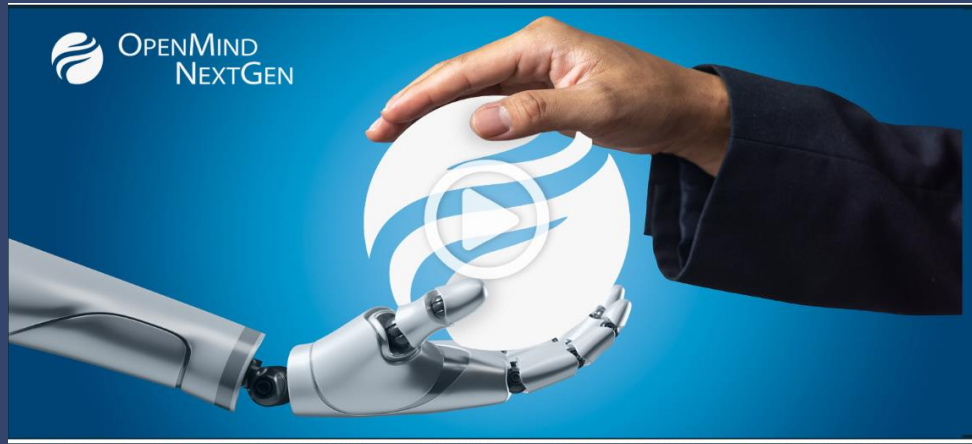
OpenMind NextGen

OpenMind 2.0



A world class autotracker for free!

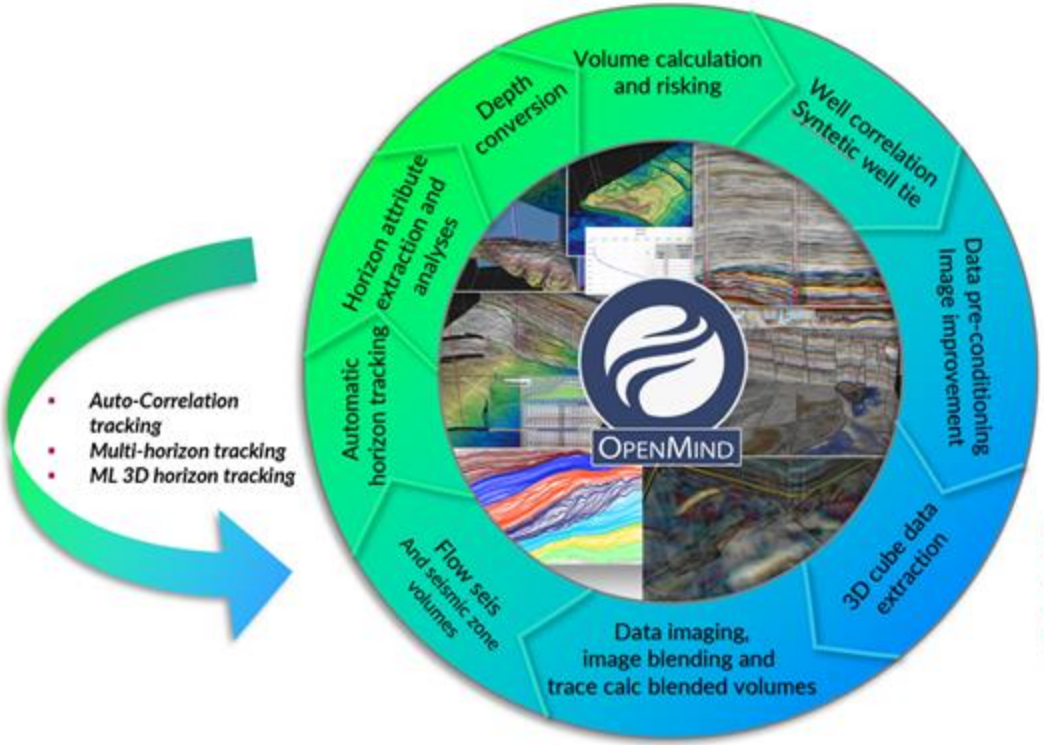
Seisflow

Beyond amplitude tracking

https://geomind.tech

OpenMind NextGen

OpenMind 2.0



- *Auto-Correlation tracking*
- *Multi-horizon tracking*
- *ML 3D horizon tracking*

