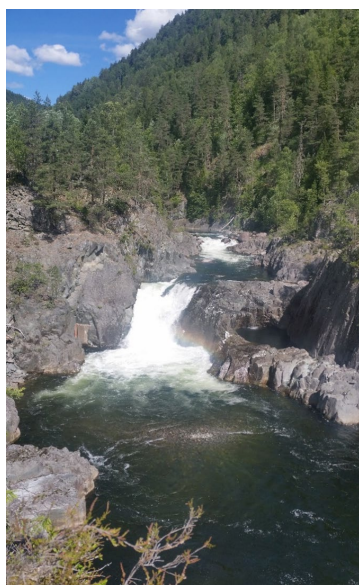


Status - New hydropower



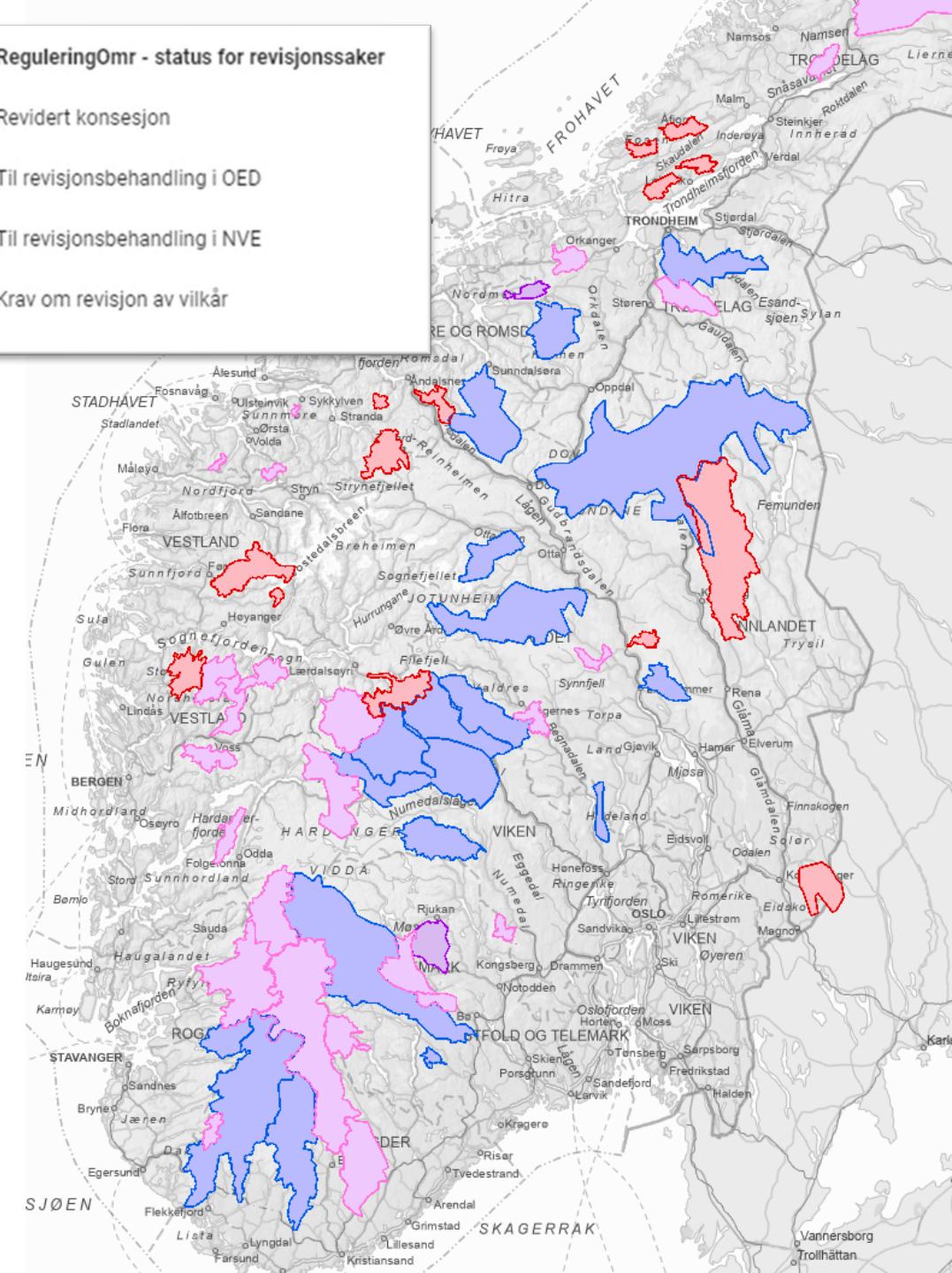


Revision of licensing terms



ReguleringOmr - status for revisjonsaker

- Revidert konsesjon
- Til revisjonsbehandling i OED
- Til revisjonsbehandling i NVE
- Krav om revisjon av vilkår

