



State of the Kingdom

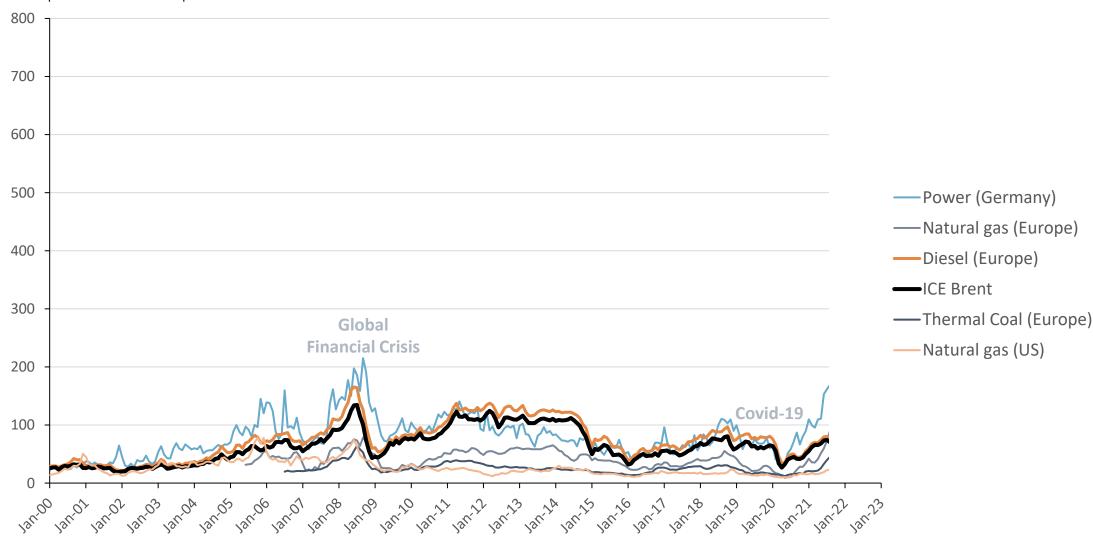
Simon Sjøthun

Operatørkonferansen 2022

The energy markets are used to ups and downs...

Select energy commodity prices, monthly averages

USD per barrel of oil equivalent





...but the current situation can surely qualify as a «crisis» and not a cycle

Select energy commodity prices, monthly averages

USD per barrel of oil equivalent



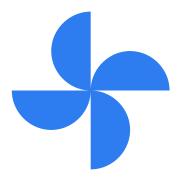


RYSTAD ENERGY W E E K

Norway has once again won the lottery!







Oil is trading around 100 USD/bbl

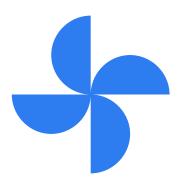
Gas is trading at off the scale levels

Dispatchable hydro power is extremely valuable









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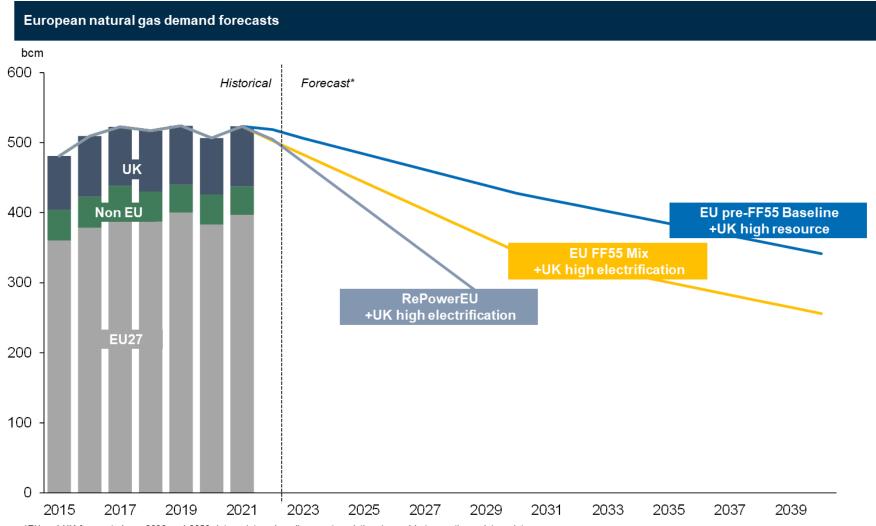
Dispatchable hydro power is extremely valuable







