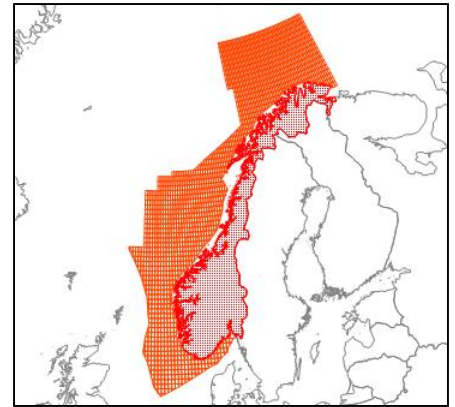


# Block Ranking Database - Norwegian Shelf

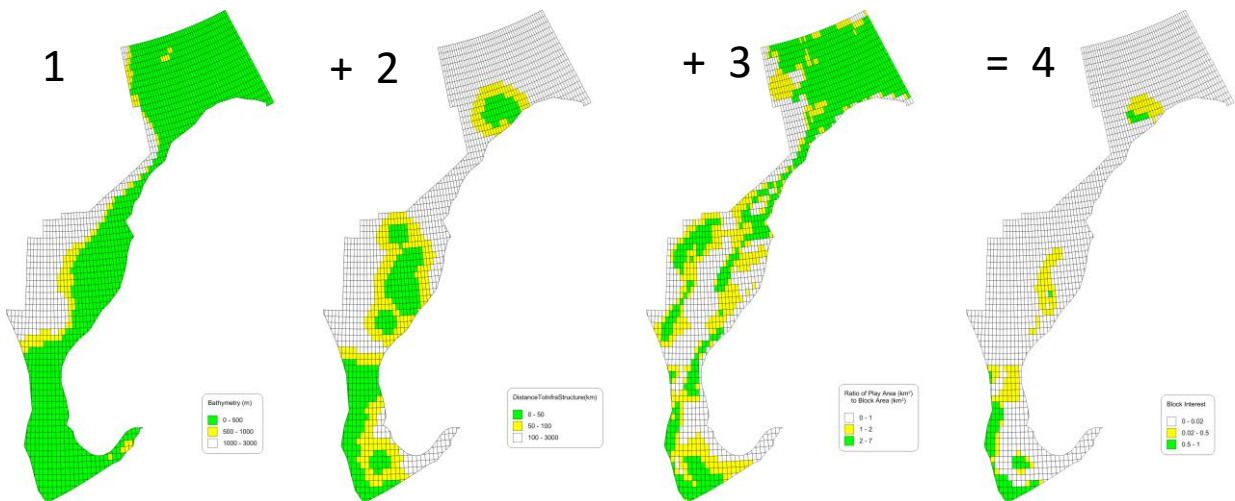


Calderdale Geoscience (CGL), a UK-based geosciences consultancy established in 2004, believes that ranking open acreage at the block scale is an important part of preliminary license round work. However, designing an objective methodology can be difficult and time-consuming; and the ranking process often proceeds on 'gut-feel' rather than on the basis of objective criteria. In order to facilitate objective ranking of blocks on the Norwegian shelf, CGL has compiled a database of 'block attributes'.



## Technical Work:

Block attributes can be calculated from any spatial data such as areas, lines and points. In the example below, three attributes are combined to produce a ranking score: average water depth per block (1) is calculated from a bathymetry grid; distance from the nearest operating facility (2) is calculated from a digitised point-set of facility locations; 'play area ratio per block' (3) is calculated from a set of digitised play polygons. The colour scheme is set to represent the 'degree of interest' given the score on a particular attribute, with, in this case, **green** representing 'higher interest', **yellow** more marginal interest, and white no interest. Adding 1, 2 and 3 in a 'probabilistic' way results in a map like 4 which can be used to score and rank the blocks.



## Available Tables:

CGL has a current database of many attributes, including those illustrated above, such as: remaining reserves per block and risked prospective reserves per block. In addition, block attributes can be calculated for almost any combination of spatial tables and CGL will provide this bespoke service if requested. CGL can provide these tables as .shp files and .xls files or personal geodatabases (.mdb)

For more information please contact Dave Melnyk; [davem@calderdalegeoscience.co.uk](mailto:davem@calderdalegeoscience.co.uk)  
Mobile: +44 (0) 7773 609186

