

SLIM





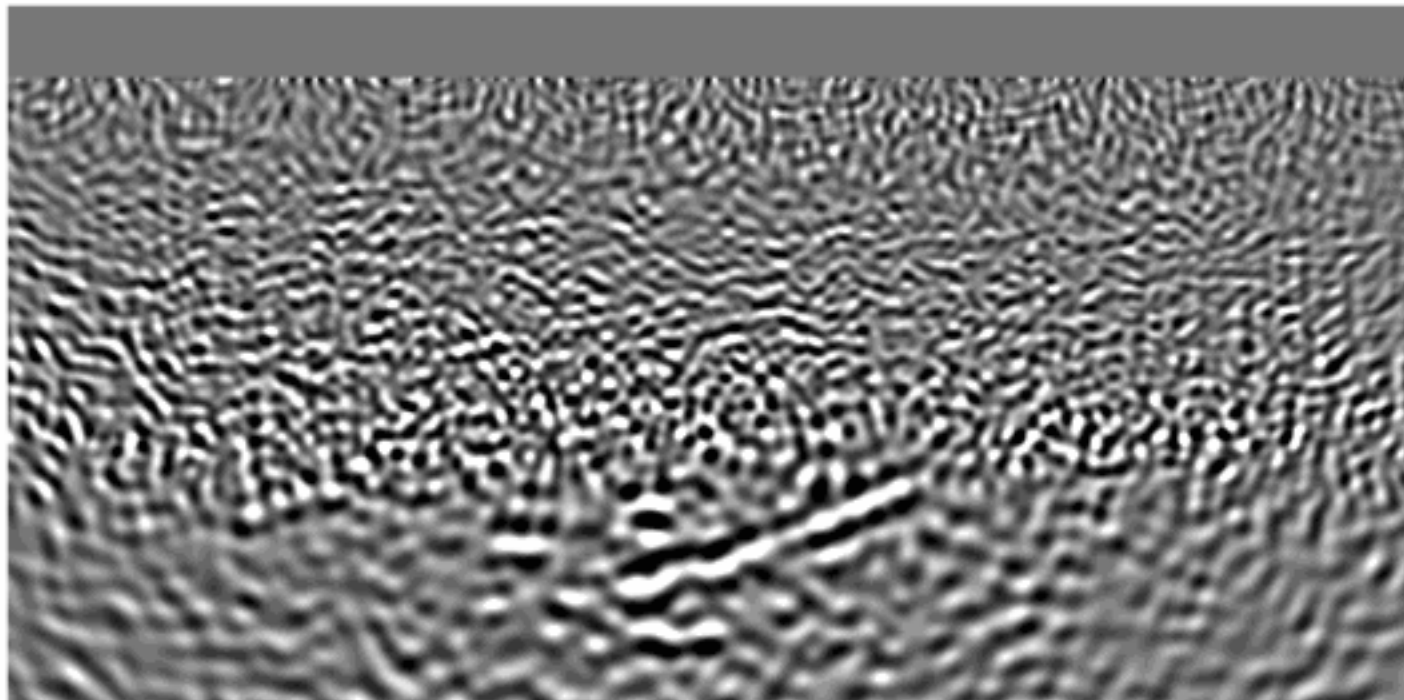
ML4Seismic

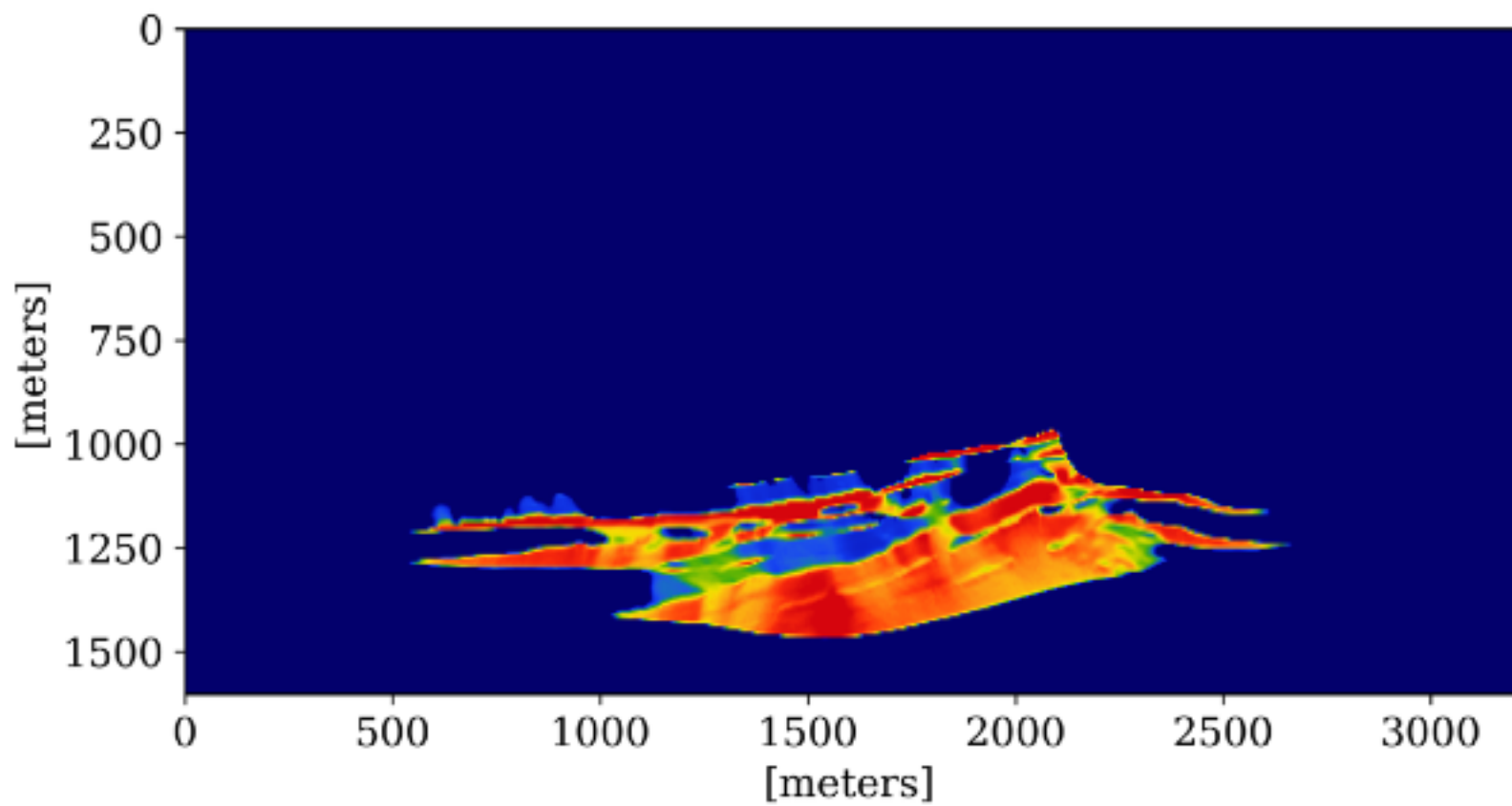
