

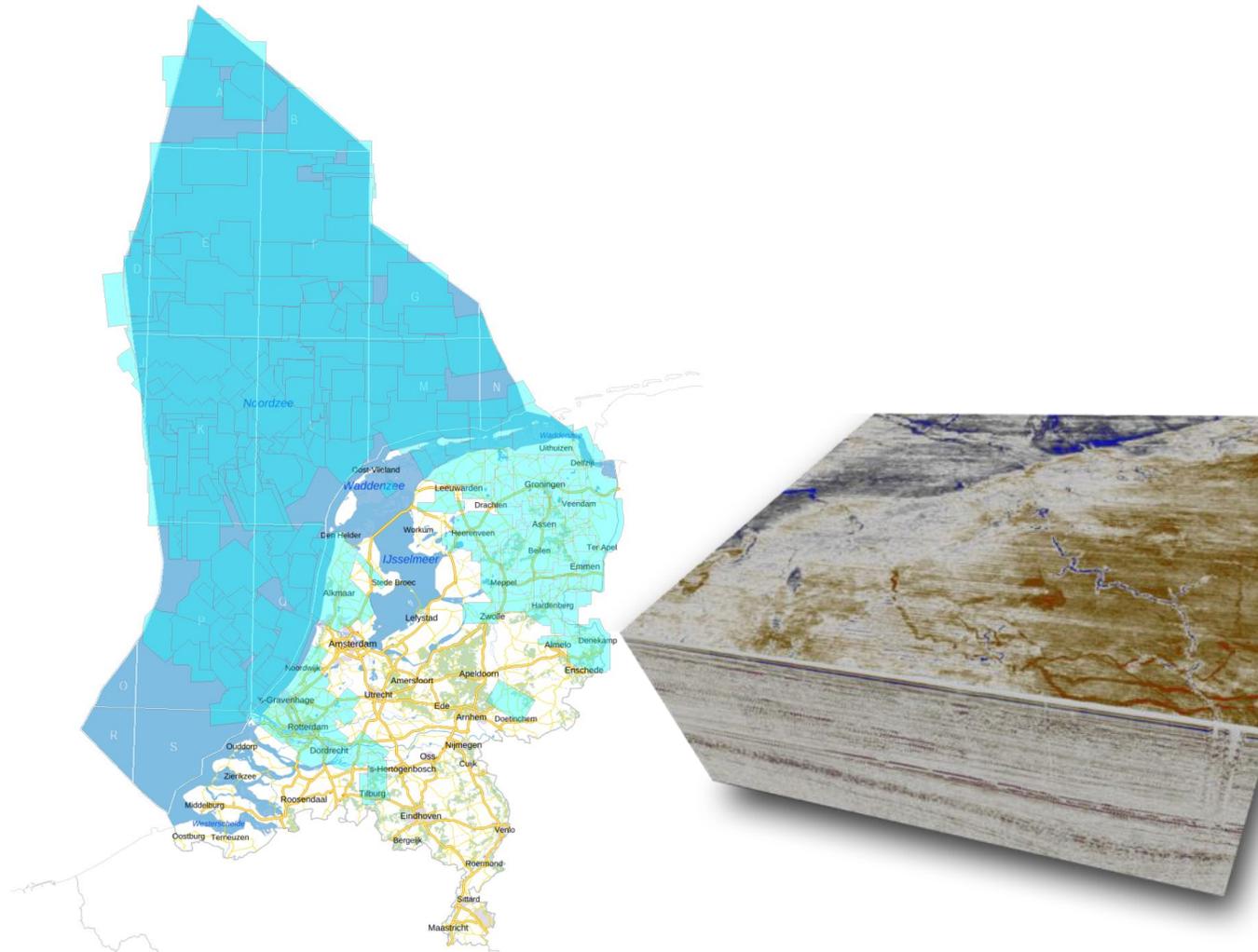
› **RECONSTRUCTION OF PAST LANDSCAPES**  
SYTZE VAN HETEREN

# COLLECTED FOR OIL AND GAS, USED FOR LANDSCAPES

## ACOUSTIC DATA ON [WWW.NLOG.NL/EN/MAP-3D-SEISMIC-DATA](http://WWW.NLOG.NL/EN/MAP-3D-SEISMIC-DATA)

NLOG  
Dutch Oil and Gas portal

Home Data Activities Legislation and procedures Licences Mining effects Publications