Study assumes demand reductions from 520 bcm to 260 or 340 bcm by 2040

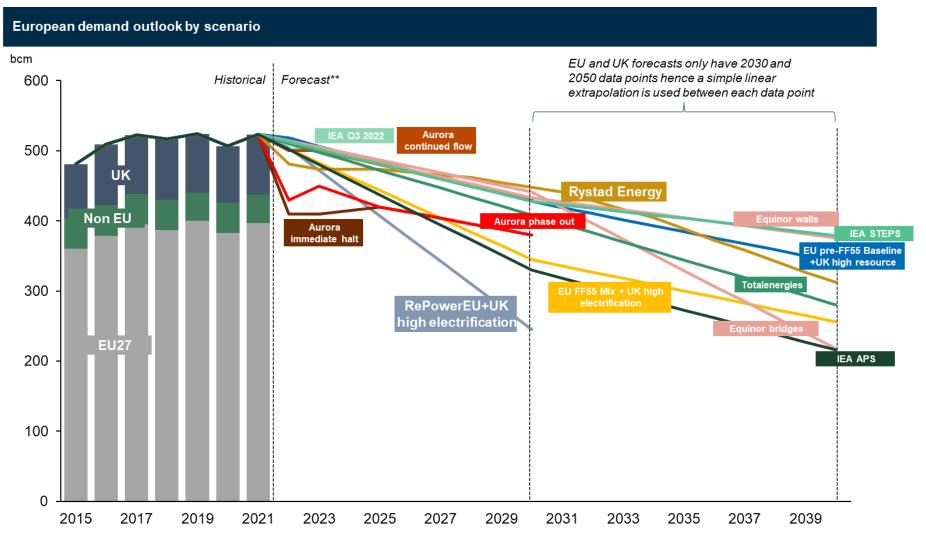


*EU and UK forecasts have 2030 and 2050 data points only; a linear extrapolation is used between these data points
Source: Rystad Energy research and analysis, Rystad Energy GasMarketCube, European Commission, UK Department for Business, Energy & Industrial Strategy





Post conflict consensus seems to be far above RePowerEU ambitions



Countries included in the scope are: EU, UK, Norway, Albania, Moldova, Montenegro, North Macedonia, Serbia, Switzerland, Ukraine
IEA, Equinor and Totalenergies uses relevant growth rate for outlook – geographic coverage is not exactly 1 to 1 with historical data points
Source: Rystad Energy research and analysis, Rystad Energy GasMarketCube, European Commission, UK Department for Business, Energy & Industrial Strategy