Situation

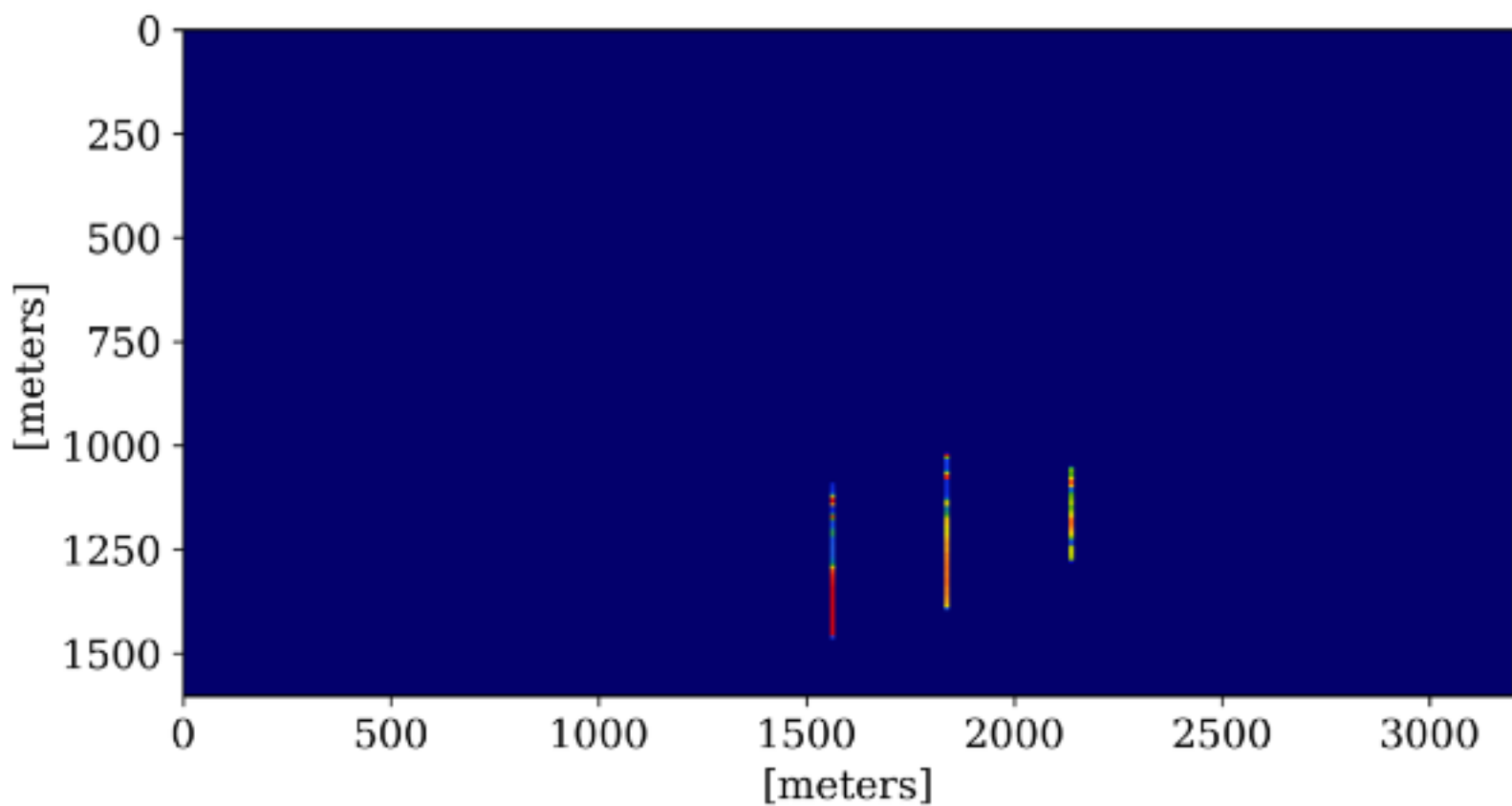
Two types of time-lapse CO₂ plume observations

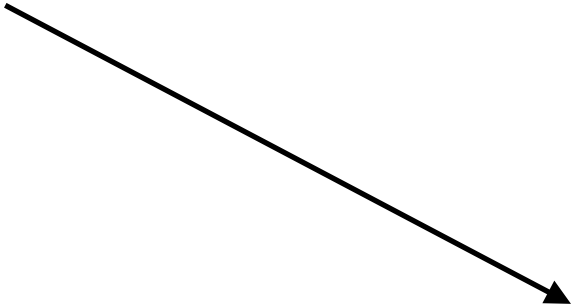
- ▶ direct but local – borehole(s)

