



Energising the Transition

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October 15, 2019



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Dutch energy transition -



1963

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2019

EBN introduction

- 100% State owned
- Non-operating company
- EBN 40-50% share in ~195 participations (Dutch O&G)
- 100+ staff
- Hydrocarbons in the subsurface are State property by law

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Source: EBN publication '2019 Focus'

EBN Strategic Focus

EBN wants to make a significant contribution to society's climate ambitions



Our Dutch Gas

EBN develops solutions to optimise a sustainable and safe exploitation of existing gas fields.

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Return to Nature

EBN co-ordinates the efficient decommissioning or re-use of oil and gas platforms for CCS.

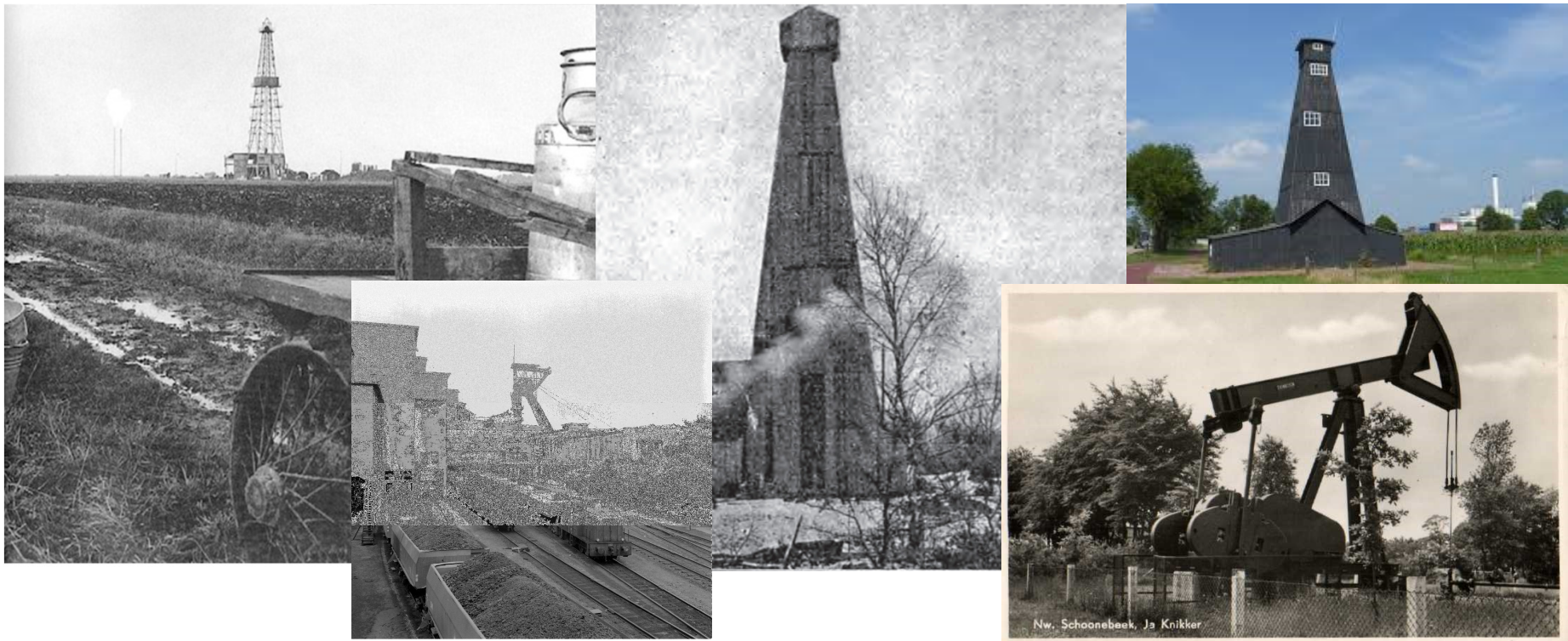
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New Energy