- *ML Ajax*
- *ML RBlendD*
- *ML SharpenRefl*
- *ML-Offset cube balancing*

- *RAI*
- *RBlendD*
- *3D ML Faults*
- *RGB Blend*
- *AVO Screening*

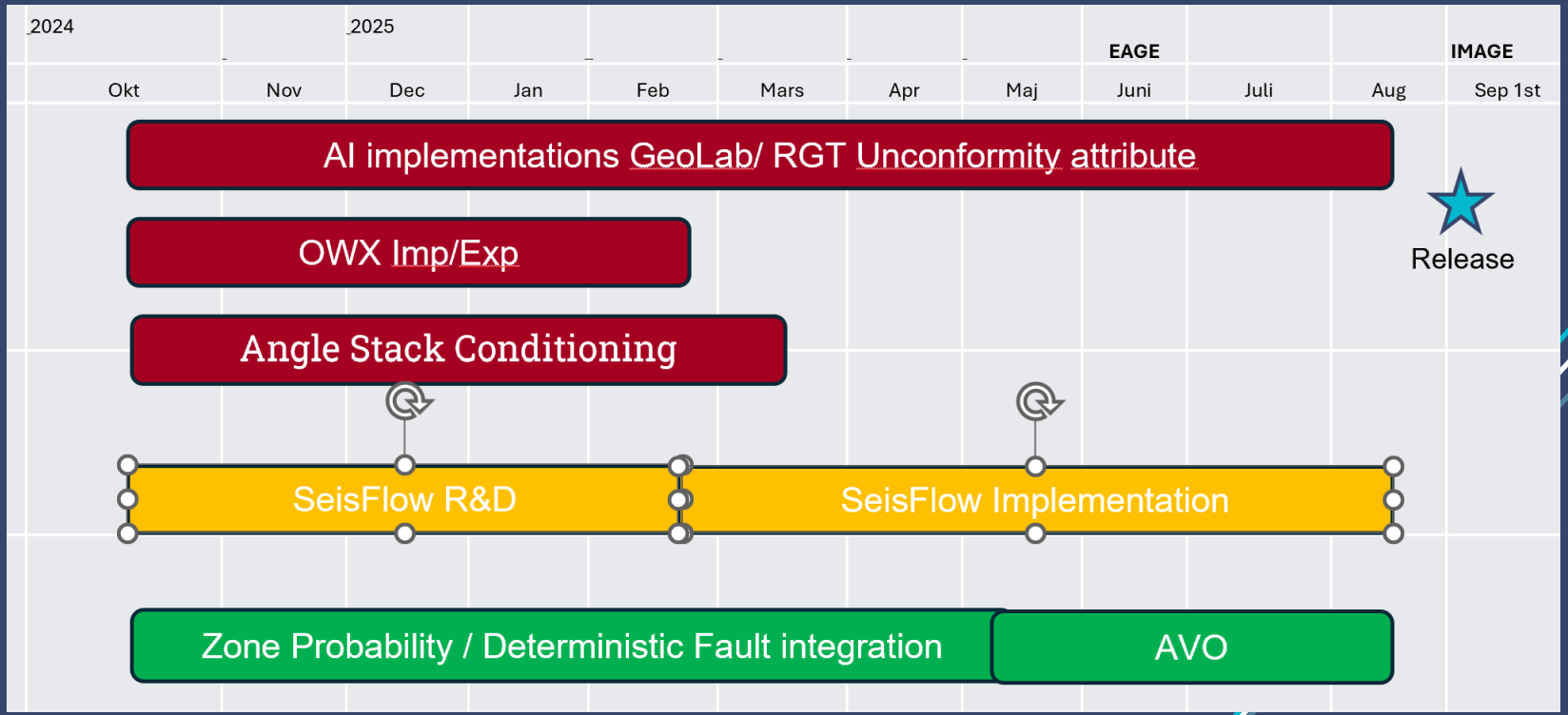
- *Optimize for seismic data-based exploration/prospect definition*
- *(Export ZGY to other systems)*

Fast – Efficient - Low$

https://geomind.tech

OPENMIND 2.0 - GLOBAL COMMERCIALIZATION

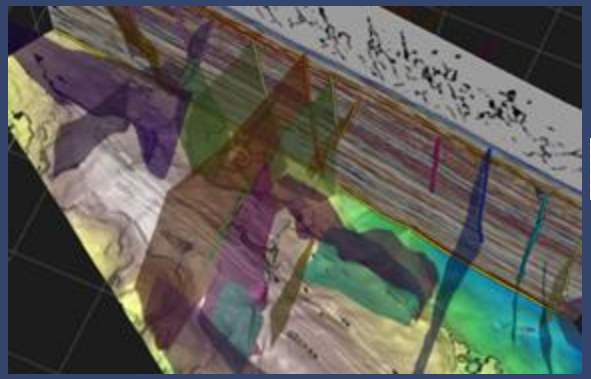
September 1st, 2025



OpenMind NextGen

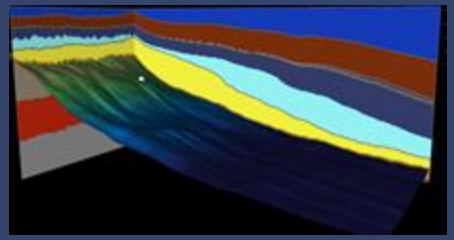
Create your fault & zone probabilities from your interpreted faults and horizons

