



3rd Dutch Exploration Day 2018

Jan Willem van Hoogstraten, EBN, 21 November 2018

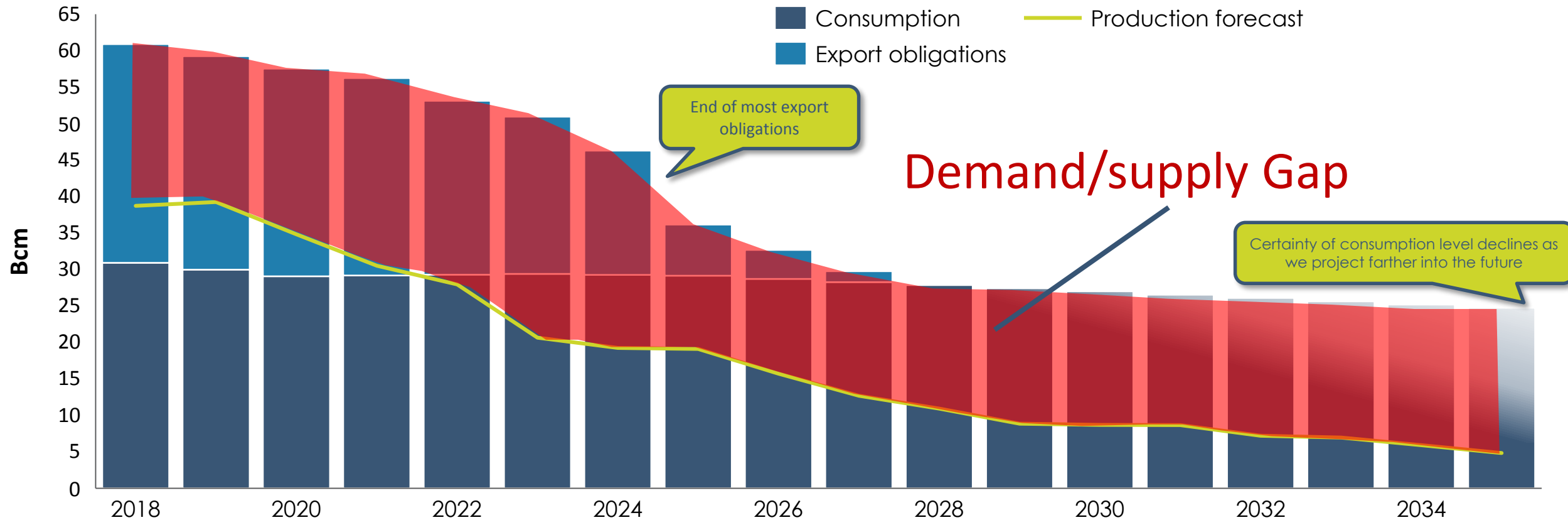
The role of gas in the energy transition



EBN wants to attract investment in underexplored areas to increase production and reduce the gap between gas production and demand

Forecast of gas production and demand in the Netherlands (Bcm)