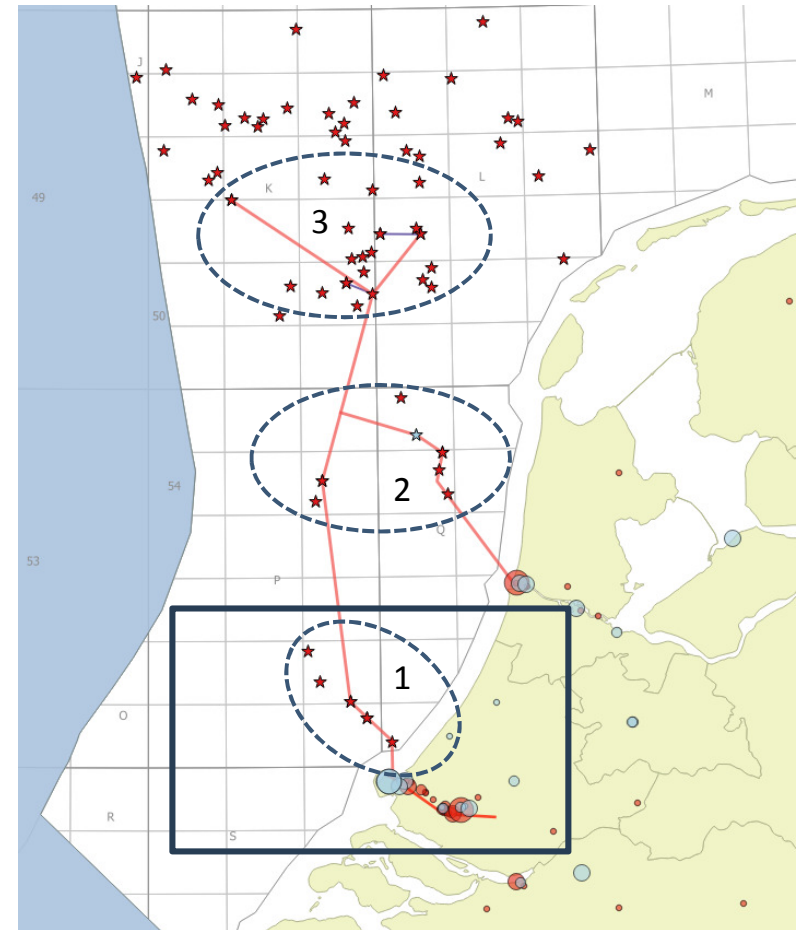
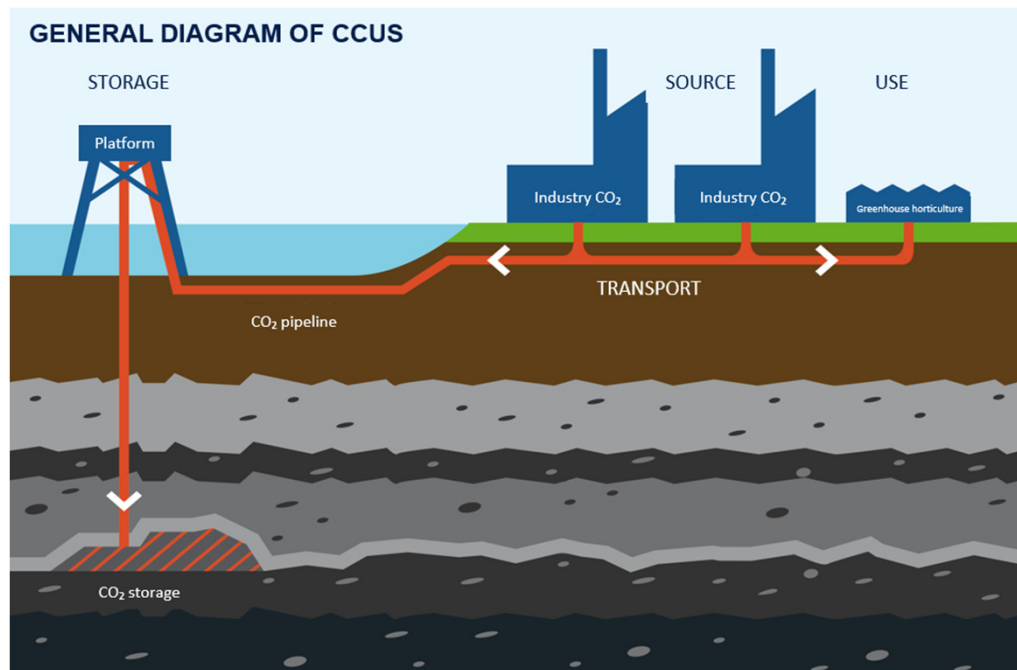
EBN builds partnerships for the efficient exploitation of geothermal energy.

