

UK & Norway producing fields and discoveries

Results to date



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Devex 8th May 2018

AECC, Aberdeen



UK & Norwegian fields are all different.

Geology (Age, Trap, Lithology, Poroperm, Faulting, Timing etc)

Economics (Commodity Price, Taxation)

Maturity (Greenfield [URR extrapolated], late-life (prone to low commodity price environment & mechanical failure))

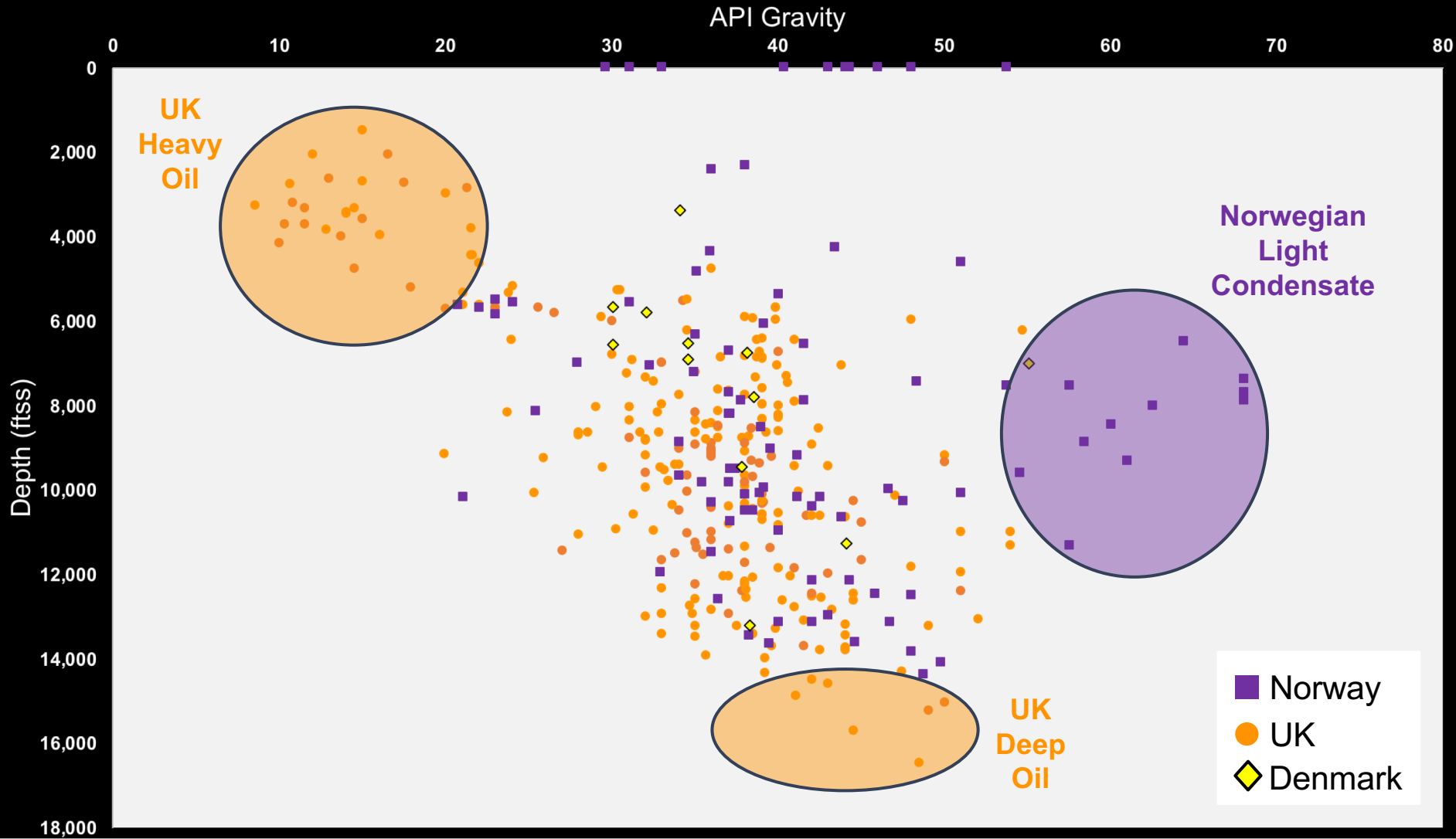
Trove databases utilise Open Source Data (incl. OGA, NPD, company websites etc)