DEPENDENT ON FUTURE DUTCH POLICY

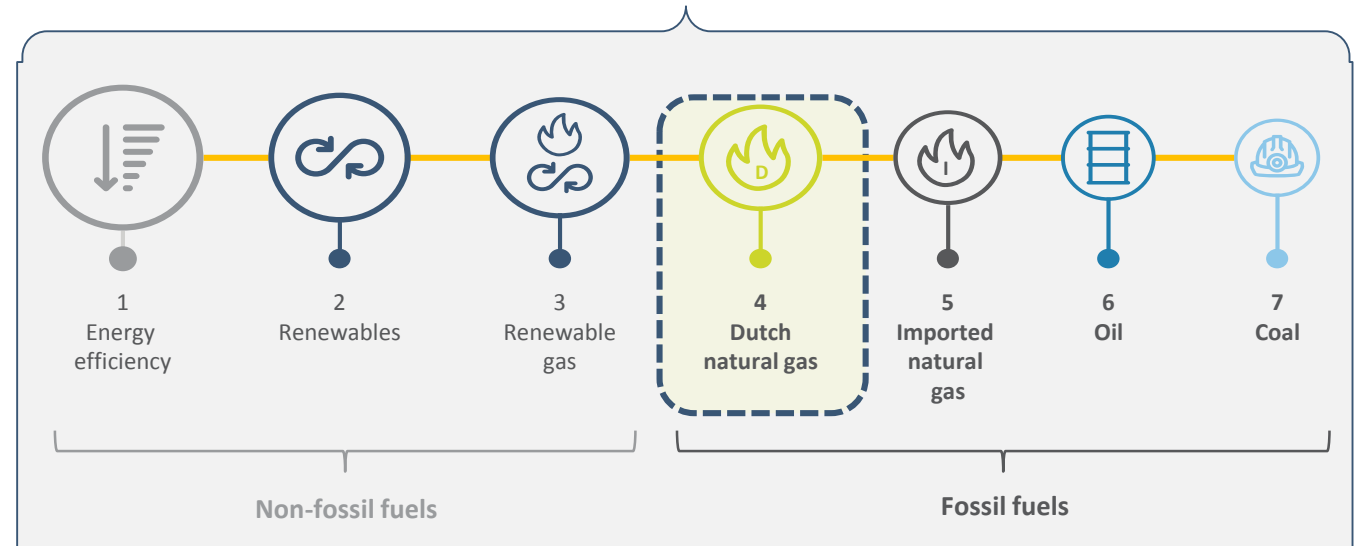


The role of gas in the energy transition

Gas is the coming years a form of energy still needed

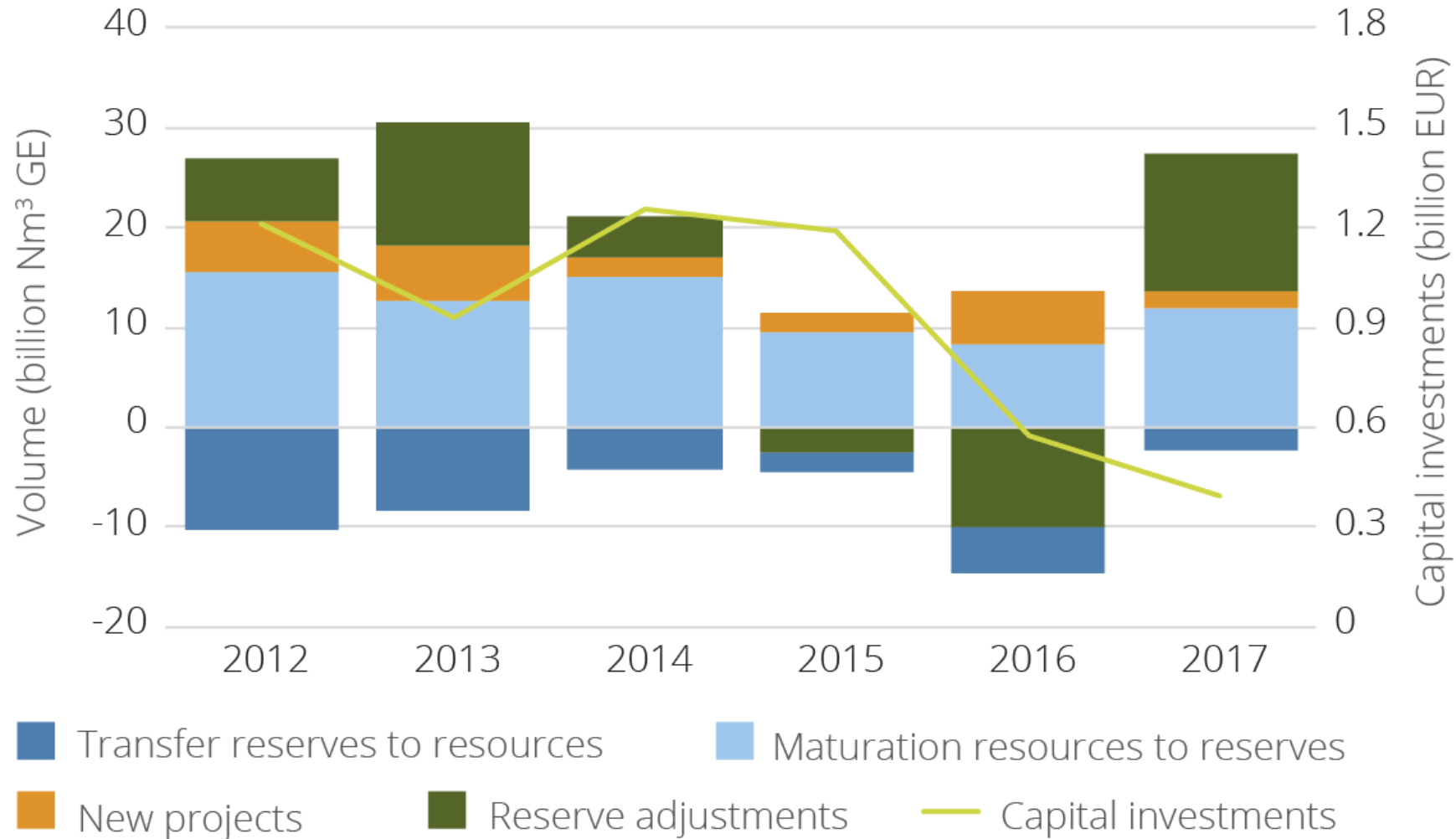
“Producing gas in the Netherlands is, when done safely, better than to import gas”. Partly because the Netherlands will need natural gas for several decades to come (in decreasing amounts). It is better to produce the gas we need ourselves as a country because this is:

- ❖ Better for the climate
- ❖ Better for employment opportunities and the economy
- ❖ Better for the preservation of knowledge of the subsurface
- ❖ Better for the preservation of gas infrastructure
- ❖ Better geopolitically



Maturation, resources to reserves

Changes in reserves & capital investments for small fields
(EBN participations, 100%)

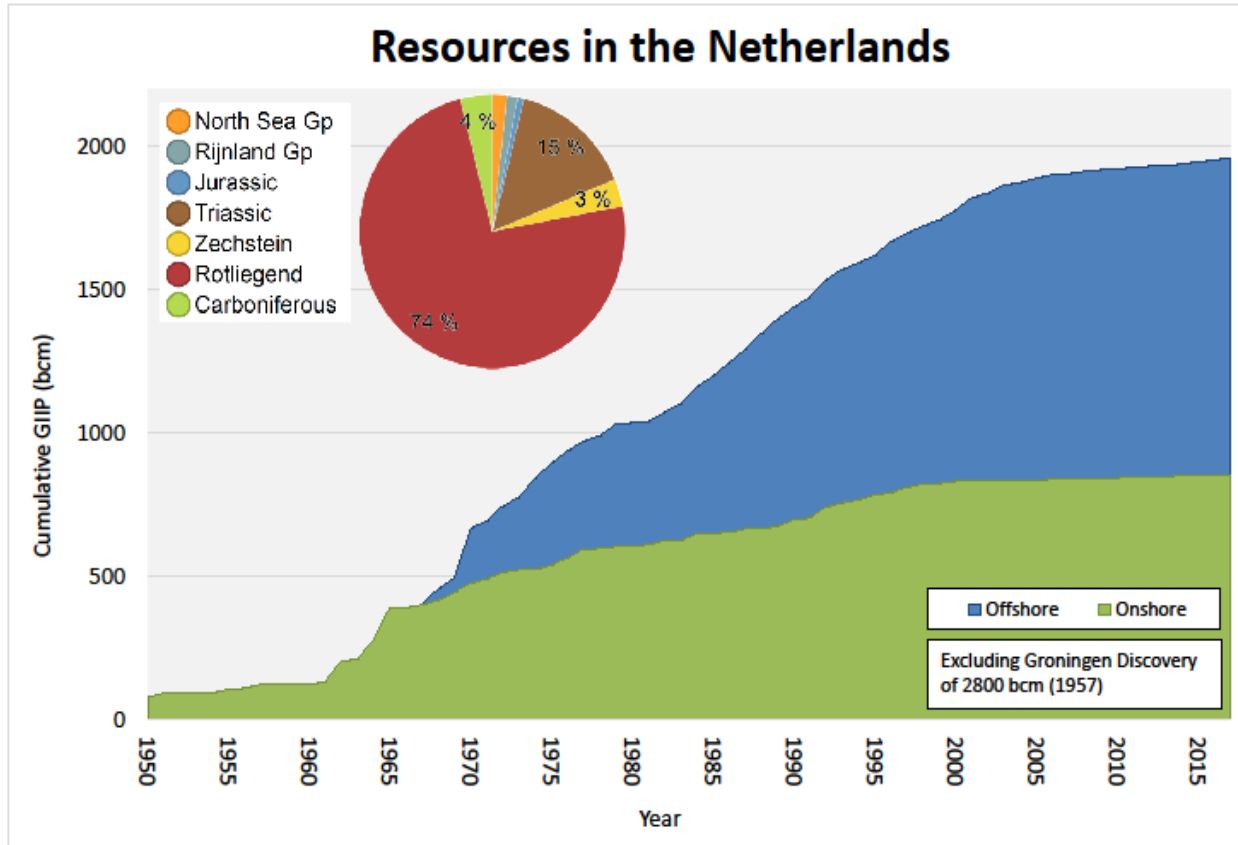




Dutch Exploration Day

Eric van Ewijk, 21 November 2018

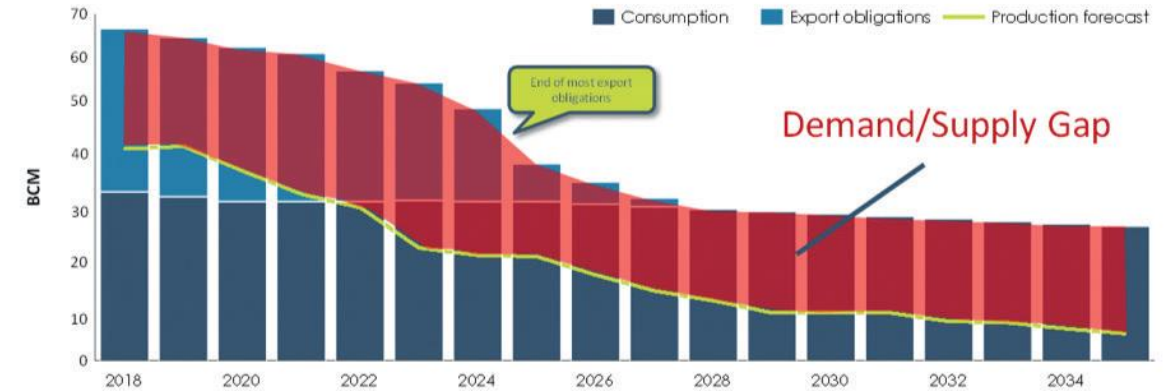
Dutch Resources



Need for exploration

- Natural gas is needed for the transition to sustainable energy sources
- CO2 footprint domestic gas is lower than from imported gas

Forecast of gas production and demand (BCM)