Subsurface resources in The Netherlands

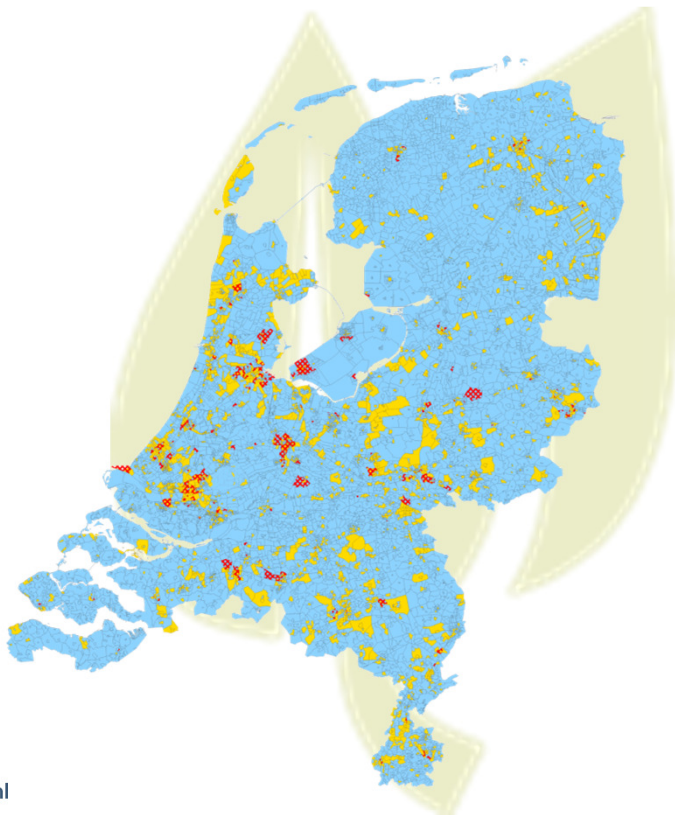


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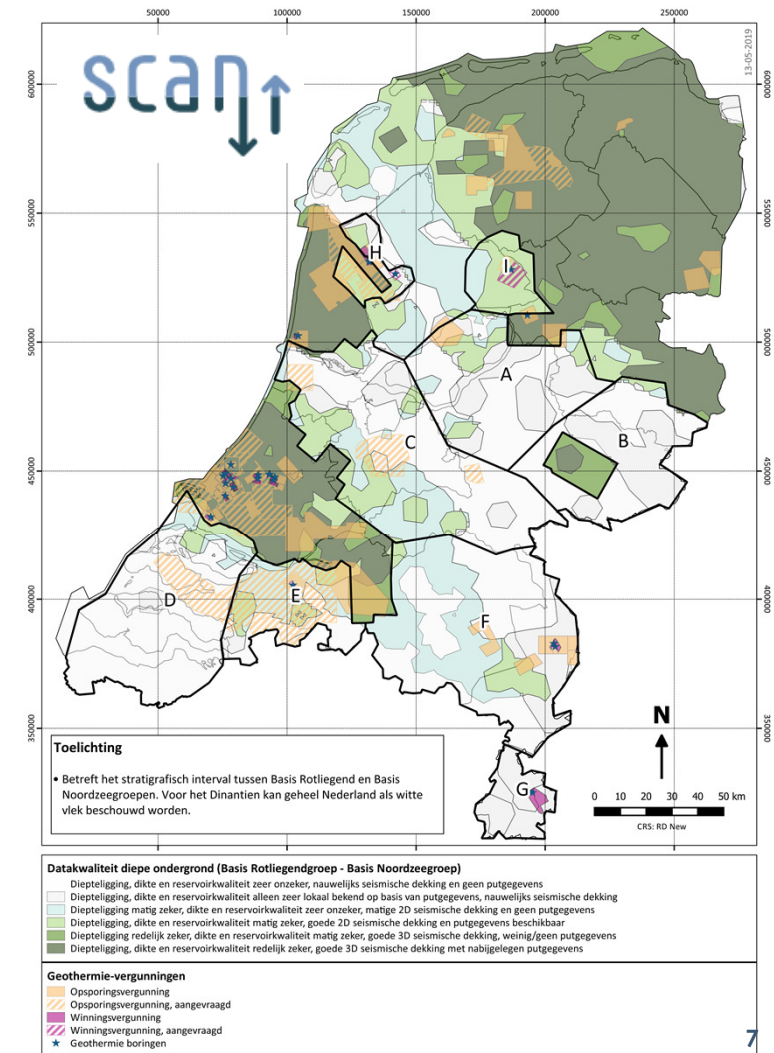