“Largest collation of North Sea technical subsurface data”
Common format, auditable, borderless



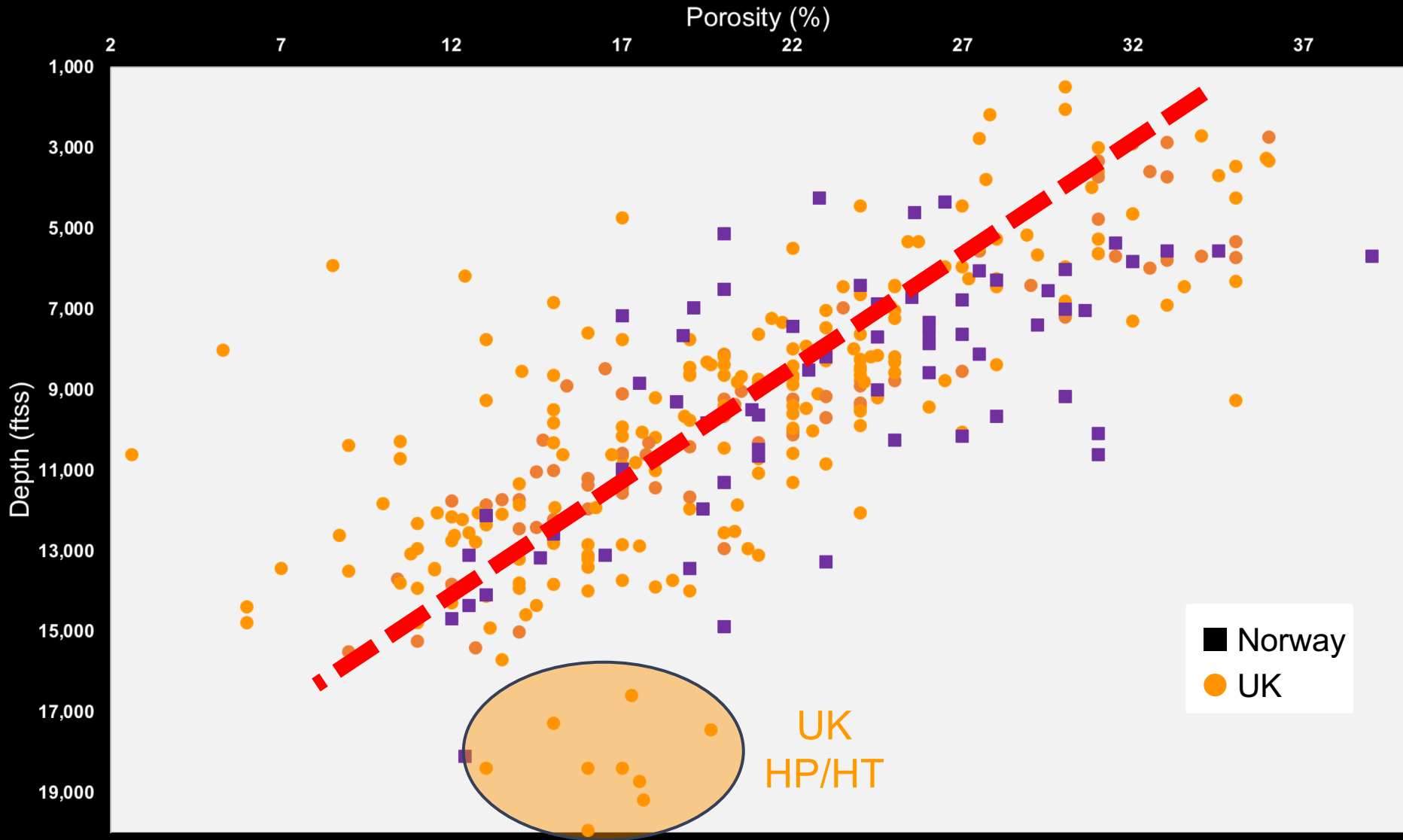