### Choose what you want to see

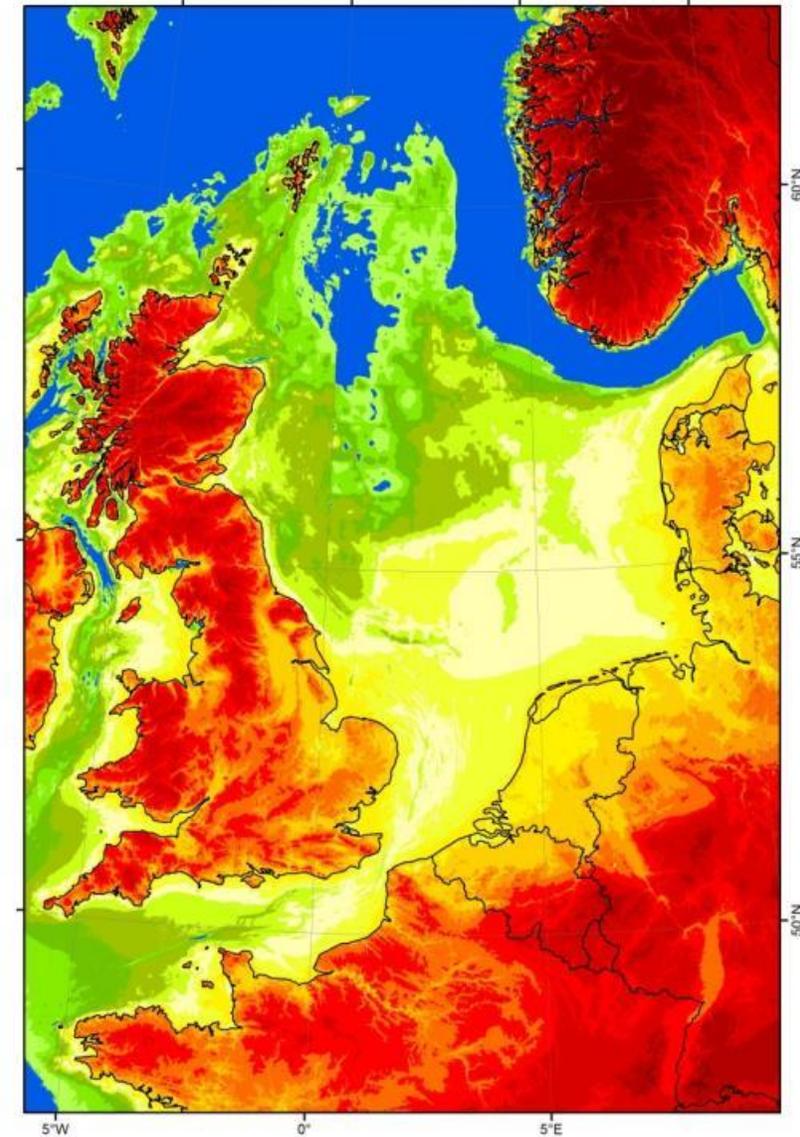
Change the order by dragging the map layers.