Geothermal heat



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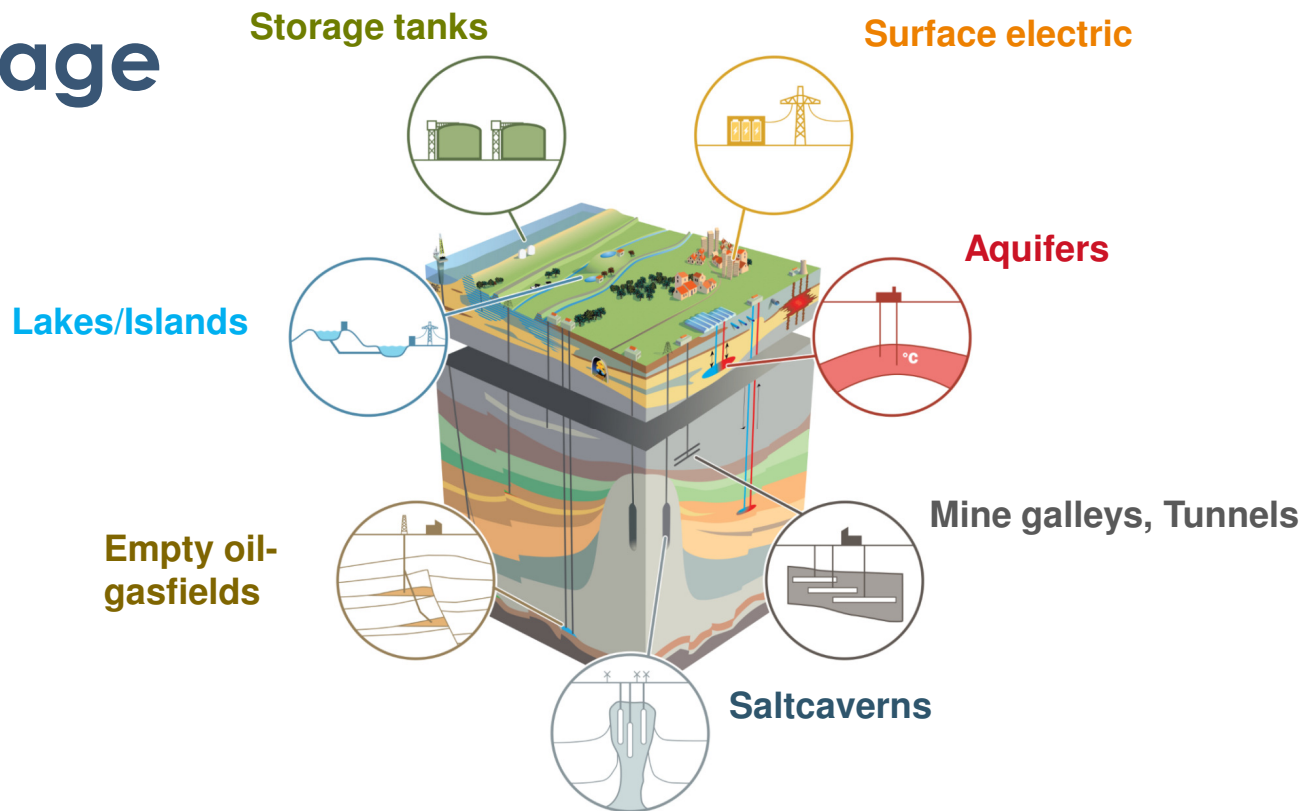
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Energy storage