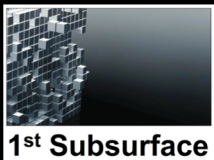
Oil Gravity v Depth





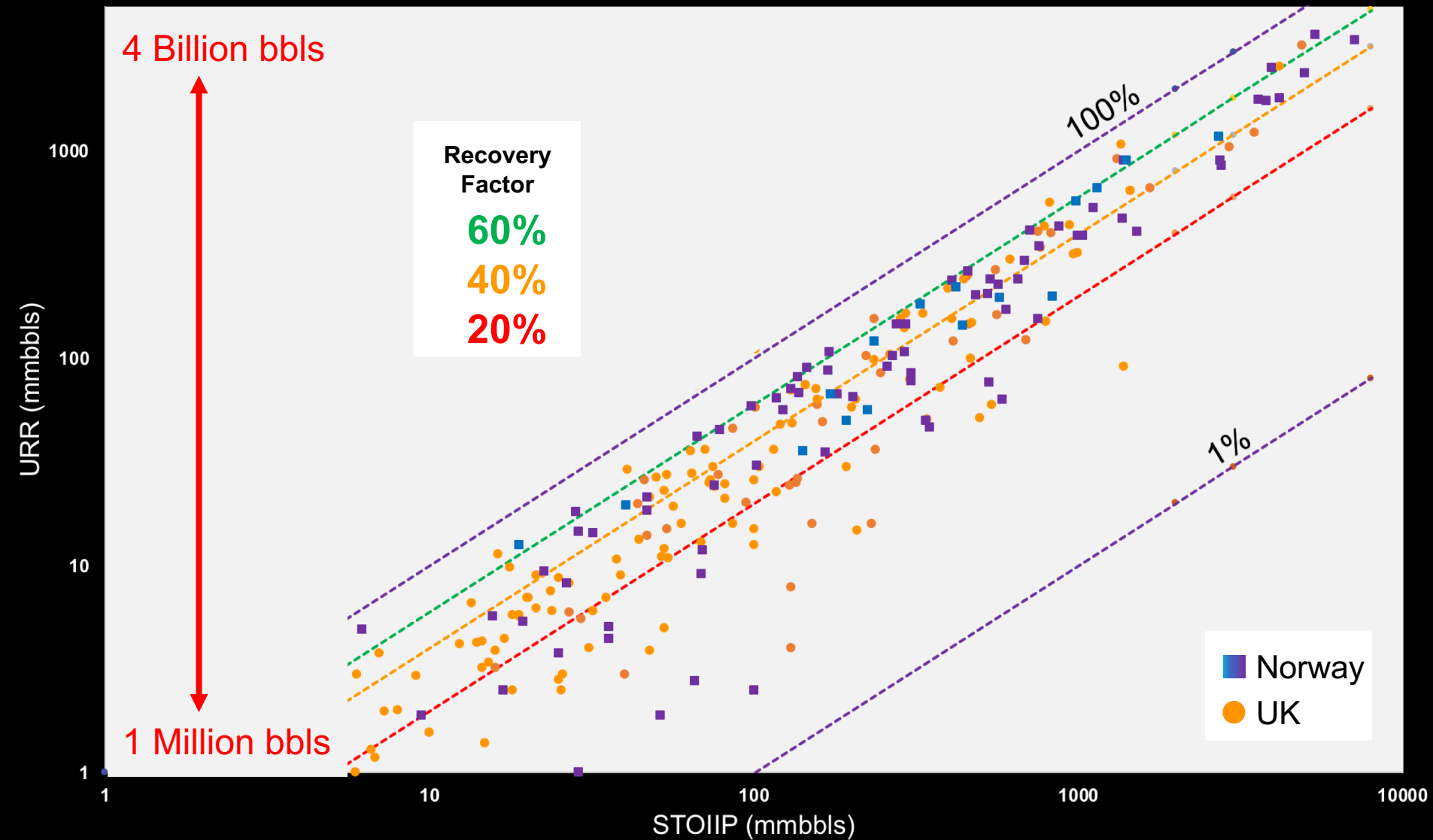
Porosity v Depth