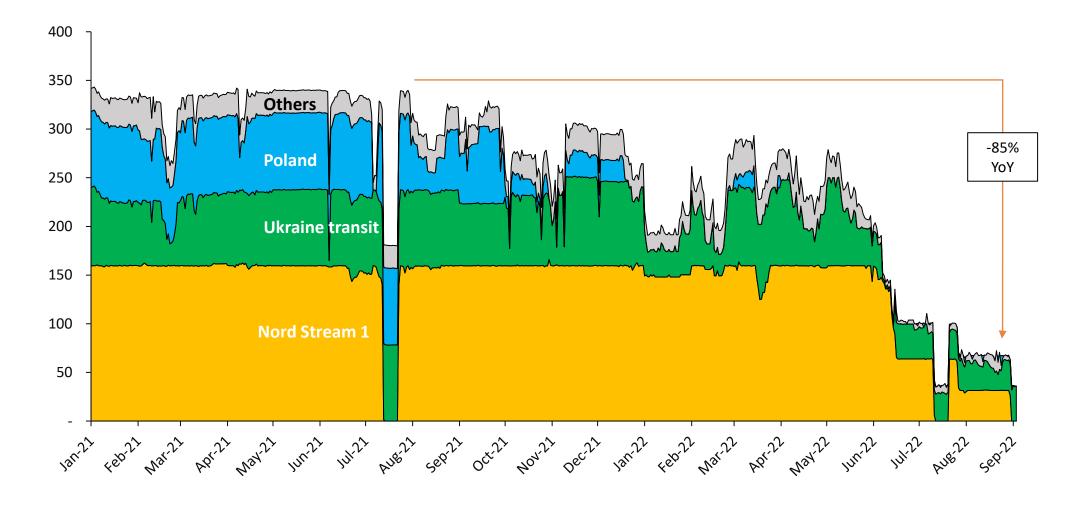




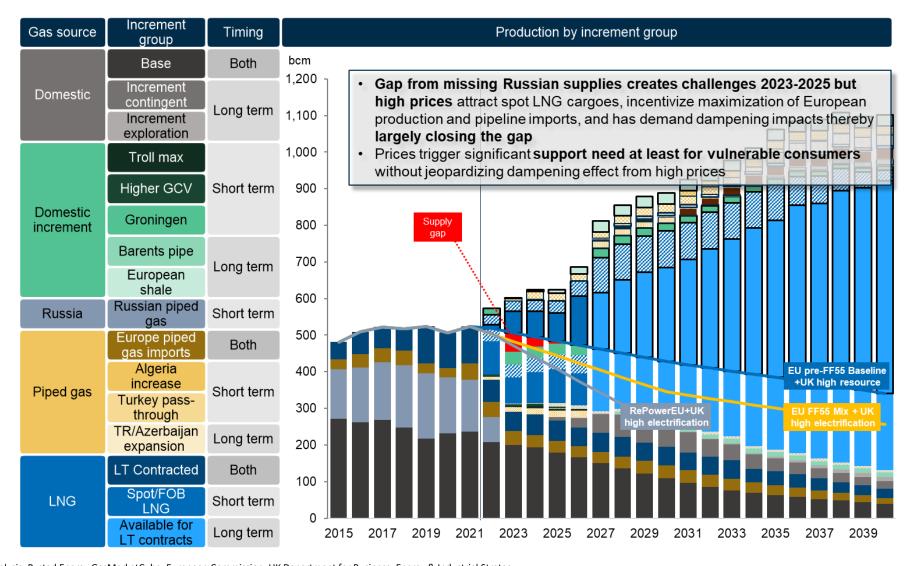
Russian gas exports has dropped 85% YoY in September 2022