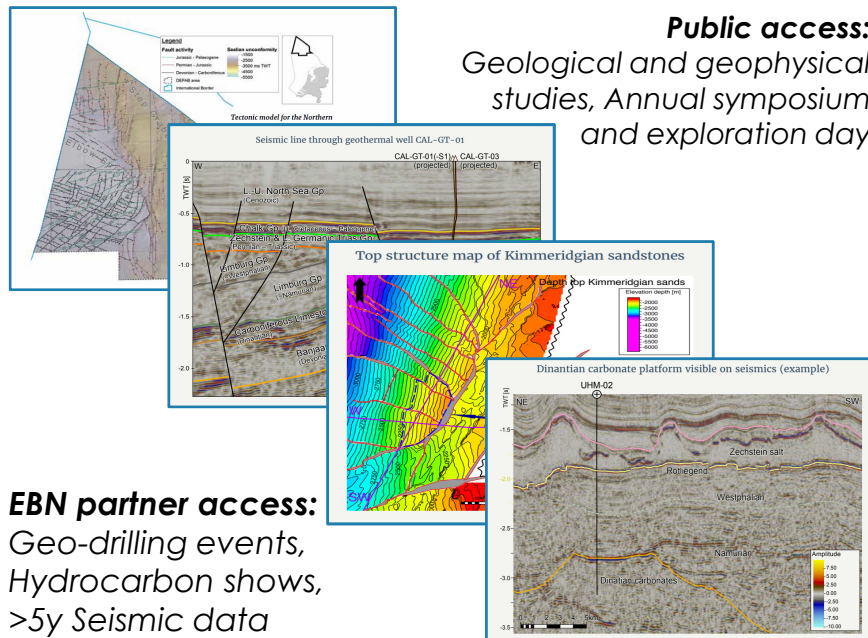
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Source TNO

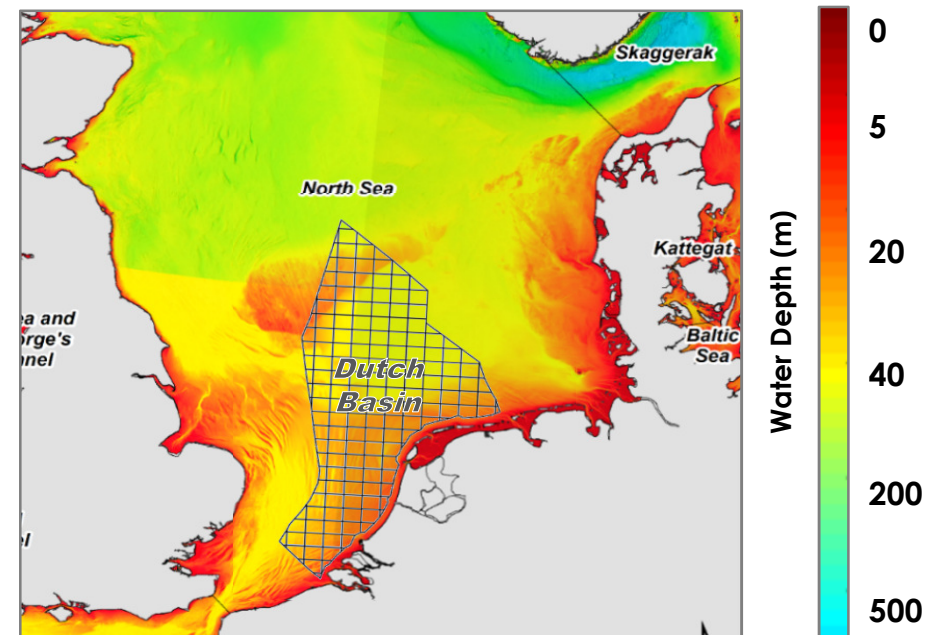
Exploration in the Southern North Sea

Examples of high quality data sharing



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Bathymetry of the Southern North Sea



