

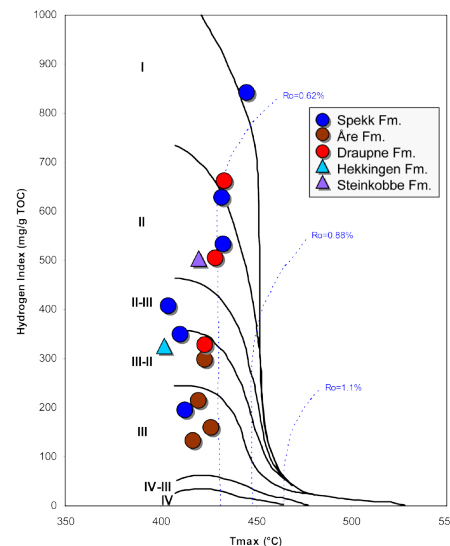
KinLib

a library of multicomponent kinetic models

Any hydrocarbon generation model requires kinetic data for generation of petroleum components from the modelled source rocks.

SINTEF Petroleum Research offers kinetic models of four petroleum components for core samples from all major source rocks of the Barents Sea, the Norwegian Sea and the North Sea, presently including:

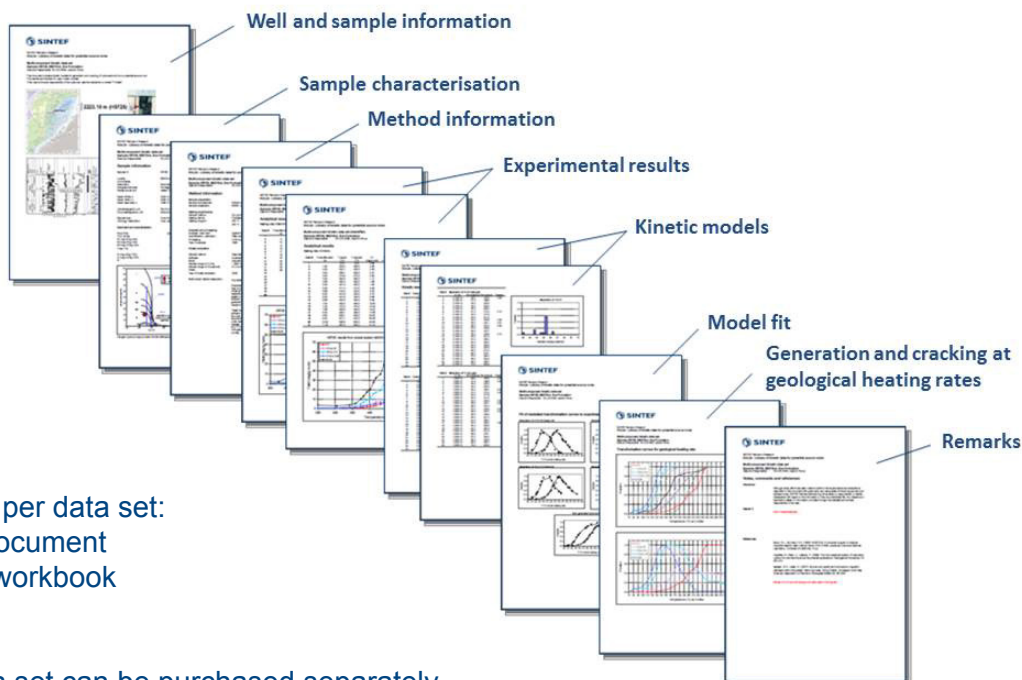
- **Draupne Formation**, Upper Jurassic, claystone (3 samples representing kerogen types I, II, III-II, N Viking Graben)
- **Spekk Formation**, Upper Jurassic, claystone (6 samples representing kerogen types I to III, Trøndelag Platform / Froan Basin)
- **Hekkingen Formation**, Upper Jurassic, claystone (1 sample representing kerogen type II-III, Nordkapp Basin)
- **Åre Formation**, Upper Triassic-Lower Jurassic, coal and coaly shale (4 samples representing kerogen types III-II and III, Halten Terrace)
- **Steinkobbe Formation**, claystone (1 sample representing kerogen type II, Svalis Dome)



Rock-Eval hydrogen index vs. Tmax, indicating the wide range of kerogen types covered. Kerogen types after Isaksen & Ledge 2001.

The four components represent the following carbon number ranges: C₁ (methane, dry gas), C₂ to C₅ (wet gas), C₆ to C₁₄ (light oil) and C₁₅ to C₃₅ (heavy oil). The models are derived from MSSV-GC-FID data obtained at two different heating rates.

Deliverables



Two files per data set:

- PDF document
- Excel workbook

Each data set can be purchased separately.

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