Russian gas exports to Europe through main pipelines

Million cubic meters per day



No Russian supplies as of 2023 creates supply gap in 2023 - 2025



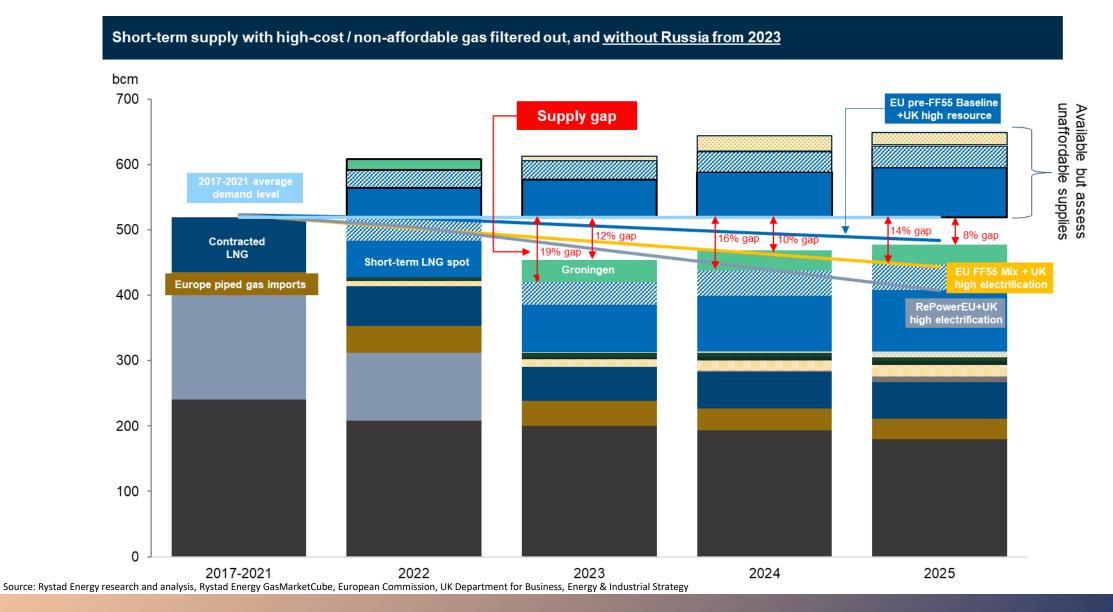








Possible supply gap of up to 19% in the next years unless demand is adjusted

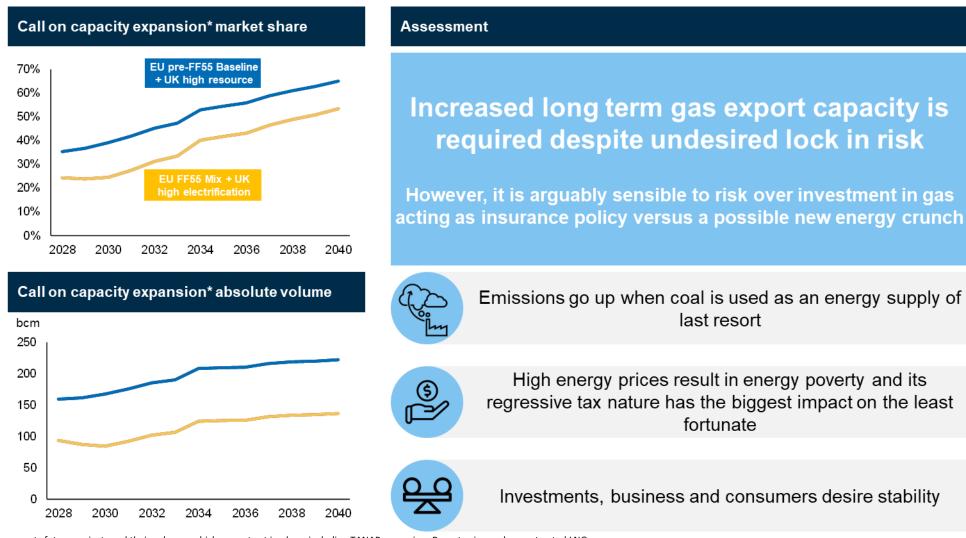








Long-term new capacity expansion is required and could act as a future insurance policy



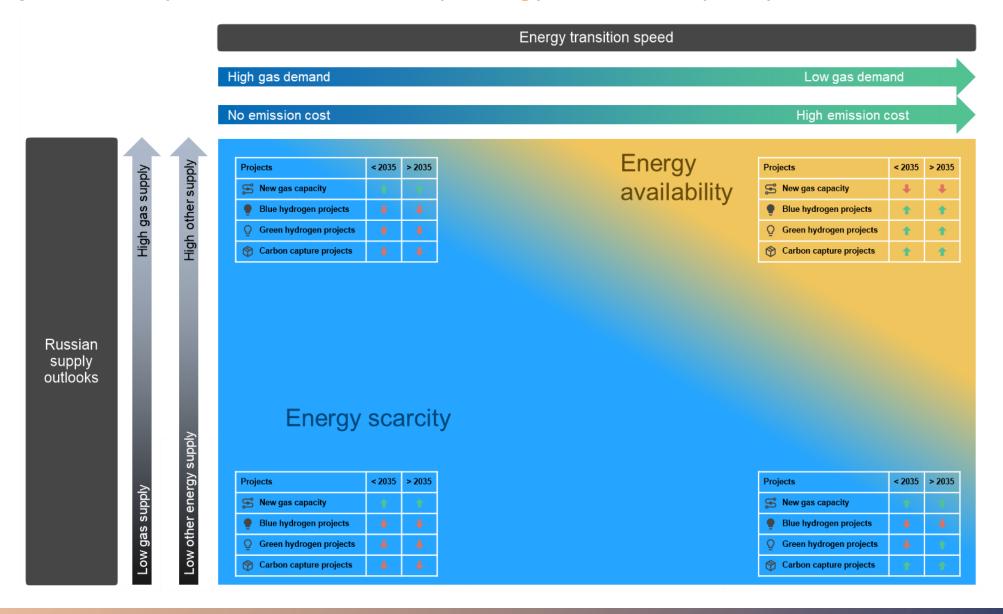
^{*} Capacity expansion represents future projects and their volumes which are not yet in place, including TANAP expansion, Barents pipe and uncontracted LNG Source: Rystad Energy research and analysis