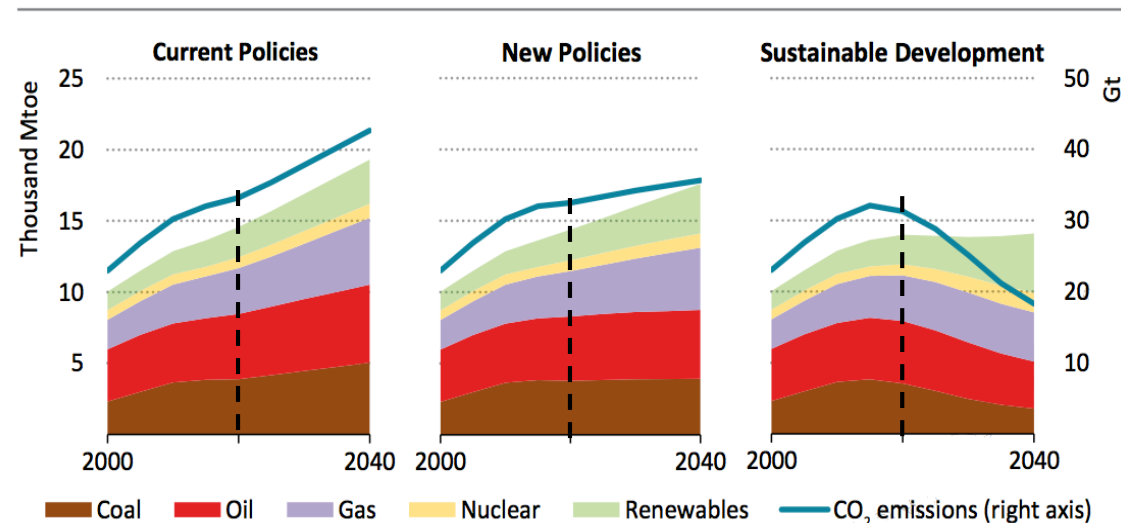
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Impact of the energy transition on subsurface data needs and quality

- Increase of the world energy demand in all scenarios
- Increase of the diversity of subsurface usage and subsurface users

⇒ **The NL NDR is required for future energy needs and should deliver easy access to more, better and richer subsurface data!**

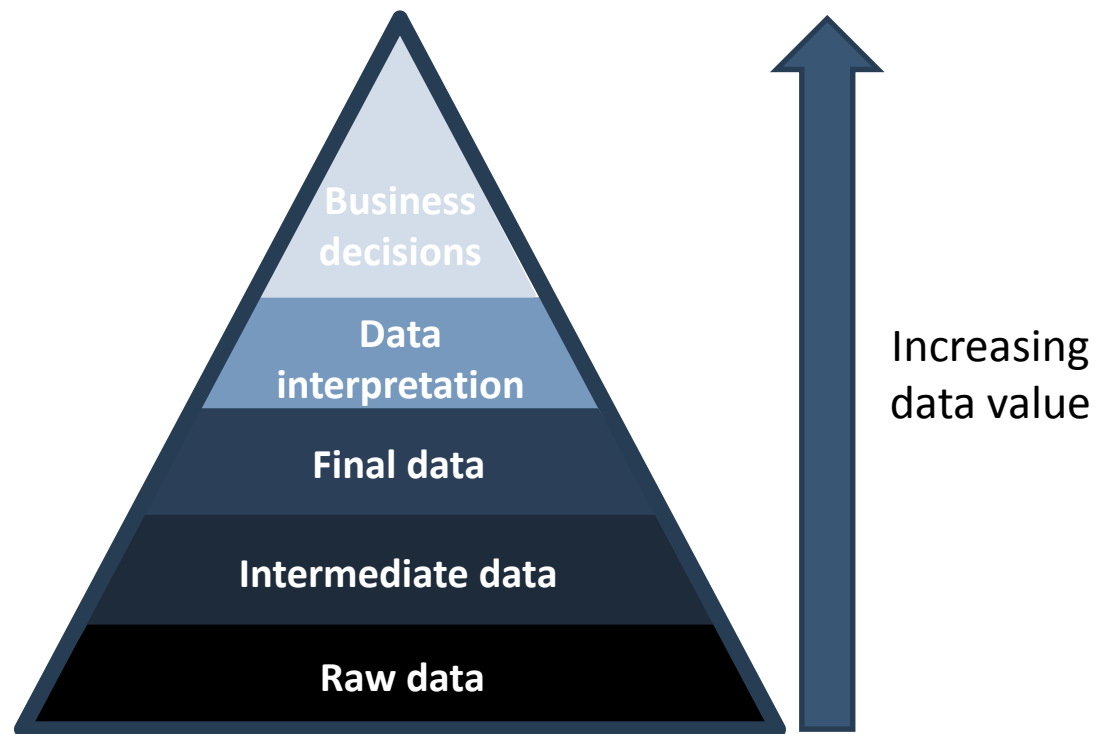


World primary energy demand by fuel and energy-related CO₂ emissions by scenario.