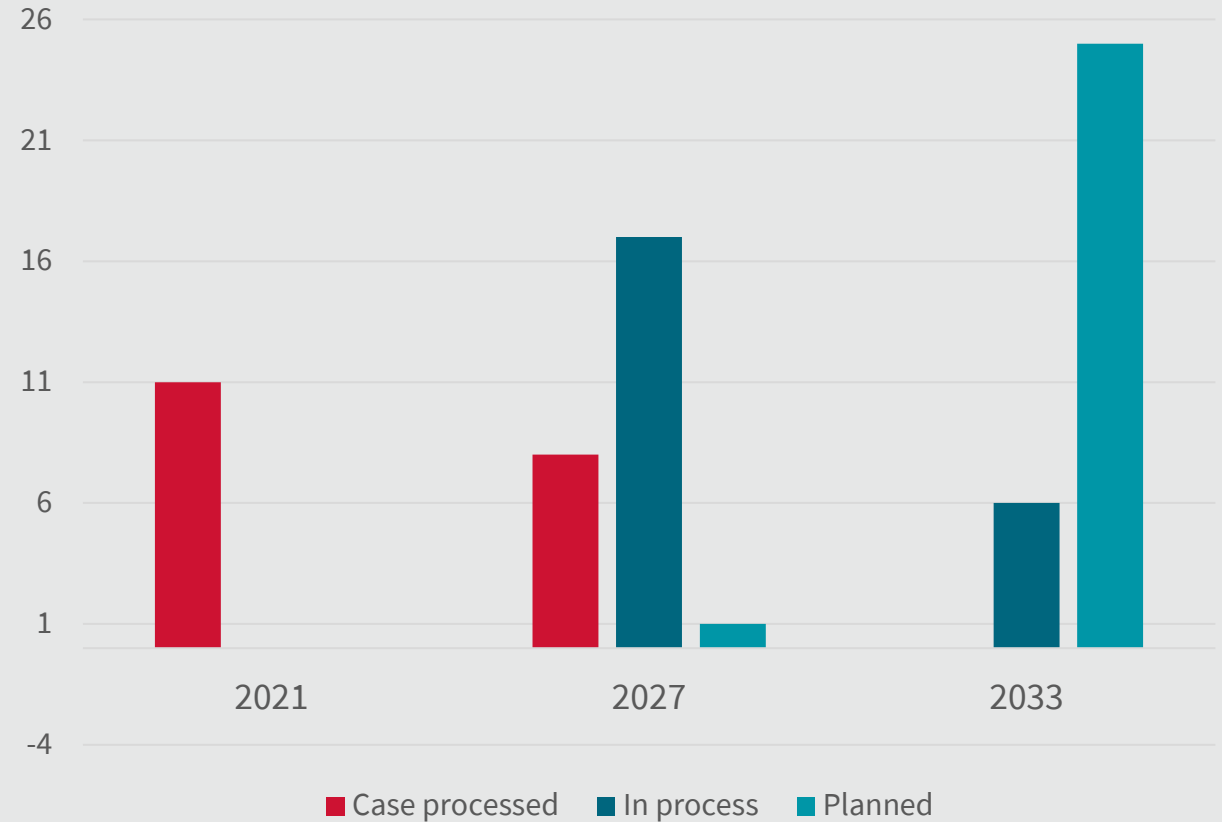




The European water framework directive

- Integrated in NVEs license processing
- NVE gives priority to achieving environmental objectives in regulated rivers

Cases and environmental objectives



An aerial photograph of a town nestled in a valley. The town features a mix of residential houses and larger industrial-style buildings. A prominent road winds through the town and up the surrounding hills. The landscape is dominated by steep, forested mountains with patches of green and brown. A large body of water, possibly a fjord or lake, is visible on the left side of the image. The sky is blue with some light clouds.

THANK YOU FOR YOUR ATTENTION