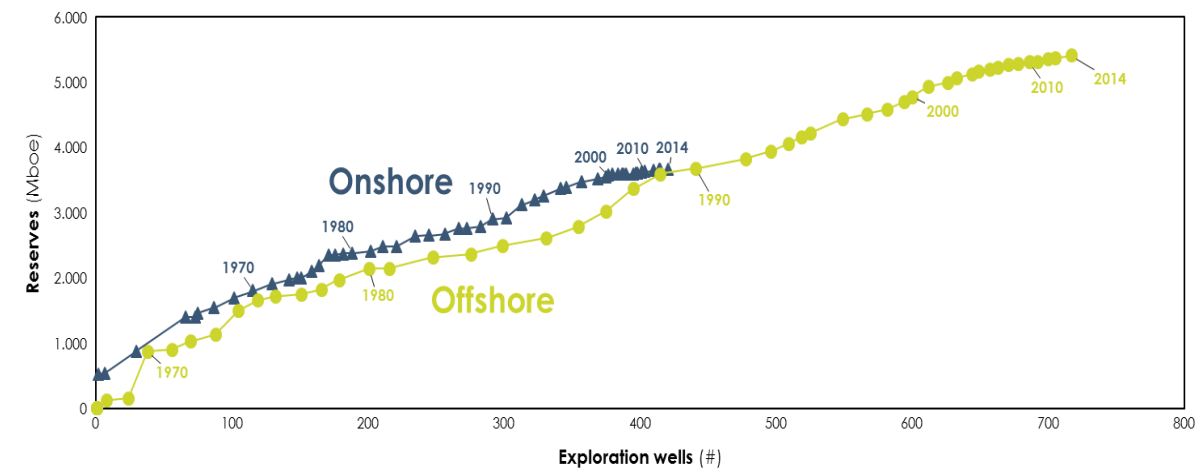


The Netherlands

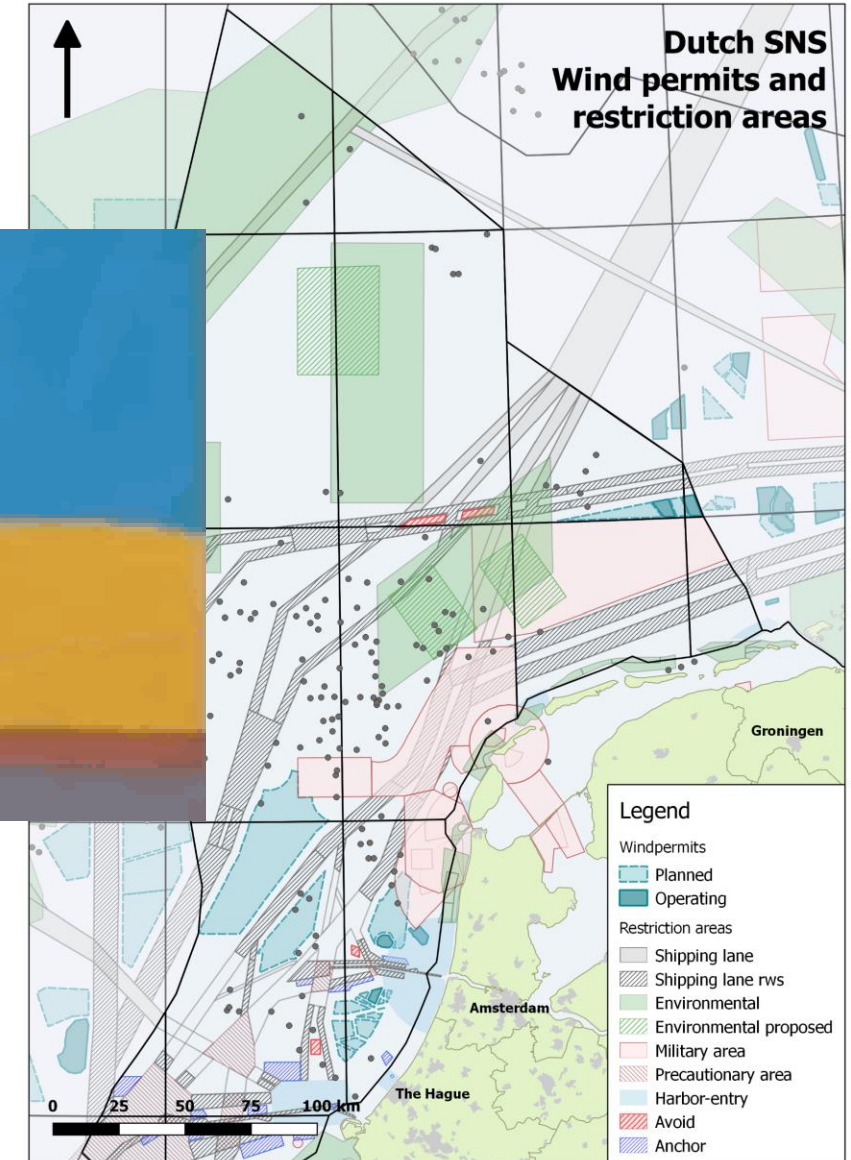
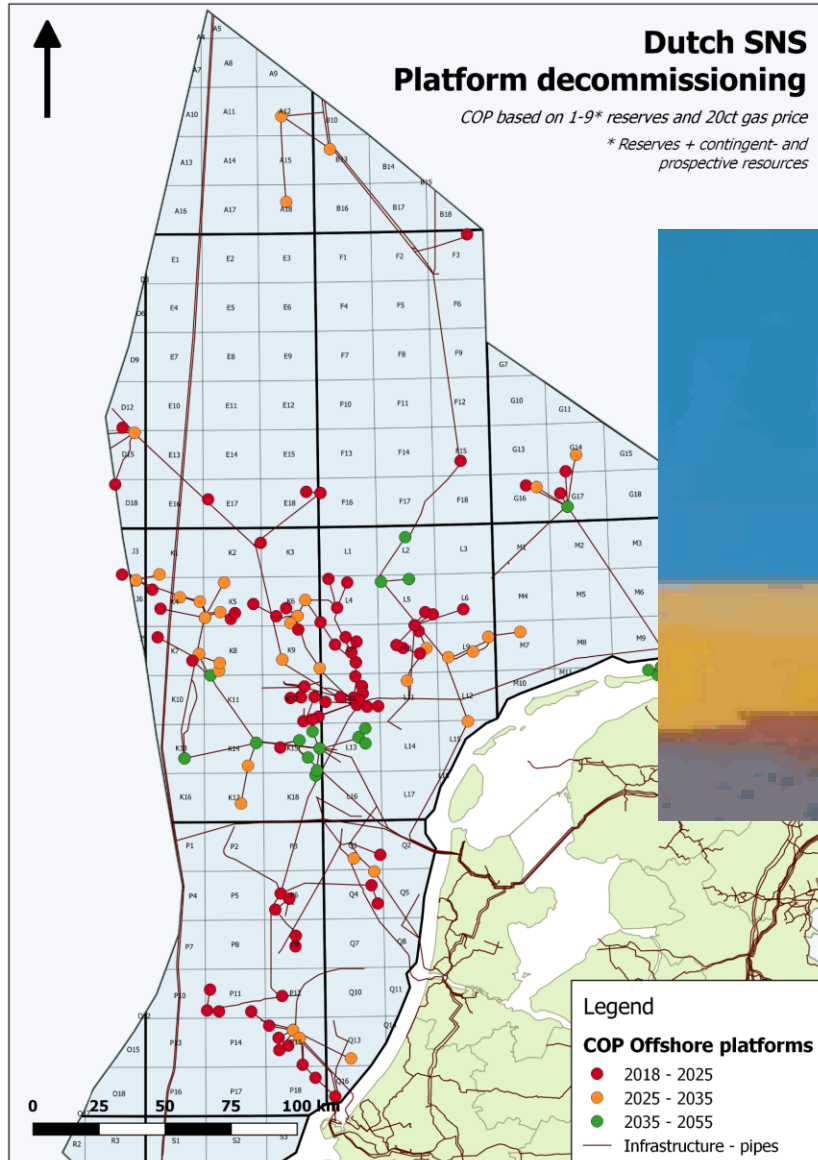
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Creaming curve of the Dutch hydrocarbon reserves (Mboe)