Interpretation



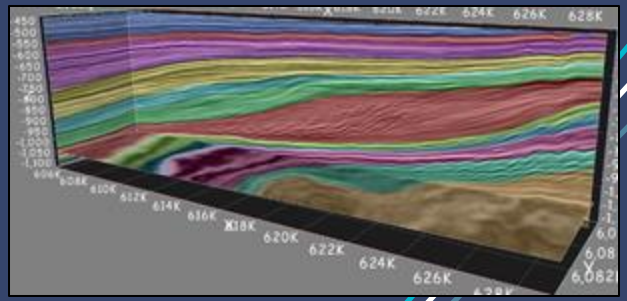
Fault/Horizons

Zone



Fault/Zone Probability volumes

Seisflow



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StratCracker First order

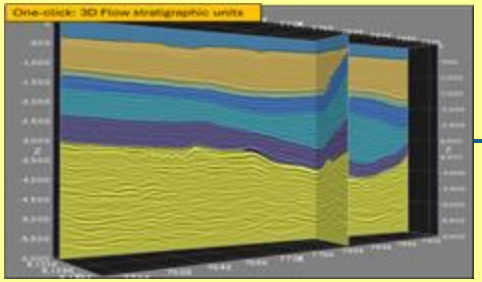
INPUT

3d Seismic
- Fault prob
- Ajax
- AVO FF/RGB/RMS amp…
- Slope

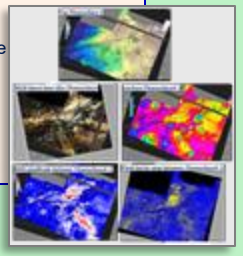
Automatic horizons via FlowScanner

Interpretation
(external/internal or mix)
- Horizons
- Faults

Zone Builder → **Zone volume**



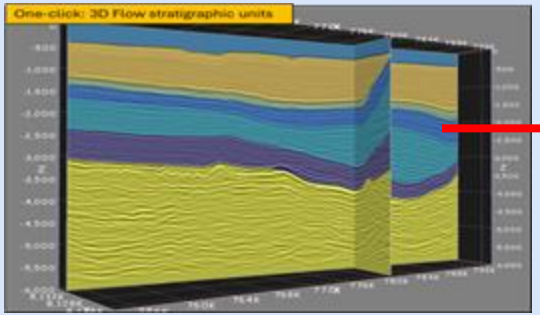
OUTPUT PRE-MAID (In batch)
ATTRIBUTE MAPS
- Generate and display associated attributes:
  - RMS amp, max positive, max neg
  - RGB blend
  - Etc
- Instantaneous available
- Individual maps and/or
- Tile map viewer:
  2, 4, 6 tiles
- Horizon/level player



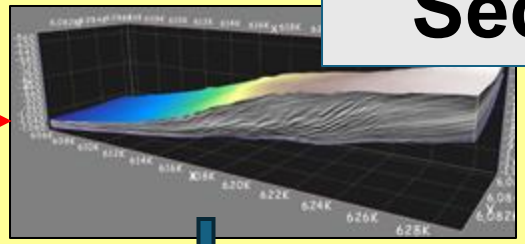
Second order…

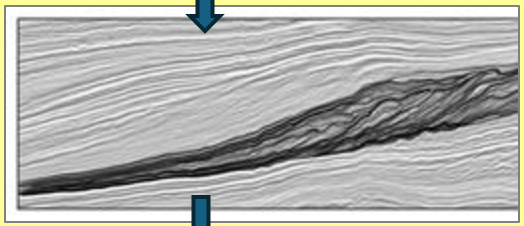
INPUT

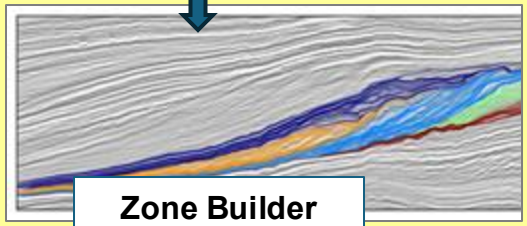
1st Order Zone volume



FlowScanner

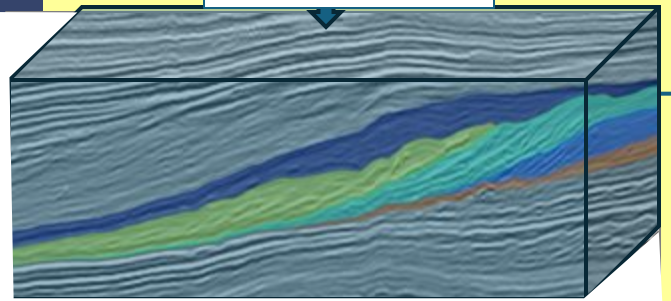




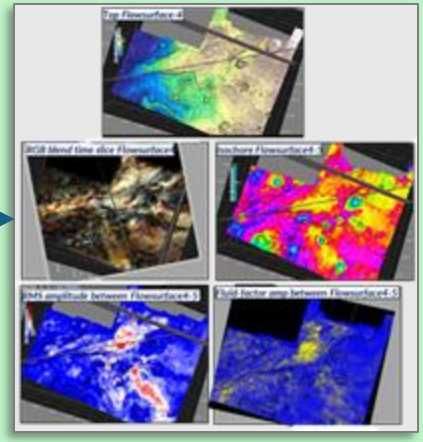


Zone Builder

Zone Builder



2nd Order Zone volume



Exploring seismic data in the flowline domain: Automated extraction of unconformities, sequence boundaries, and conformable reflections