- All Wells
  - Trajectories
  - Currently drilling
  - Finished drilling
  - Producing wells
  - Fields
  - Production platforms
  - Pipelines Continental Shelf
  - 2D Seismic Digital
  - 2D Seismic Analog
  - 2D NAM Dataset
  - 3D Seismic
- Year of survey
- Between 1949 and 2022
- 3D Seismic survey
- All licences
- Licences Geothermal energy

› **ONCE, THE NORTH SEA WAS DRY**  
**WHERE WERE CHANNELS, LAKES, RIDGES ...?**

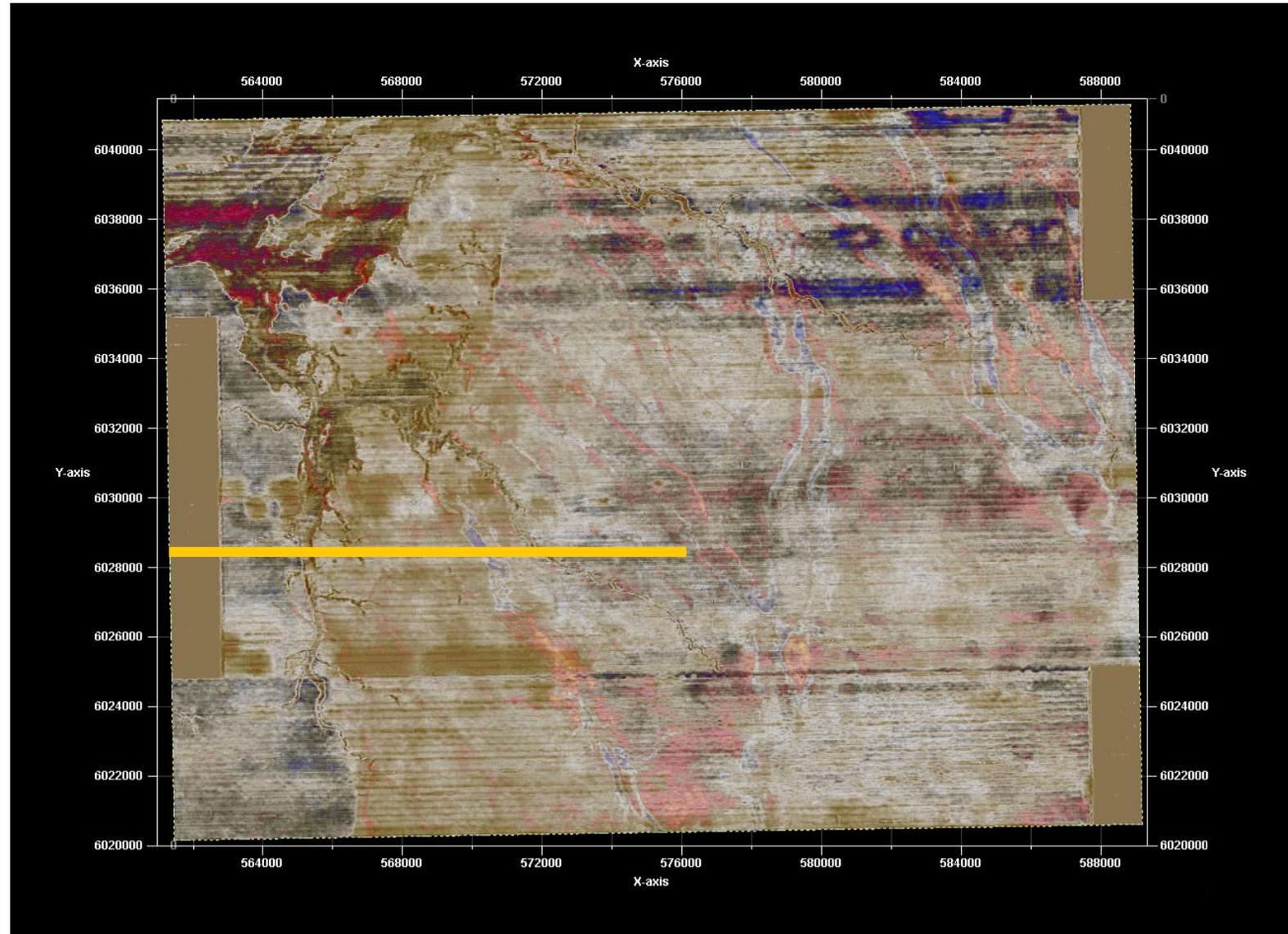
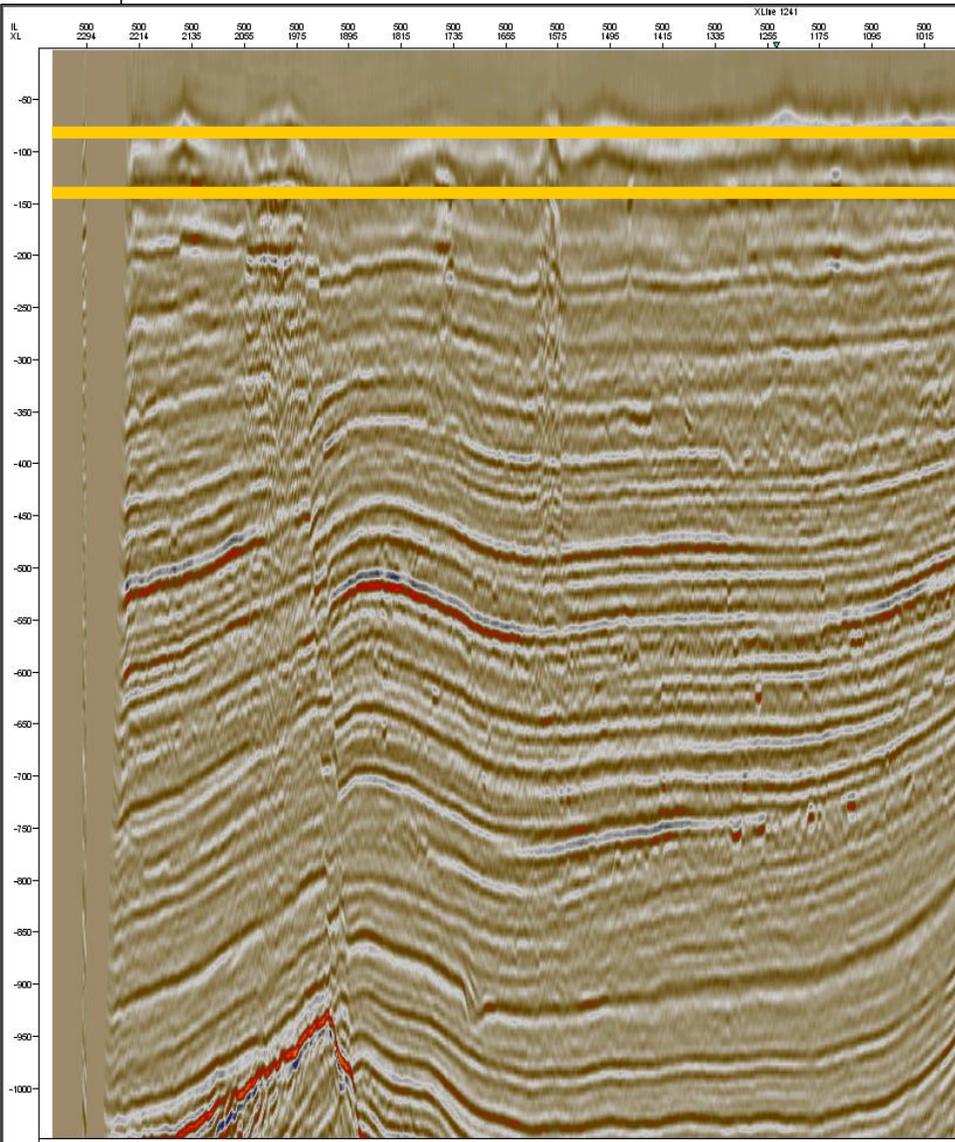