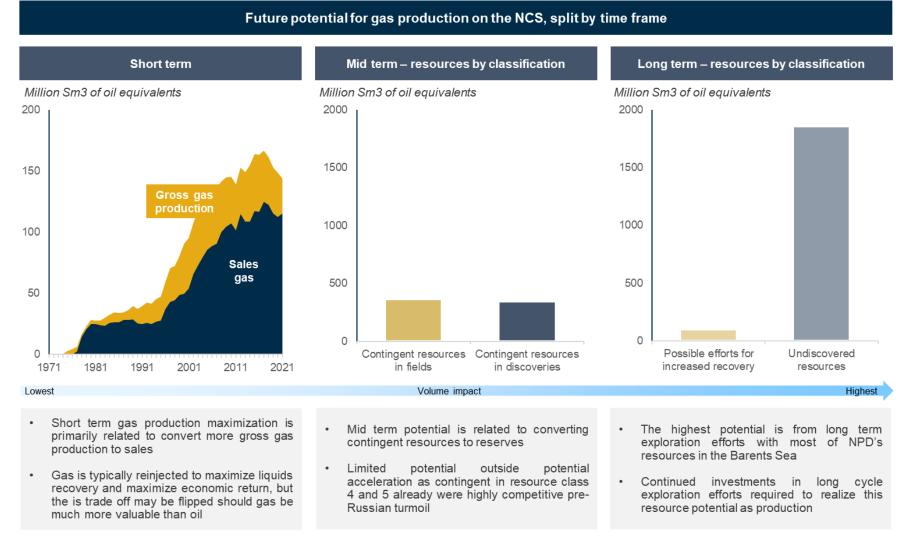
Project viability will be influenced by energy access and policy





Limited incremental volume impact from short and mid term resources

- More and higher risk exploration is the only way to see significant incremental reserves



