Discussion

Only seismic inversion that combines

- Model based single-step inversion

- Multiple petro-elastic models

- Categorical and continuous values

- Bayesian inference -> probabilistic results

- Spatial continuity

- Seismic and well match

Test Results:

- All results match the seismic

- Realistic – looking facies bodies

- Results depend on prior model!

- This demonstrates inversion non-uniqueness, dependence on prior distribution

- Should trigger discussion with geologist