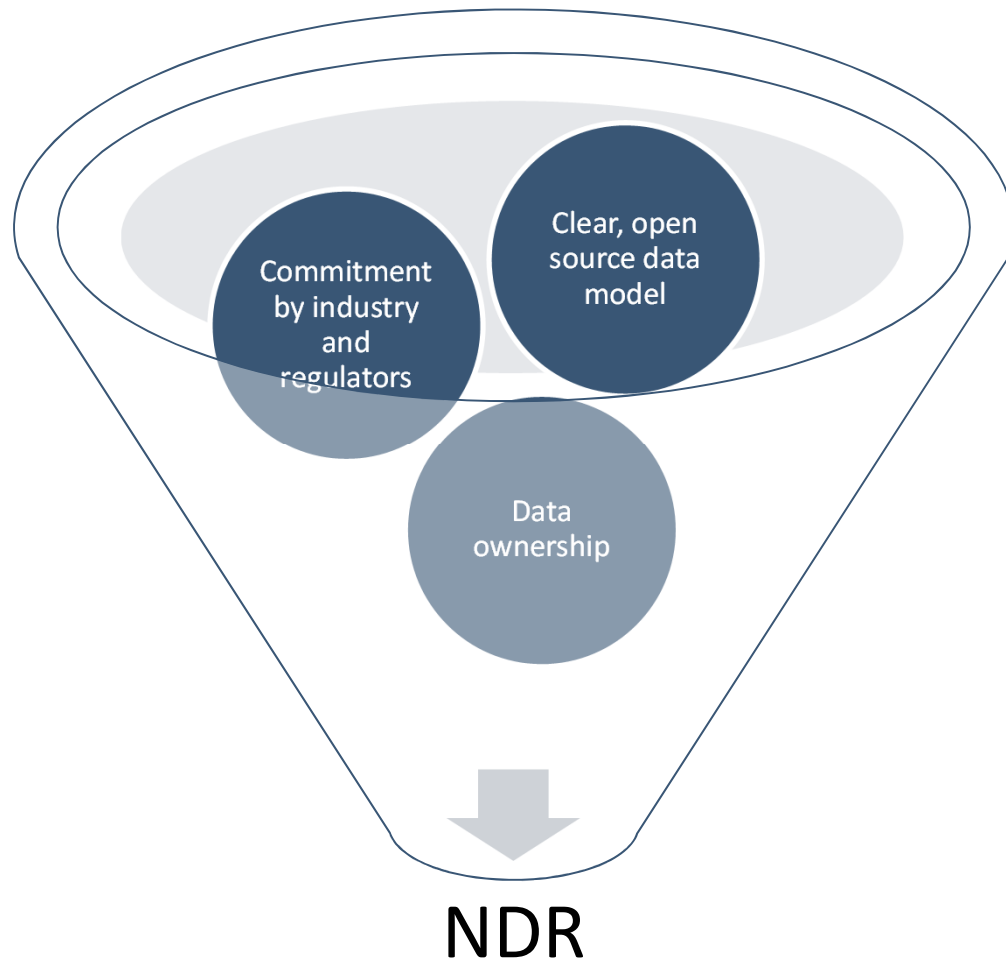
Source: IEA World Energy Outlook 2017



The data maturity hierarchy



- Data demand and data value has changed throughout time
- Need to access the full maturity scale to make high quality decisions
- Innovative use of data & algorithms necessary to gain new insights
- **NDRs should provide a solid data starting position and support this shift in data access demands**



Key enablers

Higher efficiency of

- Data gap and quality analysis
- Data loading (I/O) and sharing of large datasets
- Single, national corporate data warehouse, rather than several individual (company proprietary) storage locations



Getting ready for the future !

Leverage the subsurface value for Energising the Transition

- Acknowledge the important role of NDRs as enabler for the Energy Transition
- Collaborate across industries and national boundaries
- Jointly identify success factors for efficient NDRs
- Share best practices
- & be aware that the future might need other data supply than now foreseen



The logo consists of a dark blue square with the lowercase letters 'ebn' in white, sans-serif font.

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