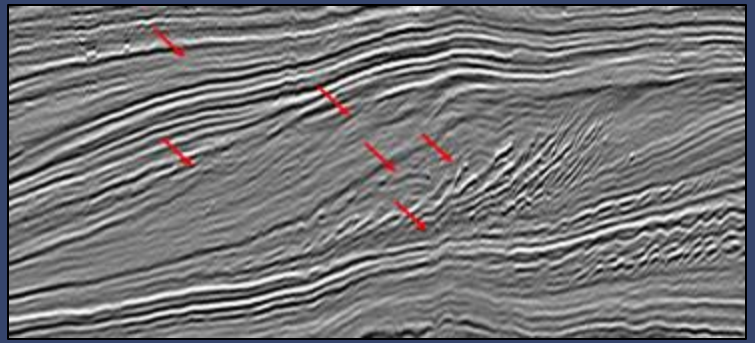
Dennis Adelved, Jan Erik Lie, Aina Juell Bugge, and Peter Bormann

https://doi.org/10.1190/tle44030214.1

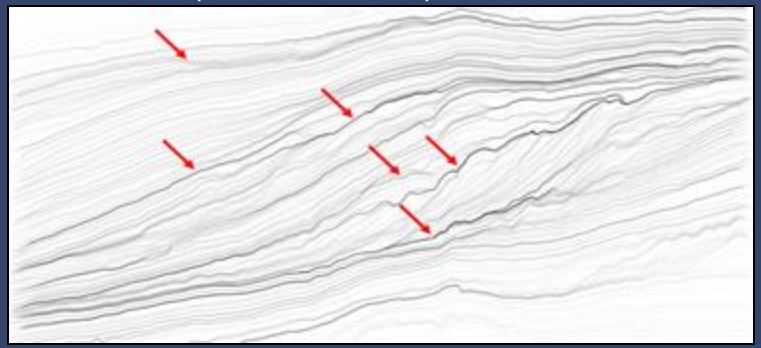
Pages: 214–223 | Published Online: 3 March 2025