Image: [www.dandebat.dk](http://www.dandebat.dk)

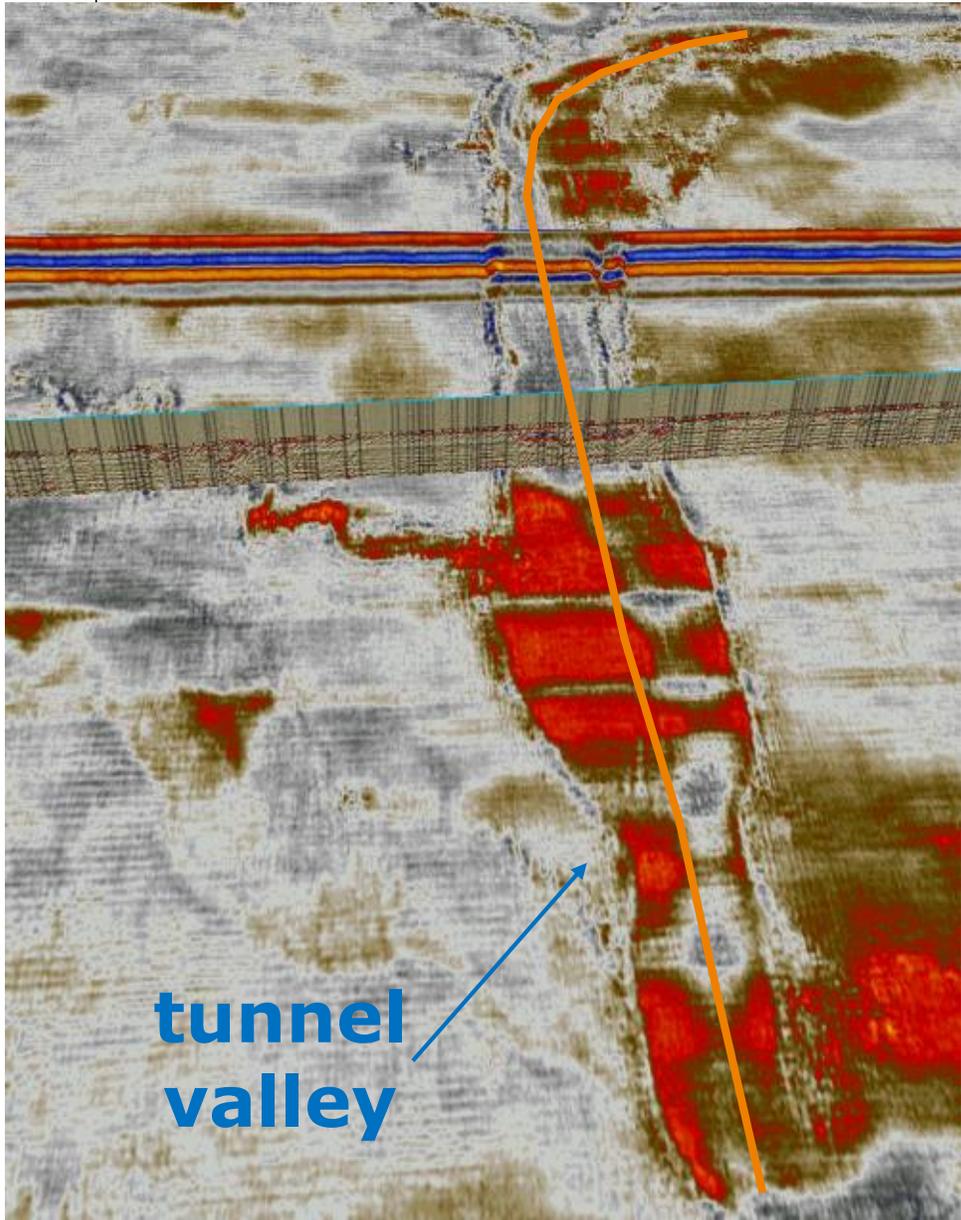


# › RICH RESOURCE OF 3D