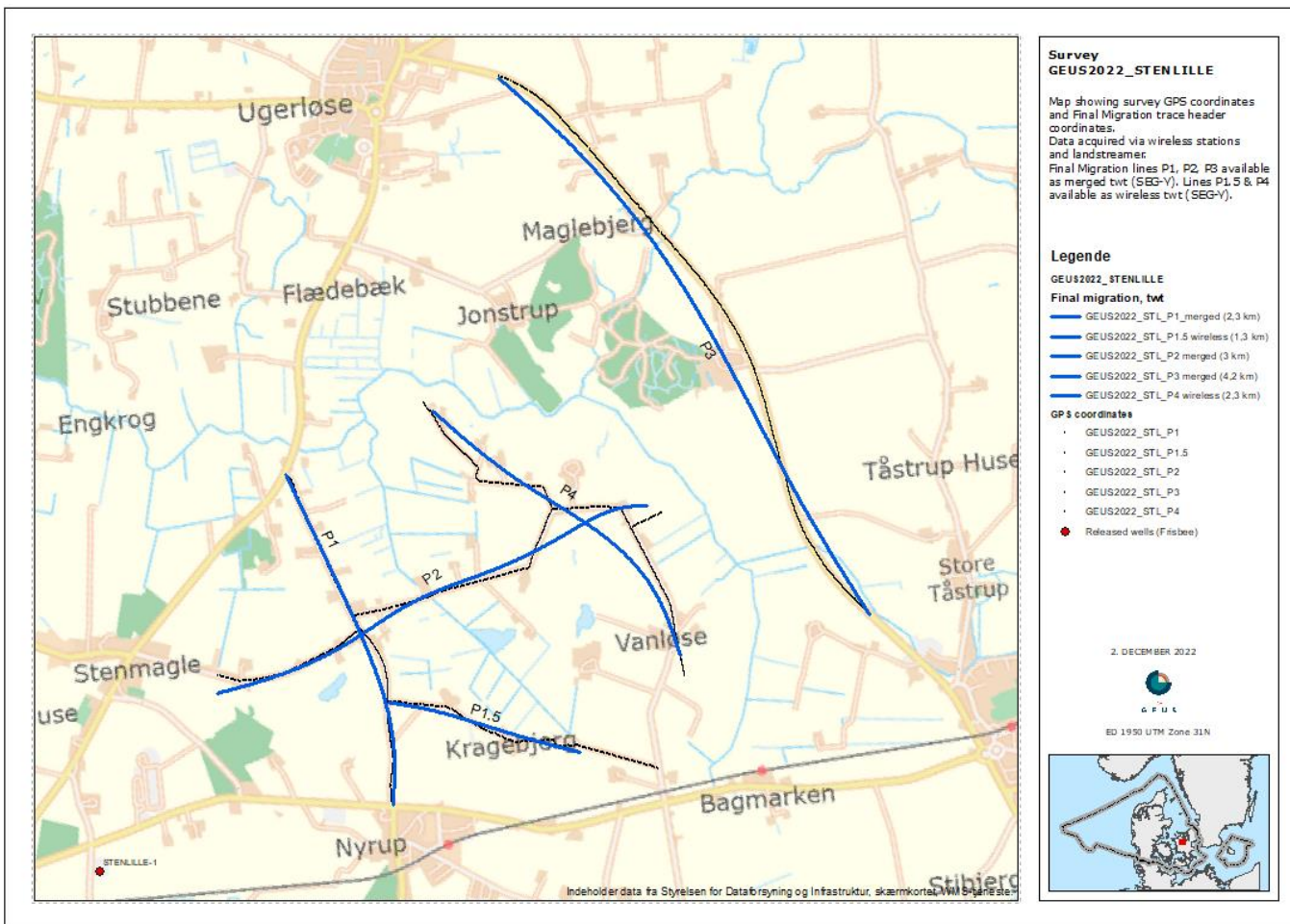
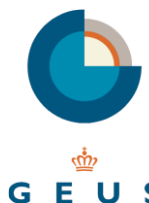


# New acquired 2D seismic data, onshore central Zealand 'GEUS2022\_STENLILLE'

Data package available for the copying costs only DKK 1,000.00 (excl. VAT)



## GEUS STENLILLE 2022 – The aim of this data acquisition

As part of the global effort to reduce CO<sub>2</sub> atmospheric levels, the interest towards geological Carbon Capture and Storage (CCS) has increased significantly. Seismic investigations are important to identify areas where the geological conditions are suitable for safe and sustainable storage.