The Leading Edge

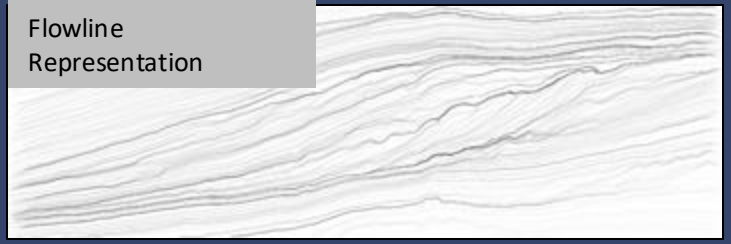
Seismic Input



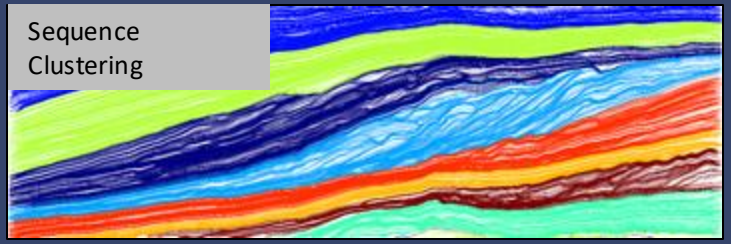
Dip field to flowline representation



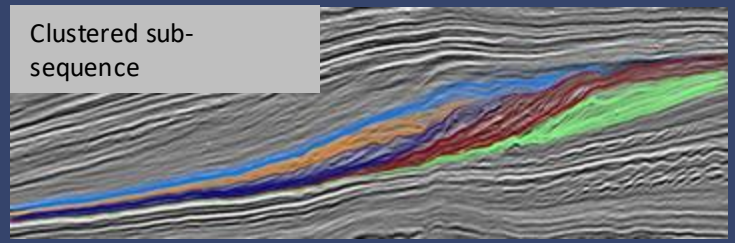
Flowline Representation



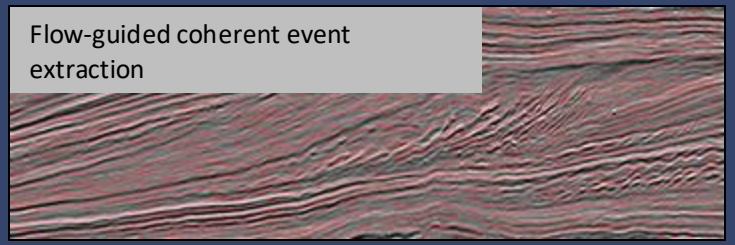
Sequence Clustering



Clustered sub-sequence

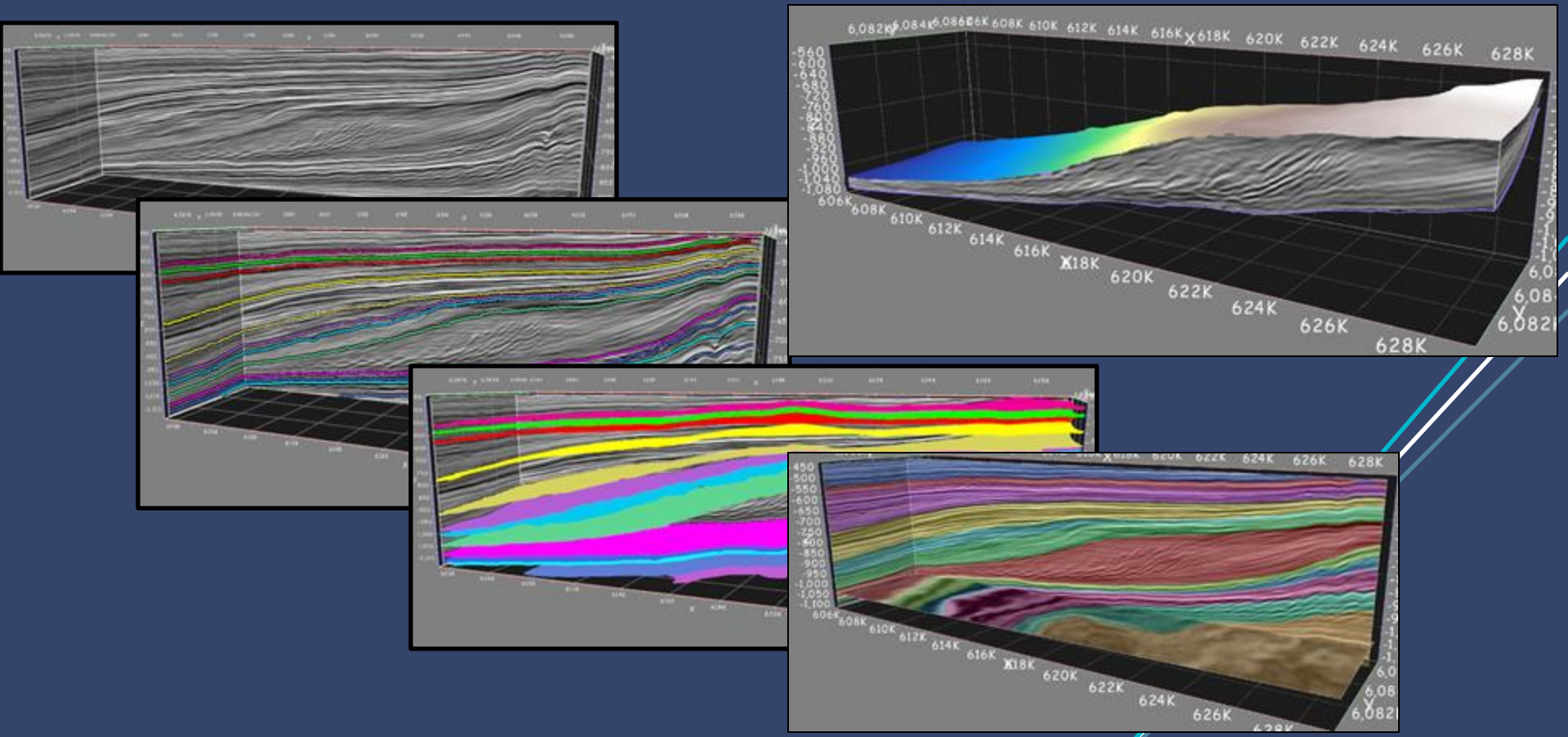