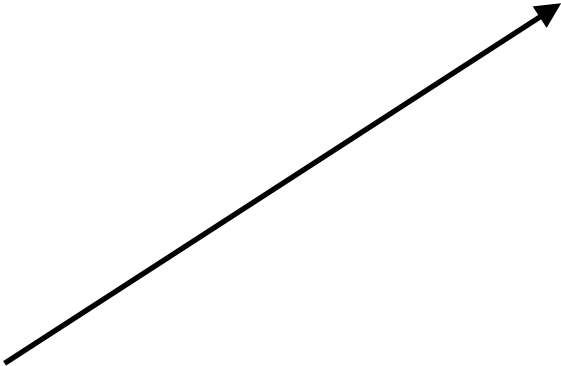
- ▶ indirect but global – seismic

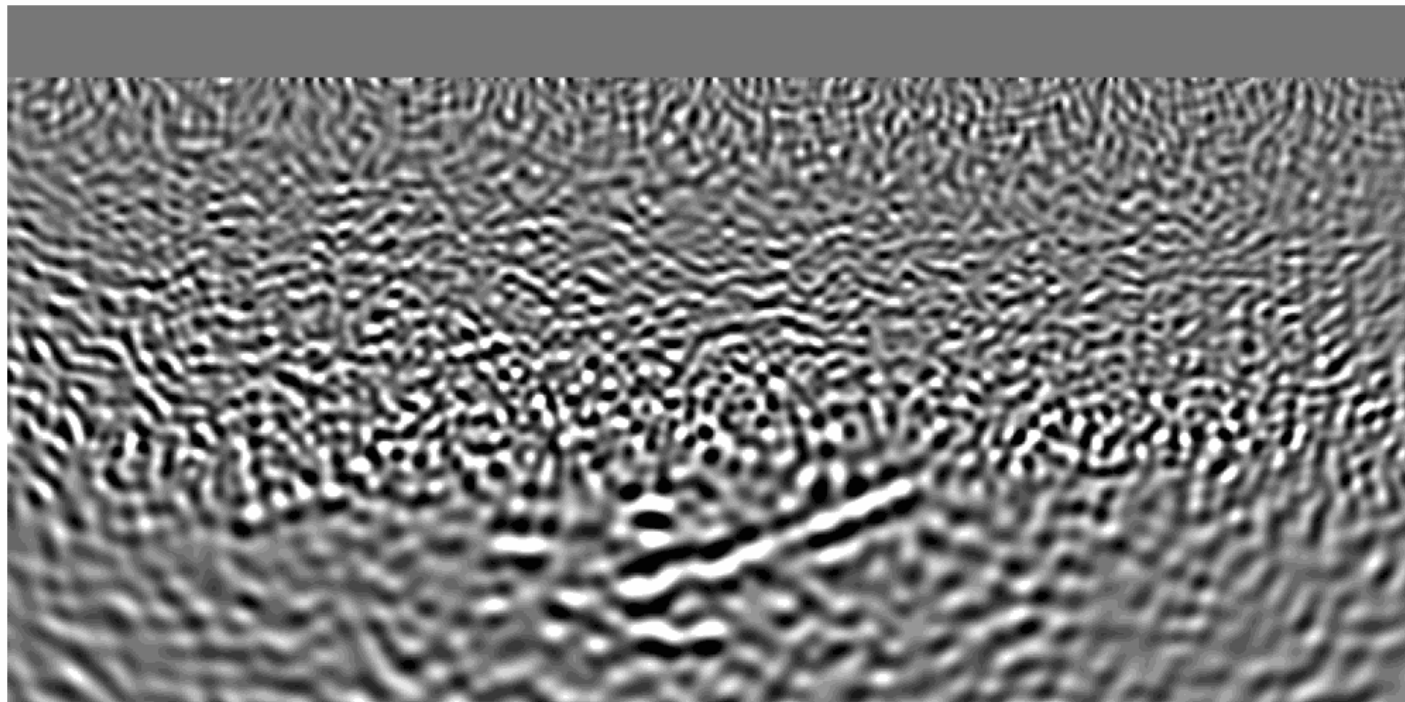








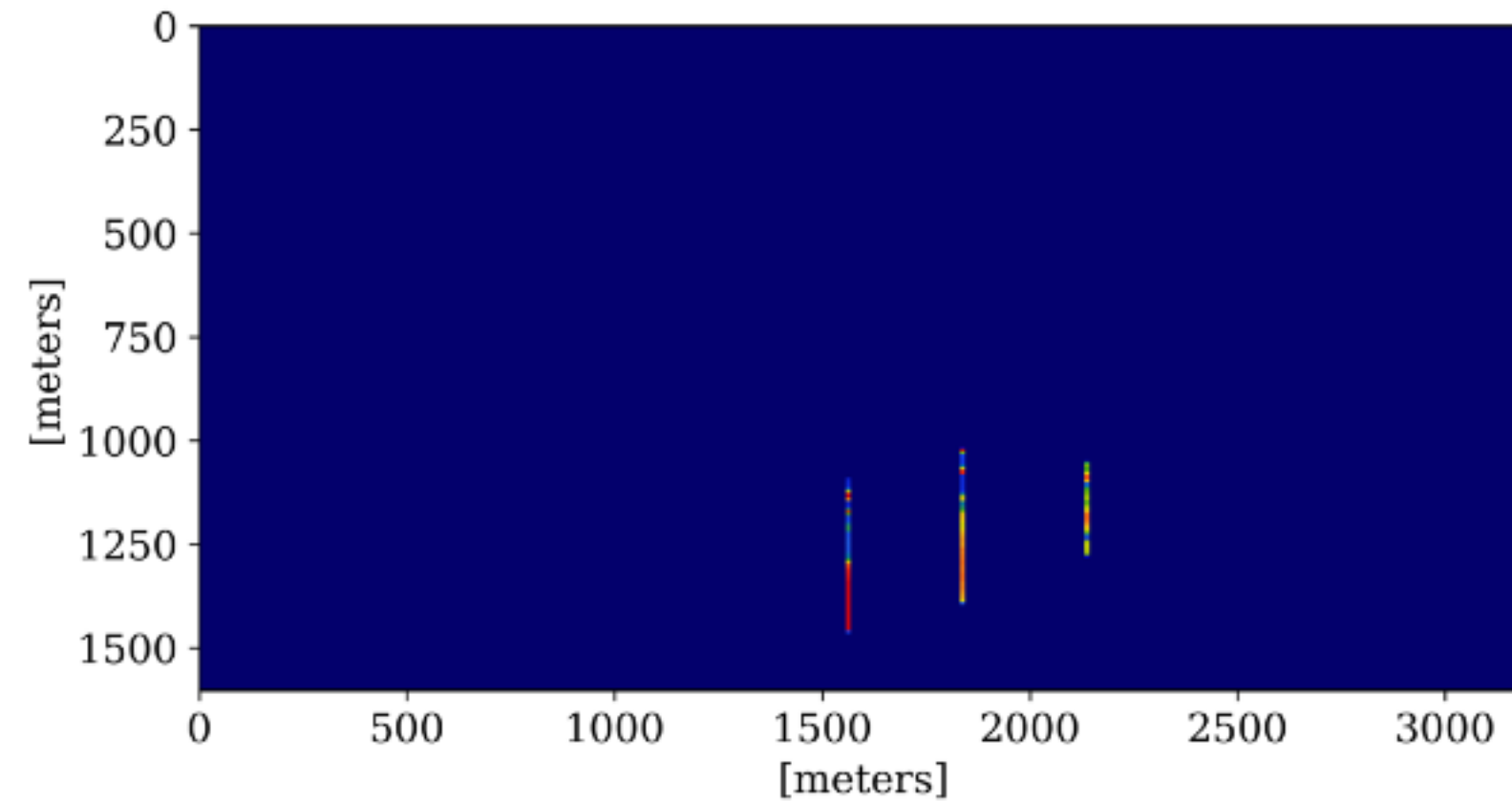