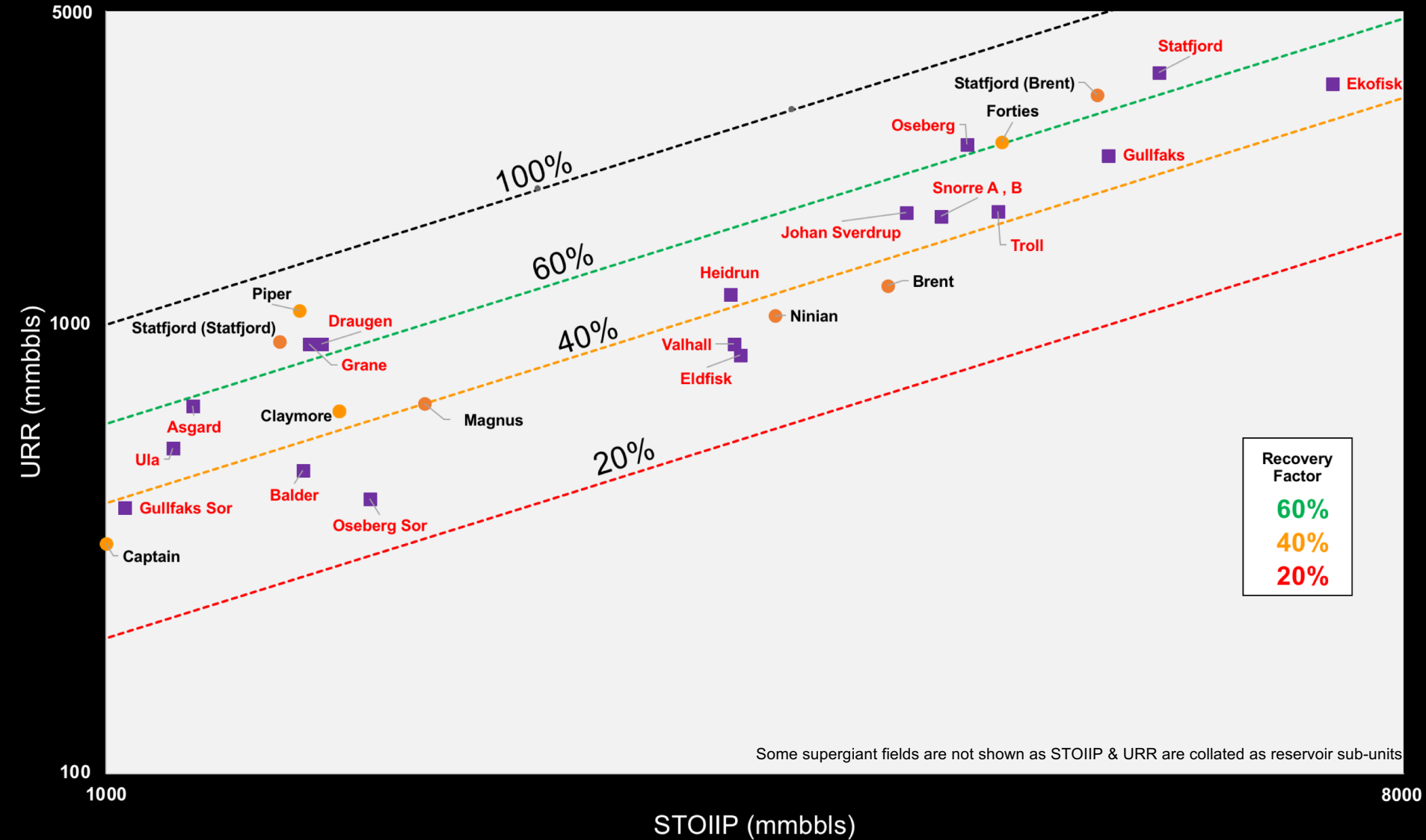
UK & Norway Oil Fields

All Fields & Discoveries





Giants & Supergiant Oilfields

