



Netherlands Organisation for Applied Scientific Research TNO – Geological Survey of the Netherlands, TNO-GSN

Contact details

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Organisation type	Statutory non-profit organisation
Organisation size	GSN: ± 100
Research disciplines	Geomodelling; Data and Information Management

Participant details



Dr. Sytze van Heteren (coastal and marine geologist; promotor)
Dr. Jan Stafleu (geomodeller and ISATIS expert)
Drs. Denise Maljers (geomodeller and ISATIS expert)

Organisation Details

The Geological Survey of the Netherlands has the task of acquiring, quality controlling, archiving, analysing, modelling, managing and distributing the majority of subsurface and (ground) water data in the Netherlands on land and on the continental shelf below the North Sea. This task is laid down in the Dutch Mining Law (covering data below 500m depth) as well as in a new law establishing the mandatory Key Register of the Subsurface (BRO), covering all other subsurface data. The BRO builds on the current national geodata repository DINO, which is the 'One-stop-shop' for geodata in the Netherlands on the Internet. It provides free access for all users and concerns measurement data as well as 3D static models, maps, documents and real-time sensor data.

Areas of Activity related to Resource Management

Sustainable management of offshore sand resources requires both knowledge on the distribution and quality of sand layers present in the shallow subsurface and a tool to visualise this information. During the past five years, the Geological Survey of the Netherlands and Deltares have jointly developed a resource-information system that allows the user to extract resource information quickly and consistently from the national geological database. This system is used to assess and constrain quantities of extractable sand for different extraction depths and quality requirements. Thus, it contributes to the decision-making process that forms a key element of sustainable resource management.