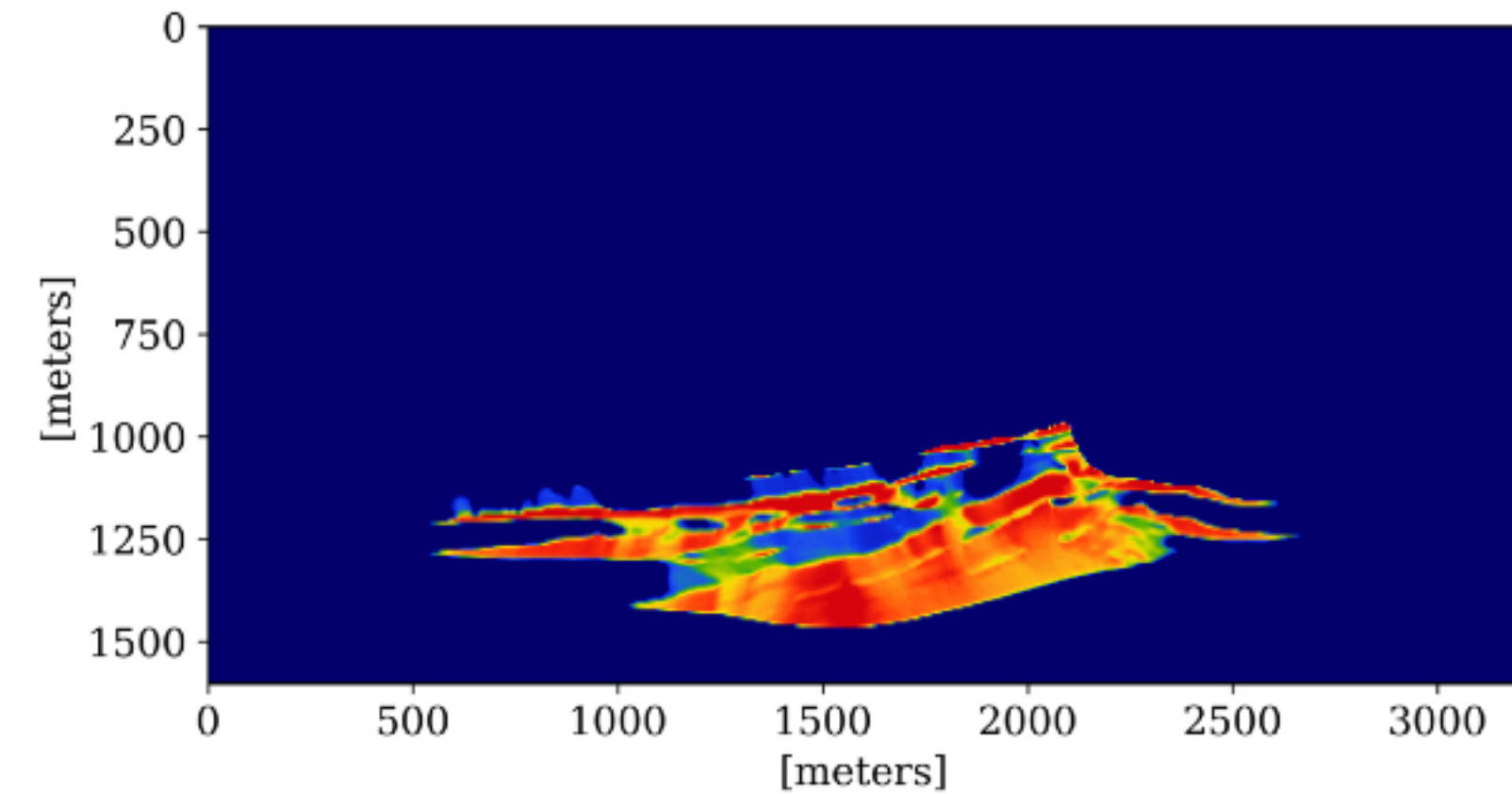
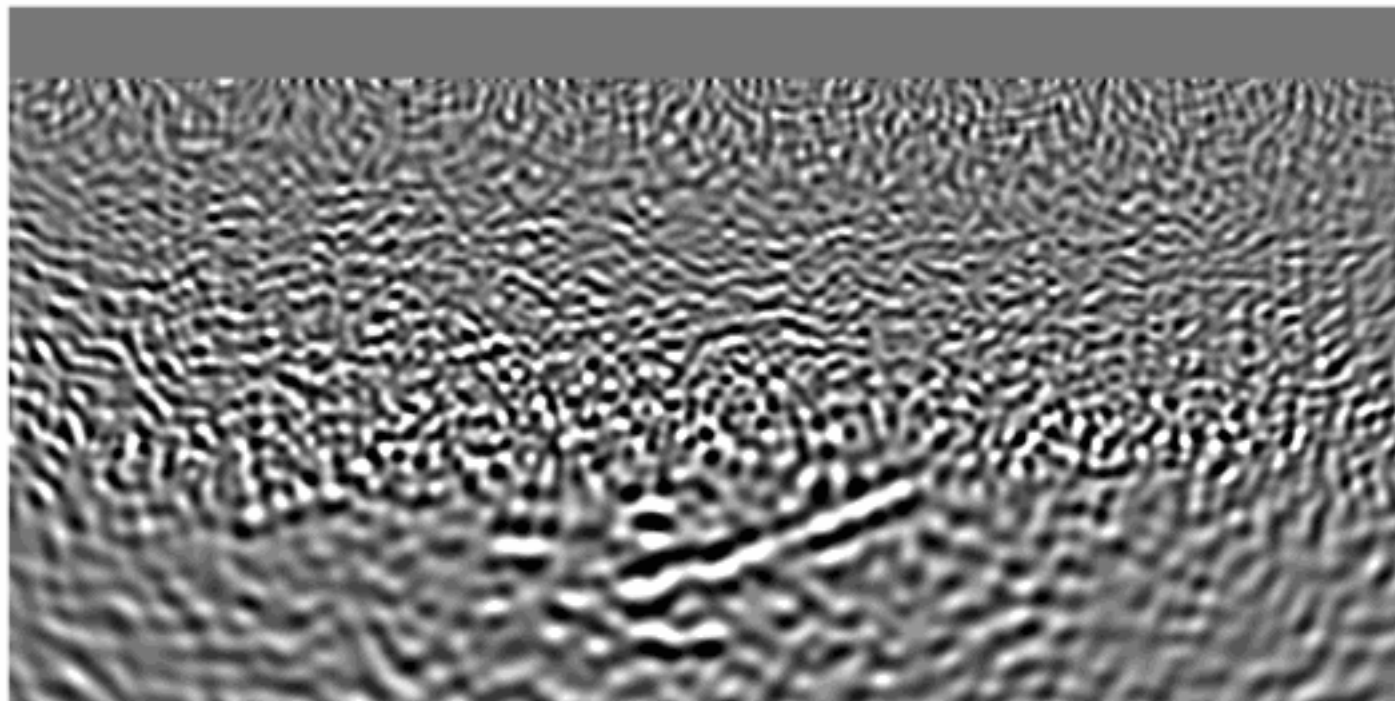
Situation

Two types of time-lapse CO₂ plume observations

- ▶ direct but local – borehole(s)



- ▶ indirect but global – seismic



Problem

CO₂ project lasts years thus can drill more wells but:

- ▶ many location options
- ▶ expensive



Operators deciding well locations should be informed by

- ▶ current knowledge of the CO₂ plumes
- ▶ physics simulations of plume forecasts