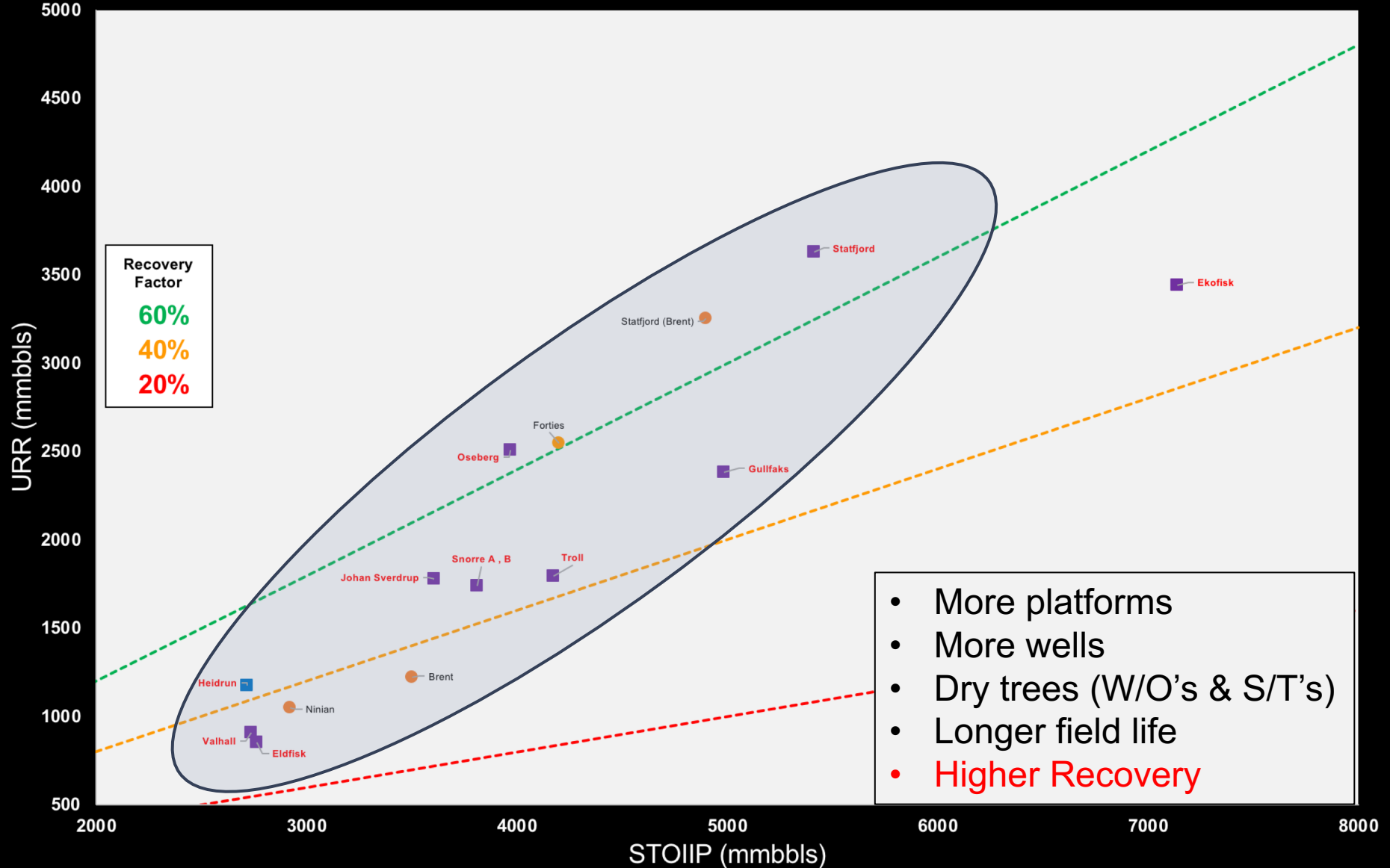


Some supergiant fields are not shown as STOIP & URR are collated as reservoir sub-units