The Need for Speed

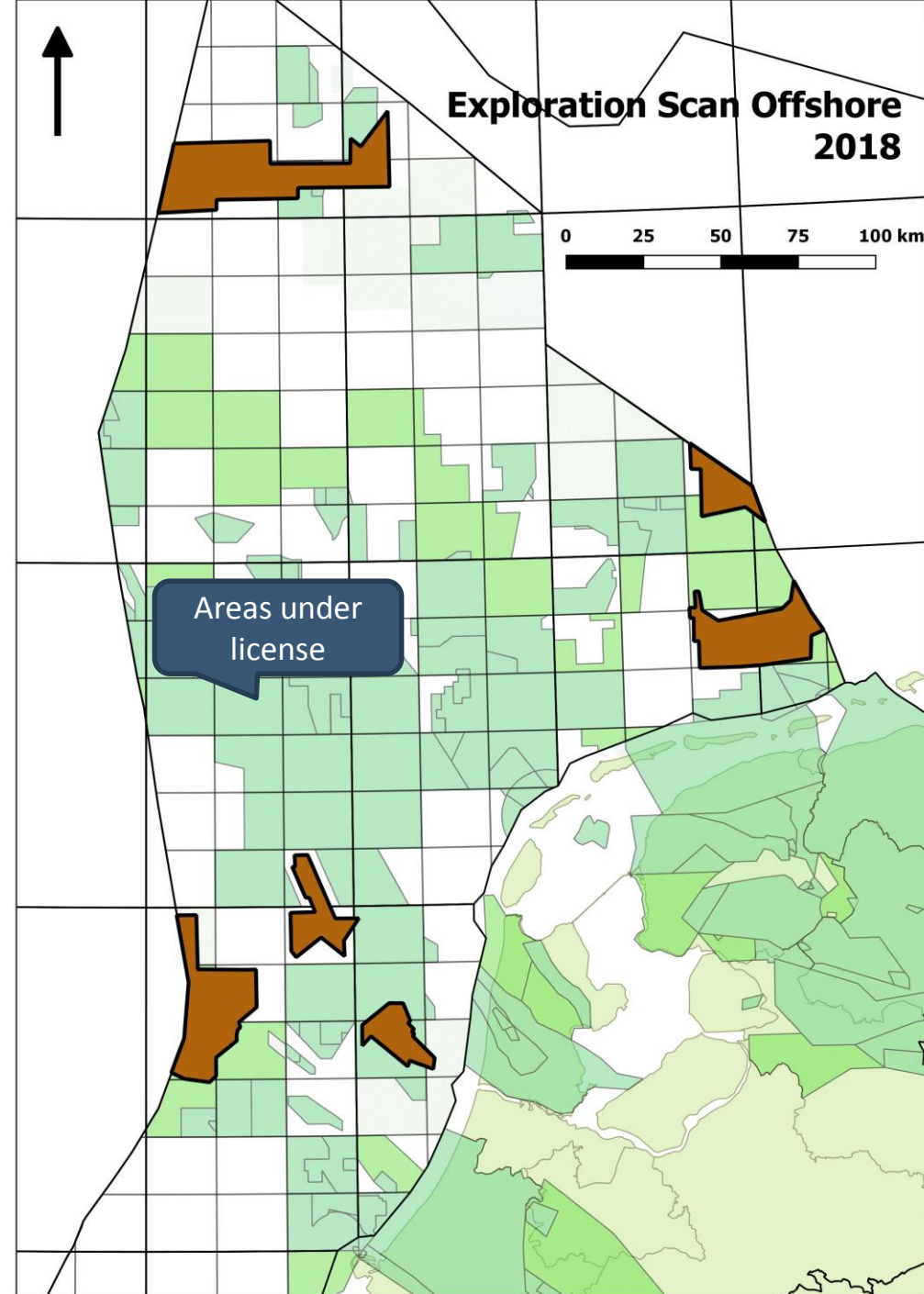


Exploration scan offshore

- EBN announced a year ago to consider taking up an active role in the acquisition of 3D seismic data in areas where currently only 2D data is available.
- A prospectivity review of these areas was carried out to identify threats (foreseen abandonment of infrastructure, construction of windparks) and opportunities (Expectation Value, or EXP).

CONCLUSIONS

- Areas with high EXP are currently already being addressed by operators. Those operators (will) receive full support and cooperation by EBN to mature the existing portfolio.
- Areas with medium-level EXP, EBN will further investigate and de-risk these areas based on existing data and knowledge. This might result in proposals to acquire 3D seismic at a later stage
- Areas with low EXP will not receive any further attention now



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