Flow-guided coherent event extraction



OpenMind NextGen

One-click automatic seismic facies mapping with selection



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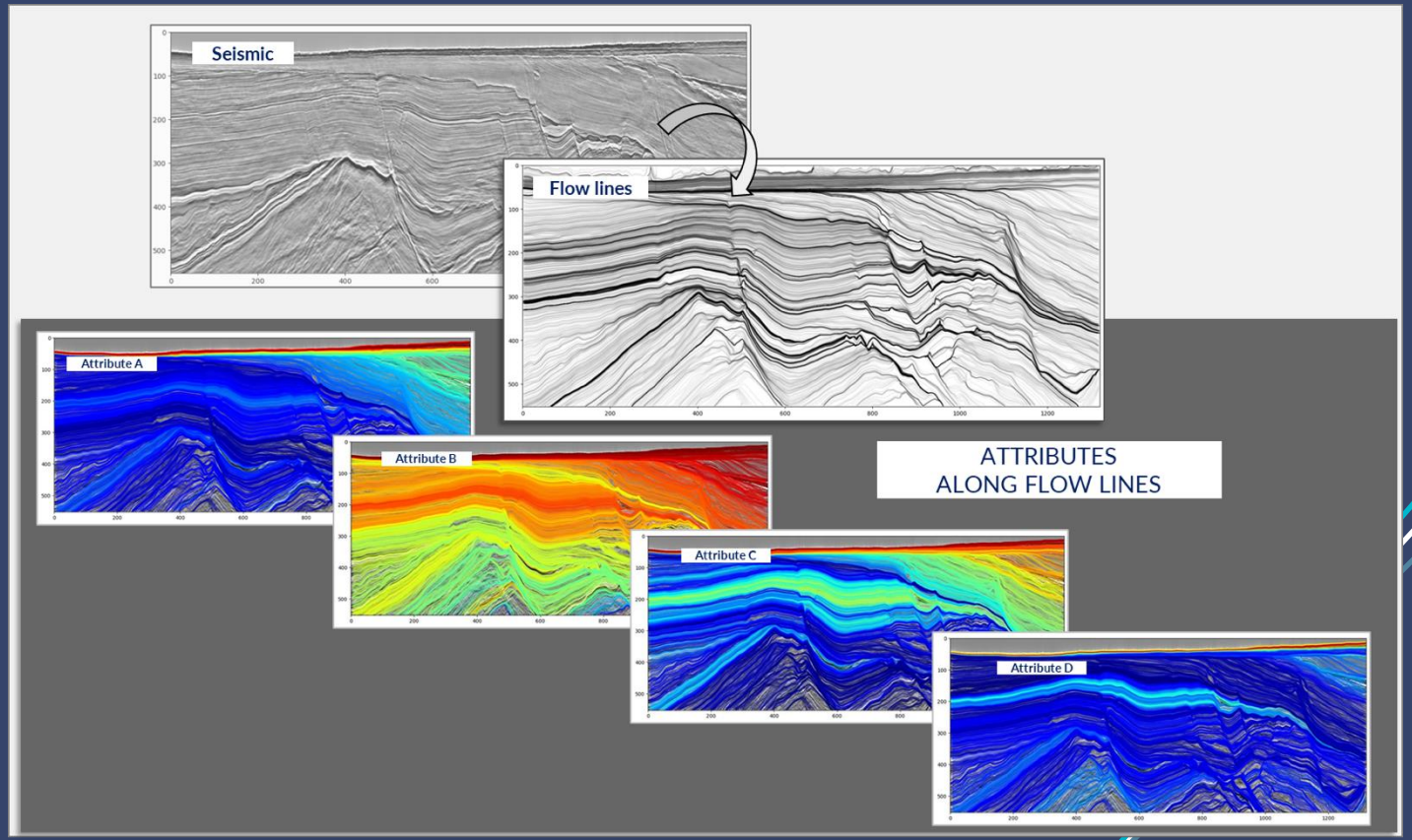
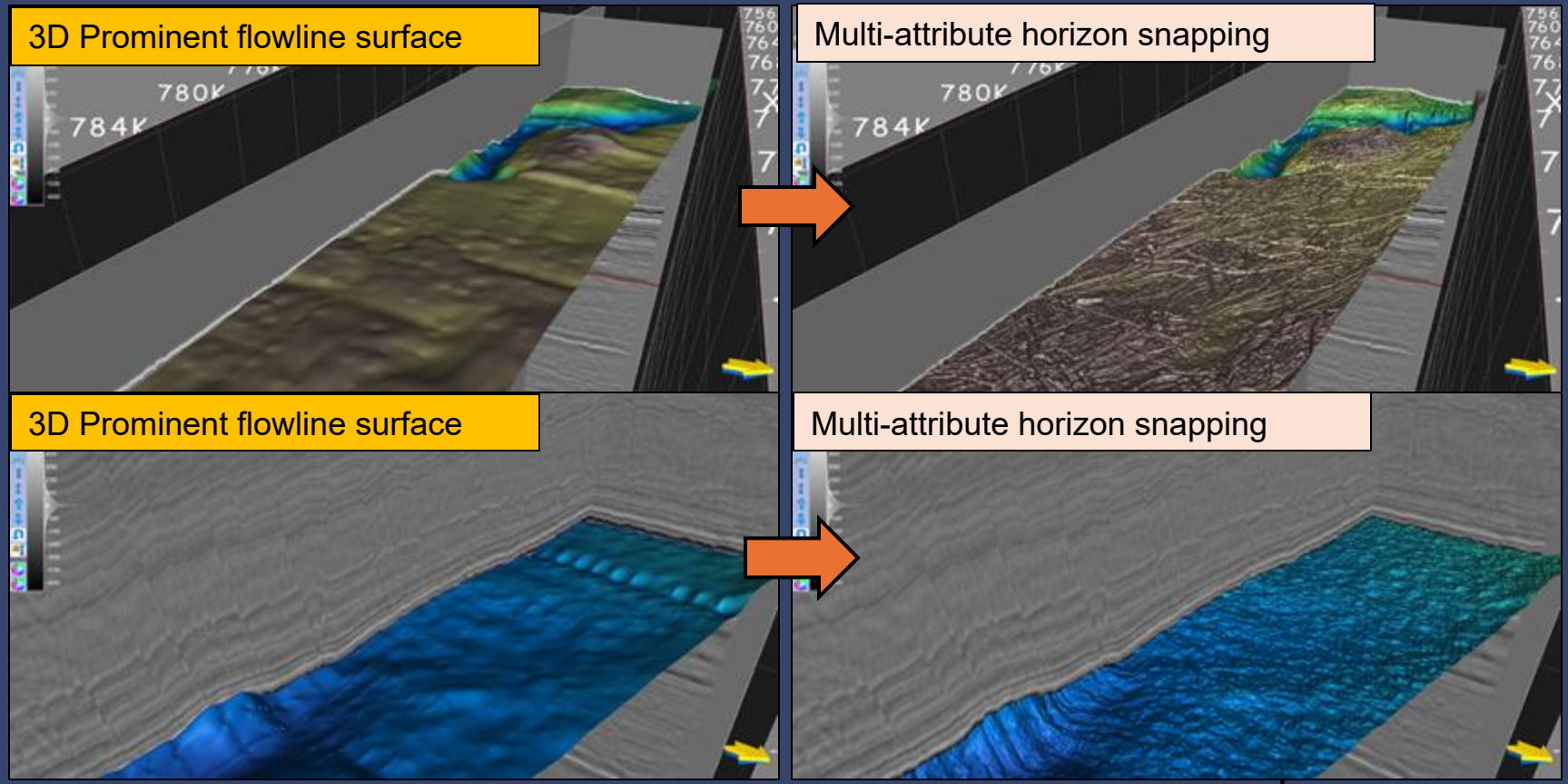
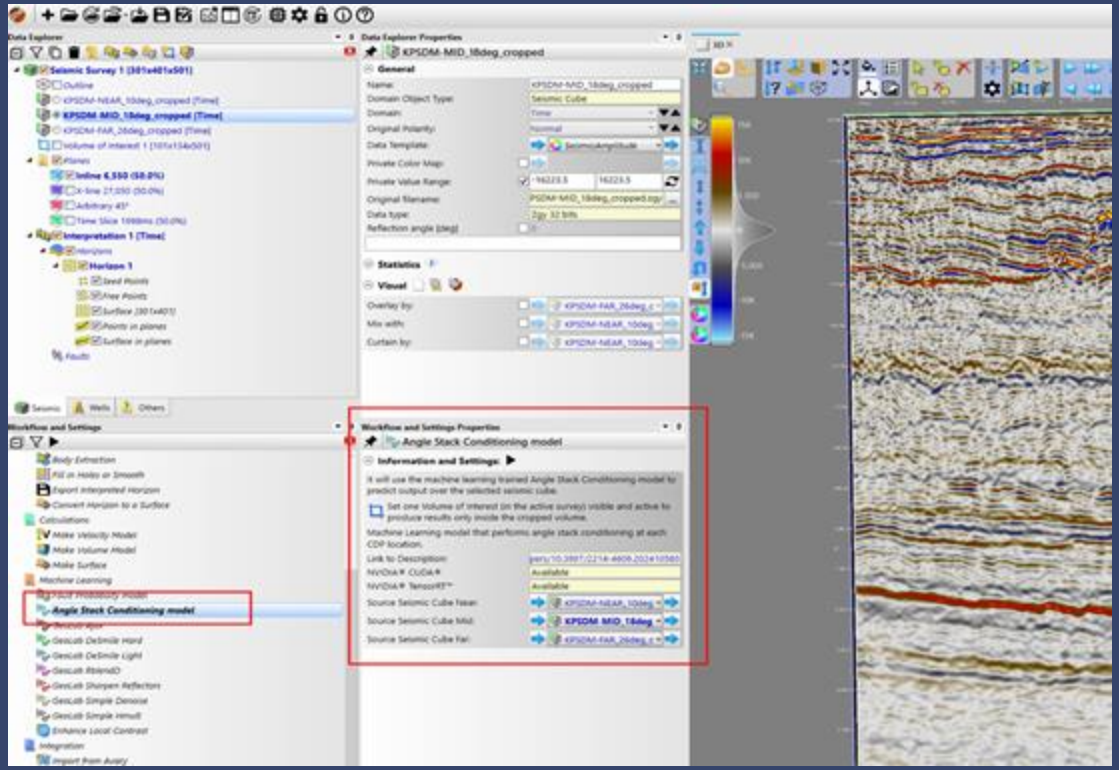
Attributes along flow lines