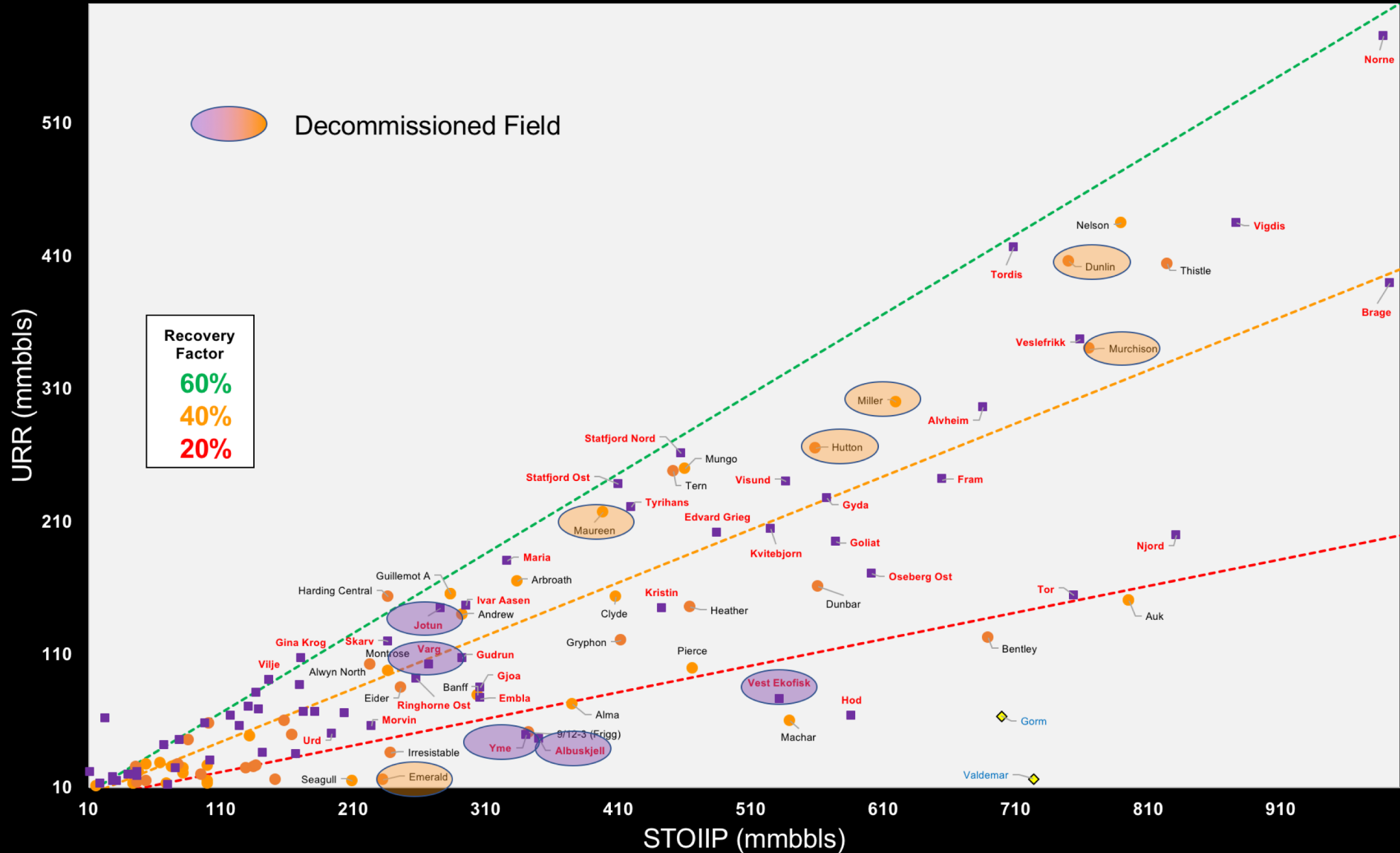
Economies of Scale?