DATA

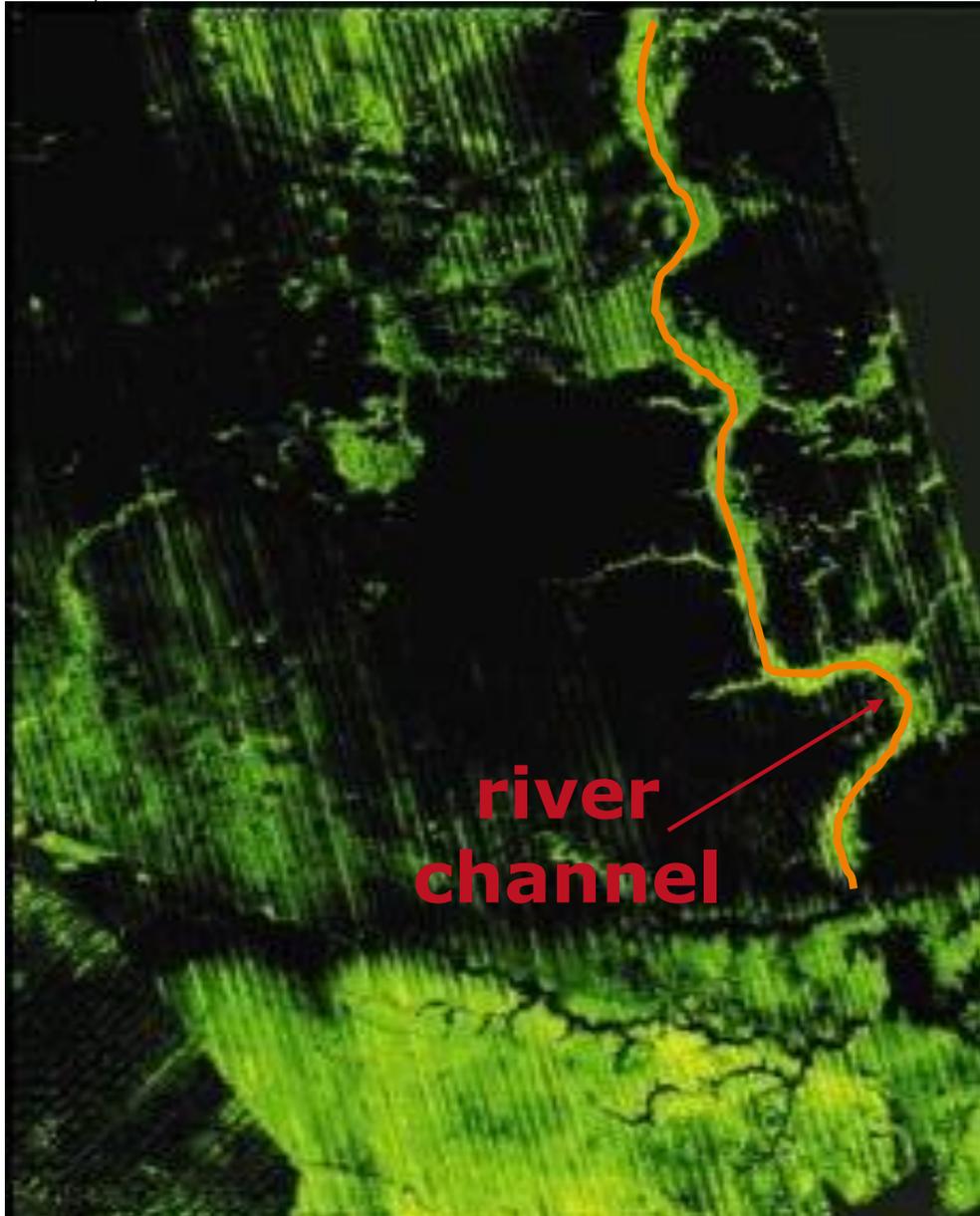
COLLECT ONCE, USE MANY TIMES: SHALLOW TIME SLICES (HORIZONTAL SECTIONS)