From selected 3D Prominent flowlines towards robust multi-attribute horizon snapping; Guided by time-warp correlation, coherency-, energy- and frequency attributes.



Efficient Angle Stack Conditioning Using a Convolutional Neural Network (Huff, EAGE 2024)



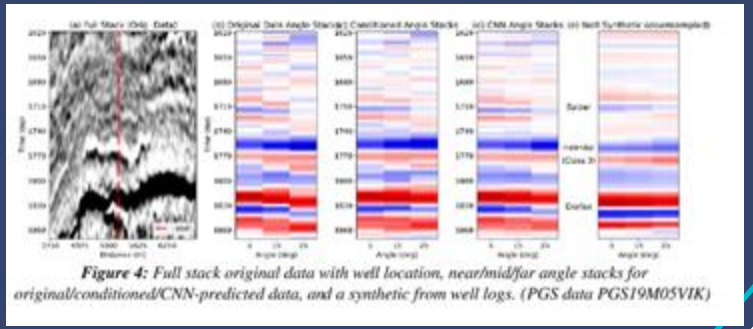
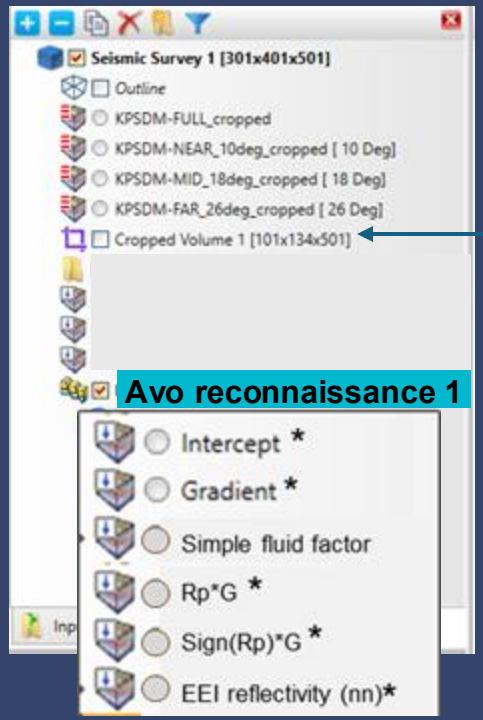