UK & Norwegian Oil Fields >2 Billion Barrels In-Place





Cessation of Production (10 - 1,000 mmbbls)

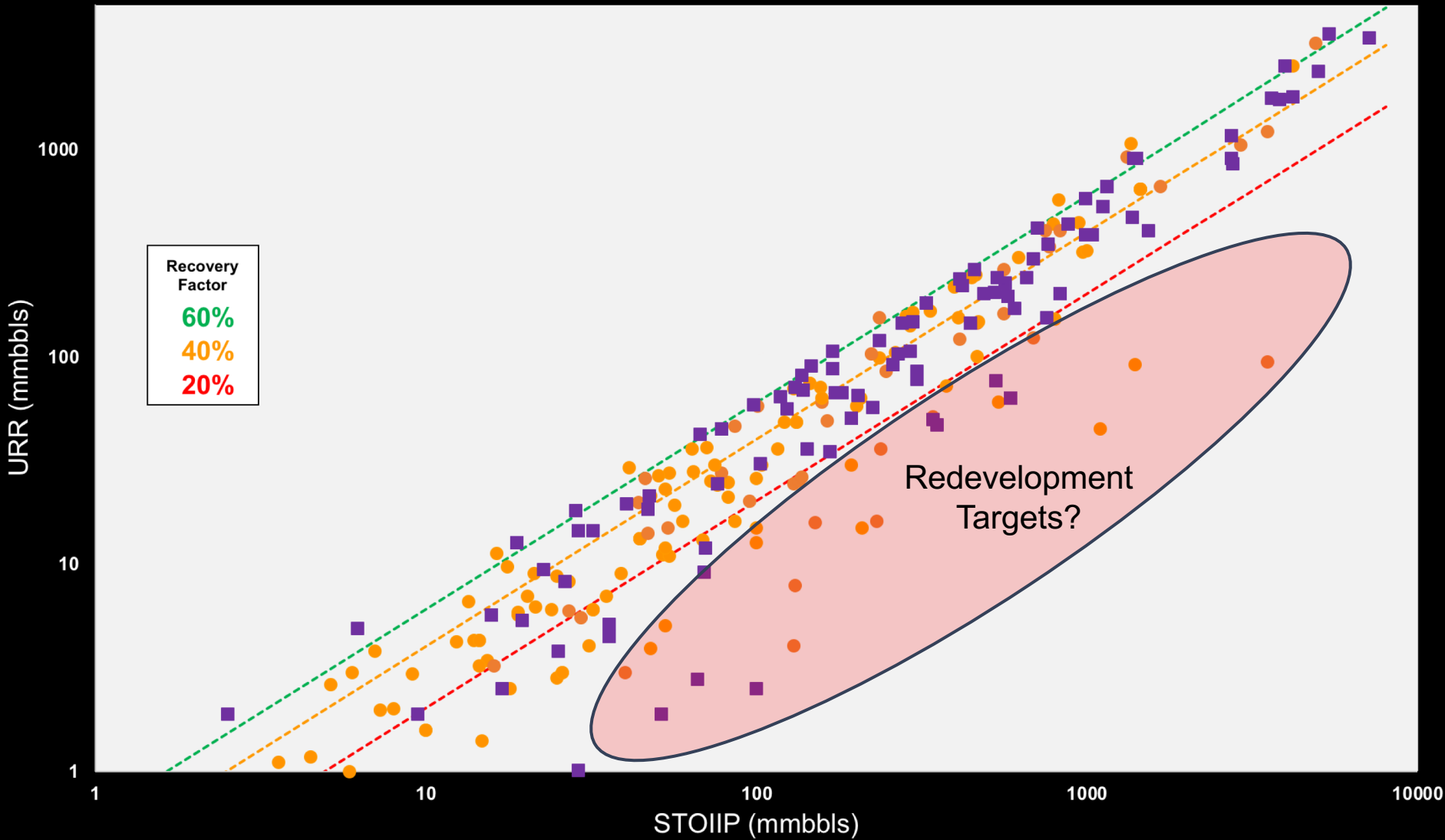


Some supergiant fields are not represented as STOIIP & URR are collated in more detailed reservoir sub-units, not field totals.



