

Unpublished or proprietary geological/statistical studies.

- Recursos de hulla en Santivañez de Piñeda, Palencia, España.
- Test for randomness of a sequence based on ranks of first differences.
- Estimation of errors in measuring layer thickness in relation to folding style.
- Guide for tectonic reconstruction of layers by using stereonet
- Occurrence of a Triassic duricrust in the South Andean fold belt and in the Santa Rosa well, based on counting jaspis grains in cuttings. A correlation over 1000 Km distance.
- Extension of the Wald-Wolfowitz two-sample test to circular data.
- Restauration of shale thicknesses (decompaction) for study of sedimentary processes
- Investigation of shale bulk densities in wells near the Rock Springs uplift, Wyoming.
- Study of salinity of formation waters in relation to stratigraphic traps near Patrick Draw and Table Rock field, Wyoming.
- Occurrence of geopressures in the Niger Delta.
- Growth diagrams for growth faults in the Niger Delta.
- Geothermal gradients as a function of lithology in the Niger Delta.
- Residual Oil/Water contacts in the Akata field, Niger Delta and time of migration.
- Estimation of the remaining undiscovered resources in the Shell holdings in Nigeria.
- Guide for habitat of oil (petroleum systems) studies.
- Growth of salt-pillow based structures in the Qatar offshore area.
- Petroleum system analysis for the Fahud field, Oman. Reconstructing time of migration.
- Studies of several unappraised discoveries in Rub-al-Khali, Oman.
- Program for three-dimensional plotting of regression data for calibration.
- Application of discriminant analysis to estimate probability of success for Rotliegend prospects in the Netherlands onshore and offshore. (POS-ROTLIEGEND) (Bayesian).
- Extension of the Mann-Whitney one-sample test to the multivariate case.
- Estimating well initials on the basis of depth, API gravity, lithology and porosity. Bayesian. (with Leine)
- Estimating resources in sedimentary basins. Bayesian study. (With Keizer)
- Program for drawing Thiessen polygons to generate facies maps.
- Probabilistic ranking of exploration opportunities with the investment efficiency criterion.
- Unfaulted top seal capacity study on the basis of depth, thickness and lithology and nature of hydrocarbons. Using regression on censored data. (With Sluyk)
- Program for creaming analysis with separate success rate and discovery volume analysis.
- Petroleum system data base for calibrated prospect appraisal.
- Source rocks from wireline logs, estimating TOC, and nomogram for use with logs.(With Meyer)
- Geohistory program for Time-Temperature-Integral from stratigraphic input.
- Guide to the use of ridge regression in data analysis.
- Note on contiguity analysis for spatial data.
- Prospect appraisal by quantitative calibration (PAQC). (With Sluyk)
- Cumulative Area Test for hindsight analysis of prospect appraisal.(CAT)
- Growth of reserves of fields.
- Model for creating an oil field production profile based on ultimate recovery.(PRODPF)

- Economic model to forecast oil production based on oil price and production history.
- Contributions to an Upstream economic model for corporate planning.
- Contributions to the Upstream part of two Shell Scenario reports.
- Variogram applied to the Santa Rosa oil field, Venezuela.(VARIOGRAM)
- Hindsight analysis of prospects drilled by PdVSA.
- Program for reconstruction of erosional gaps in the stratigraphic column, based on sonic logs.(RESTORE)
- Prospect Appraisal program GAEAPAS.
- Program for Trap Capacity history analysis.(TRAPHIST)
- Program for calculating trap capacity for various geometric shape anticlinal traps.(TRAPCAP)
- Program for Compensated Temperature Ratio Method for formation temperature estimation.(CTRM)
- Program for estimating TOC from sonic, density and resistivity logs.(SRLOG)
- Program for estimating original TOC for mature SR's.(TOCORIG)
- Program for Geohistory analysis.(GEOHIST)
- Program for estimating expectation of exploration costs.(EEC)
- Program for addition and merging of probabilistic resource estimates.(MAD)
- Program to list POS and MSV for a set of cut-off volumes.(POSMSV)
- Program to extrapolate discovery data to estimate undiscovered resources. (FIELDEX)
- Program for hindsight analysis of discovery volumes by the Kolmogorov-Smirnov one-sample test.(KSTEST)
- Program for hindsight analysis for the observed sequence of successes against predictions.(POSTEST)
- Program for Bayesian probabilistic forecasting of oil/gas production profiles.(PRODCASTING)
- Program for aggregating probabilistic resource estimates.(ADDRES)