

Seismic Imaging and Model Building

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Friday, March 18, 2016, from 10:15

Room 30201 (former 3137),

3rd floor, Høyteknologisenteret (data blokk)

Abstract

Seismic imaging is an important tool for understanding the subsurface in oil and gas exploration and production. Going from recorded seismic data to a high resolution seismic image requires several steps of data processing, model building and migration, often run through several iterations. In this talk I will cover some of the techniques involved in the seismic imaging pipeline, with focus on data driven model building and migration. I will cover how data and images can be analyzed in different domains, and discuss some of the challenges in producing high quality seismic images.