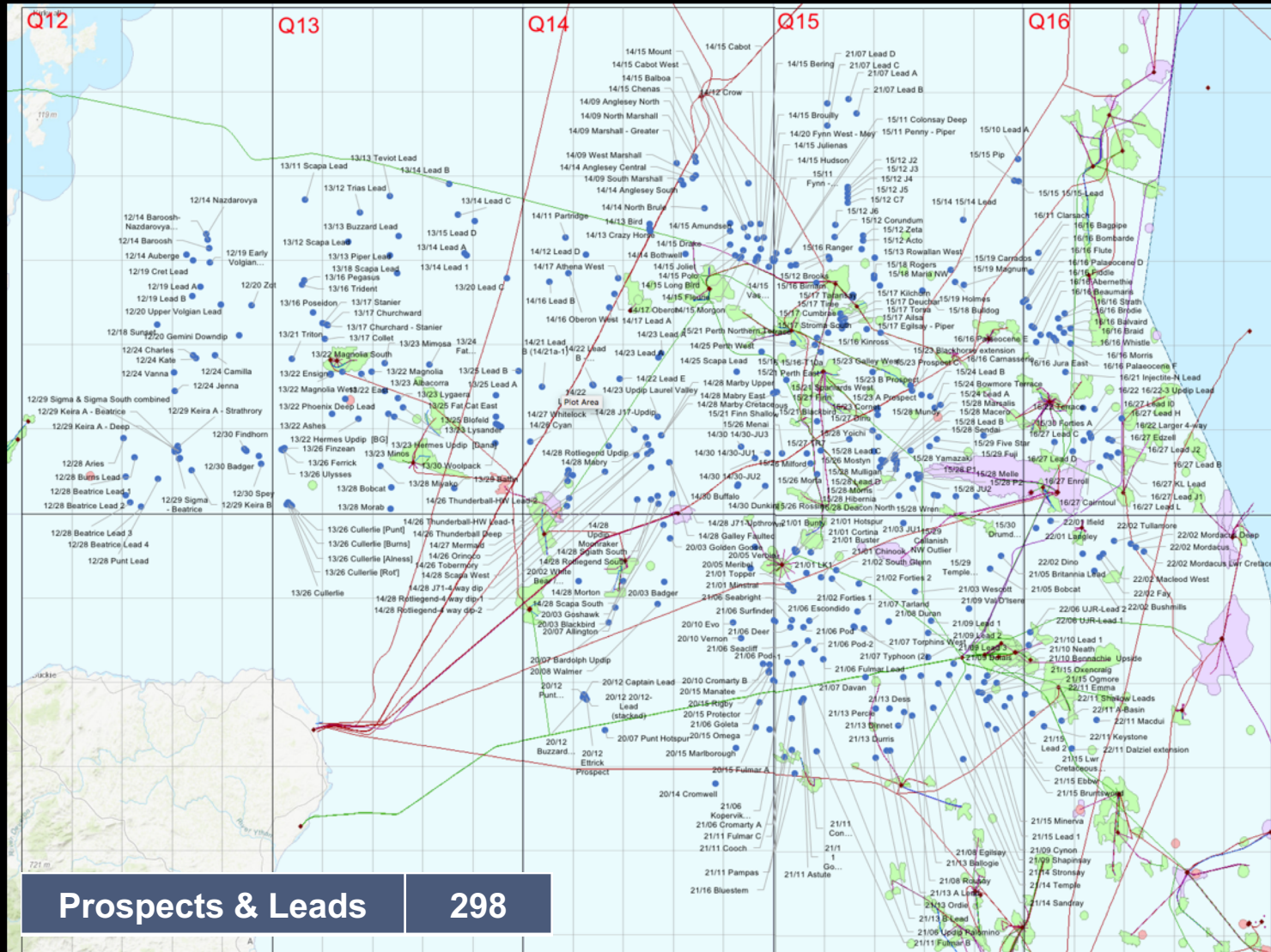
Target the larger low recovery oil fields

All Fields & Discoveries





Example: Prospects in the Outer Moray Firth



“Unlocking MER in the Outer Moray Firth through industry collaboration”

Paul Lindop, Wednesday 15:20hrs Gordon Suite



Trove Database North Sea Coverage



NNS
OMF
CNS
SNS
Irish Sea
West of Britain
Onshore & Channel



Norway North Sea
Norwegian Sea
Barents Sea



.....and other basins worldwide

Conclusions

No discernible differences in Recovery Factor between UK & Norwegian oilfields.

Highly variable data sample – some systematic differences in populations (Heavy oil, HP/HT).

Geology accounts for major differences in recovery factor.

Economic impacts (e.g. higher taxation) not apparent from data.



Thank you for your attention.

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