Source: Rystad Energy research and analysis, Norwegian Petroleum Directorate

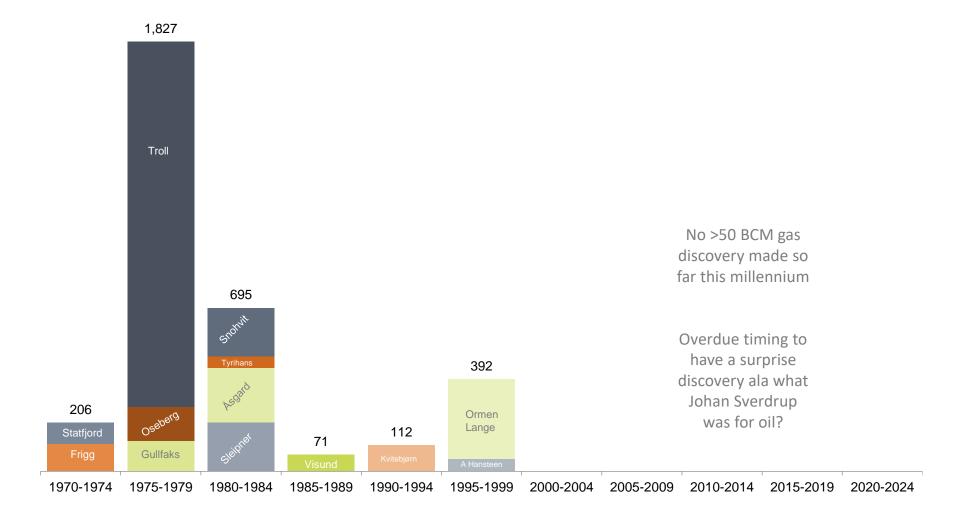






But no sizeable gas discoveries made this millennium

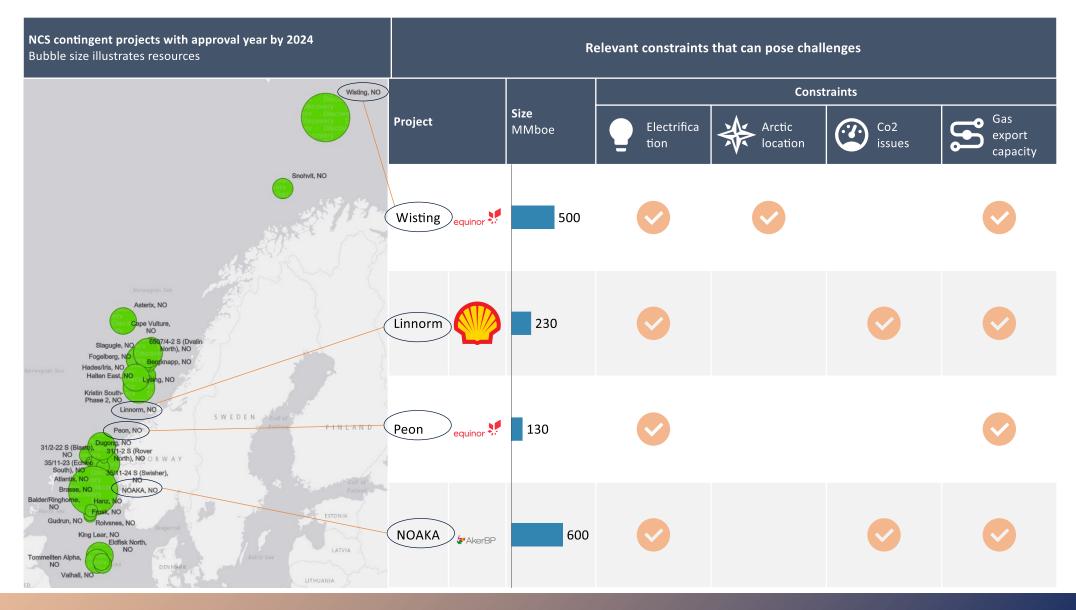






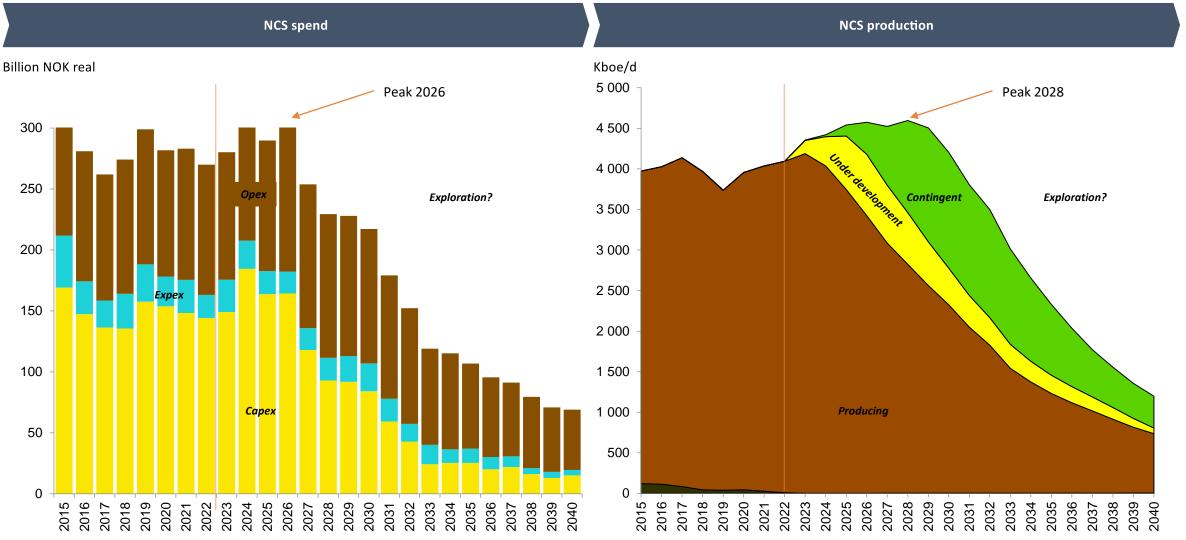
And we struggle to get some of the biggest discoveries off the ground

Source: UCube





Implying limited change to prevailing outlook on NCS spend and production





New markets needs to be accessed to maintain spending levels