This data package presents an innovative example of land seismic acquisition performed in Denmark to image the sedimentary stratigraphy in a candidate area for CO<sub>2</sub> storage.

To achieve great investigation depths and at the same time guarantee dense spatial coverage at shallow depths, the data were recorded with a combination of geophones placed in a fixed geometry (10 m intervals) along the roadside and by a set of more closely spaced MEMS-based recorders mounted (2 m intervals) on a moving landstreamer.

Compared to the wireless data, the landstreamer provided data of sufficient quality and with the additional advantage of high resolution at shallow depths.

Complementary use of both data reflection seismic imaging techniques provides information on the subsurface in a wide depth range, making such a survey highly promising for this purpose. Key reservoirs as well as the base of deep salt structures are imaged showing the potential of the survey. Potential faults and fracture systems have also been noted requiring further investigations.

See next page for data package details.

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## Data included in the price & how to purchase the data set



### List of Deliverables

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#### Field data / Raw data

Field data (SEG-D)  
Passive data (SEG-D)  
Raw data, Un- and Xcorrelated (SEG-Y)  
Brute stack (SEG-Y)

#### Processed data

CDP gathers (SEG-Y)  
Final stack (SEG-Y)  
Final migration (SEG-Y)  
GPS coordinates (ASCII)  
Statics (ASCII)  
Velocities (SEG-Y)

#### Intermediate files

Version 1 unmigrated stacks (SEG-Y)  
Version 2 unmigrated stacks (SEG-Y)

All above data - GEUS Seismic tape  
no. 300279

### Delivery options & information

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Data transferred using OneDrive  
or  
Delivered on an external USB drive  
Expected delivery time: 1-3 days

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### List of Reports

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Seismic survey in Gas Storage Denmark  
Stenlille 2022. Data processing workflow [PPTX].  
Uppsala University for GEUS, 33 p.  
Publ. date: 29-04-2022  
GEUS Report file no. 43165 (PDF)

Final report. Innovative land seismic data  
acquisition [and processing] for geological CO2  
storage in Stenlille, Denmark. [Incl. document:  
Note on P1.5 and P4 only wireless delivered].  
Uppsala University for GEUS, 43 p.  
Publ. date: 05-09-2022  
GEUS Report file no. 43166 (PDF)

Observers logs, GEUS2022\_STENLILLE.  
Uppsala University for GEUS, 41 p.  
Publ. date: 28-02-2022  
GEUS Report file no. 43168 (PDF)

Weekly reports week 1 and 2.  
GEUS2022\_STENLILLE. Uppsala University  
for GEUS, 23 p. Publ. date: 12-08-2022  
GEUS Report file no. 43169 (PDF)

### Further readings

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Papadopoulou, M., Malehmir, A., Zappalà, S.,  
Gregersen, U., Nielsen, L. & Hjelm, L. 2022:  
Innovative land seismic data acquisitions for CO2  
and energy storage applications. [EAGE, Near  
Surface Geoscience, 2022, 1-4 (4 p.)].  
DOI:  
<https://doi.org/10.3997/2214-4609.202220098>

### How to purchase

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Order data package by sending a mail to:

[info-data@geus.dk](mailto:info-data@geus.dk)

**Mandatory** the following information for  
invoicing and data delivery must be  
available in mail to GEUS:

- Full company name and address
- Contact person (incl. mail address  
and phone number)
- Invoice address
- VAT no.
- PO number if mandatory on invoice
- Delivery address if output  
requested on USB disk

### Price (copying costs only)

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DKK 1,000.00 (Excl. VAT)

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Visit [www.geus.dk](http://www.geus.dk) for information about well data:  
GEUS' Well Data Summary Sheet for Technical &  
administrative information (released appraisal and  
exploration wells only)

Frisbee.dk is GEUS' website for  
search and purchase of data from  
the Danish Subsoil – Data originally  
acquired in connection with the oil  
and gas exploration in Denmark.  
The database contains reports and  
data from released deep  
exploration and appraisal wells in  
Denmark. Since 2022 all reports,  
and data are available for download  
free of charge.

For locations of all (released and  
confidential) appraisal and explora-  
tion wells, 2D lines and 3D survey  
polygons – Please see GEUS'  
interactive map:  
[Danish Deep Subsurface Data  
\(geus.dk\)](http://www.geus.dk)

The 2D and 3D seismic data will be  
available free of charge during  
2023.

All data sold are GEUS' propriety  
data. Purchased copies of data or  
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way distributed to any third party.

Purchase or further information  
Contact: [info-data@geus.dk](mailto:info-data@geus.dk)