Figure 4: Full stack original data with well location, near/mid/far angle stacks for original/conditioned/CNN-predicted data, and a synthetic from well logs. (PGS data PGS19M05VIK)

Basic AVO - Reconnaissance workflow

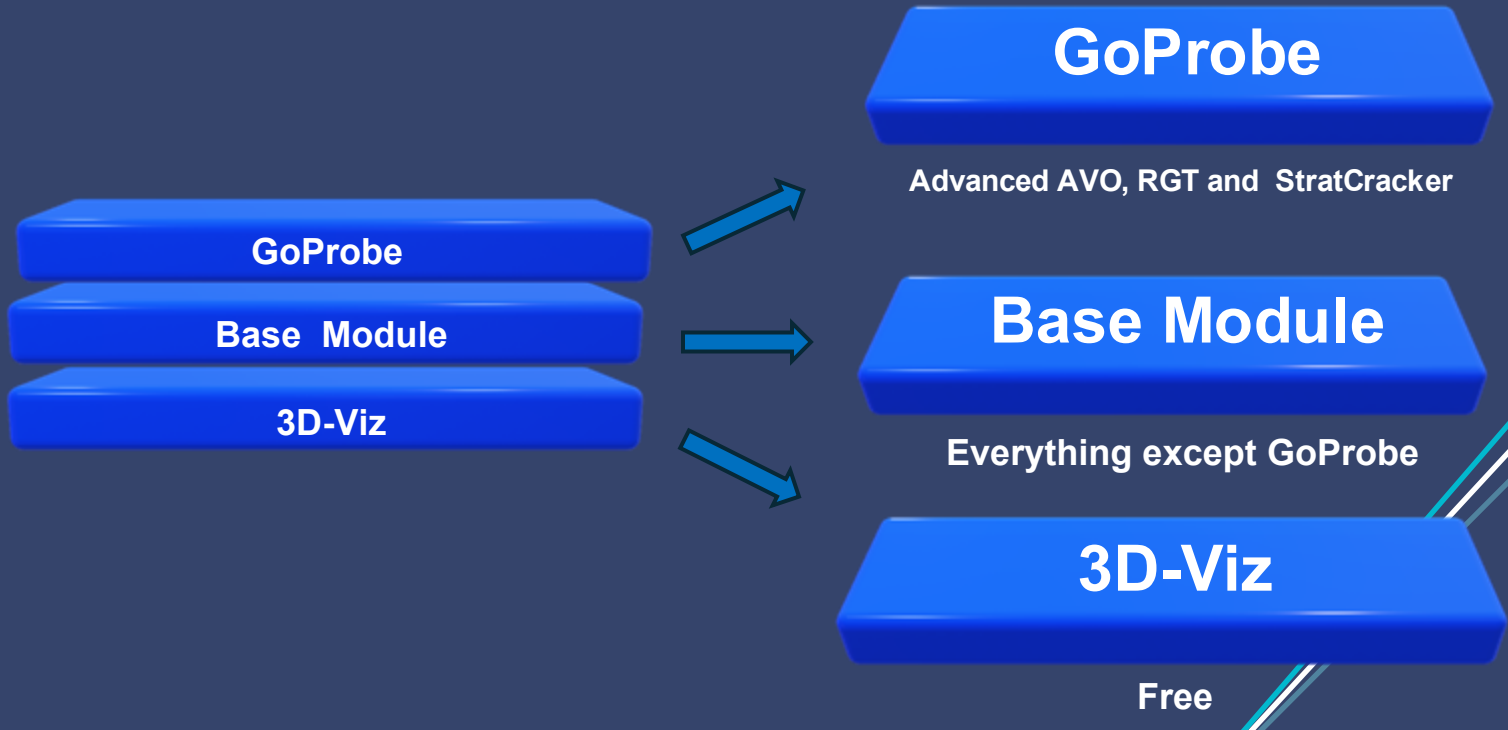


The **cropped volume** is used to limit the volume where calculations are run

Input to the calculations are the input angle stacks, within the cropped volume

It is suggested that we limit the calculations to the data that is currently visualized (either on plane(s) or horizon(s), or the sides of the cropped volume)

OpenMind Rental Model



OpenMind Rental Model

Currency USD	1 Week	1 Month	1 Year
3D Visualization	Free	Free	Free
Base Module *	300	1000	10000
OpenMind GoProbe **	300	1000	10000
OSDU	100	300	3000

* Includes everything except GoProbe

** Includes StratCracker (SeisFlow) RGT and Advanced AVO

*** Companies with < 10 employees ½ price

**** Universities Free

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