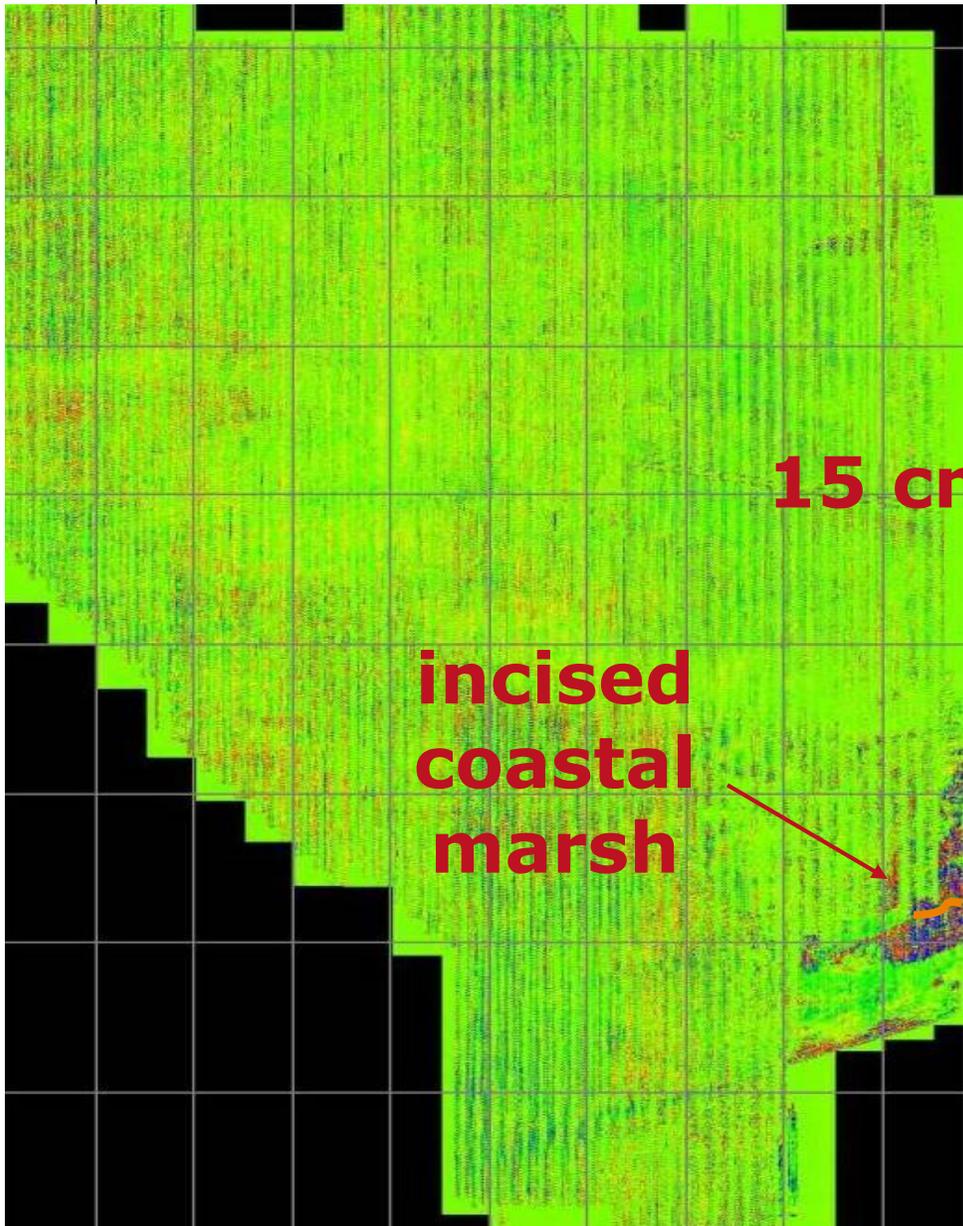
# › GLACIAL LANDSCAPES: YOU CAN SEE VERY DEEP VALLEYS



## › RIVERINE LANDSCAPES: YOU CAN SEE VERY CURVY FILLS



# COASTAL LANDSCAPES: YOU CAN SEE VERY THIN PEAT LAYERS



15 cm





› **THANK YOU FOR  
YOUR TIME**

**TNO** innovation  
for life

more information: [sytze.vanheteren@tno.nl](mailto:sytze.vanheteren@tno.nl)