

Perspective from Tech SME

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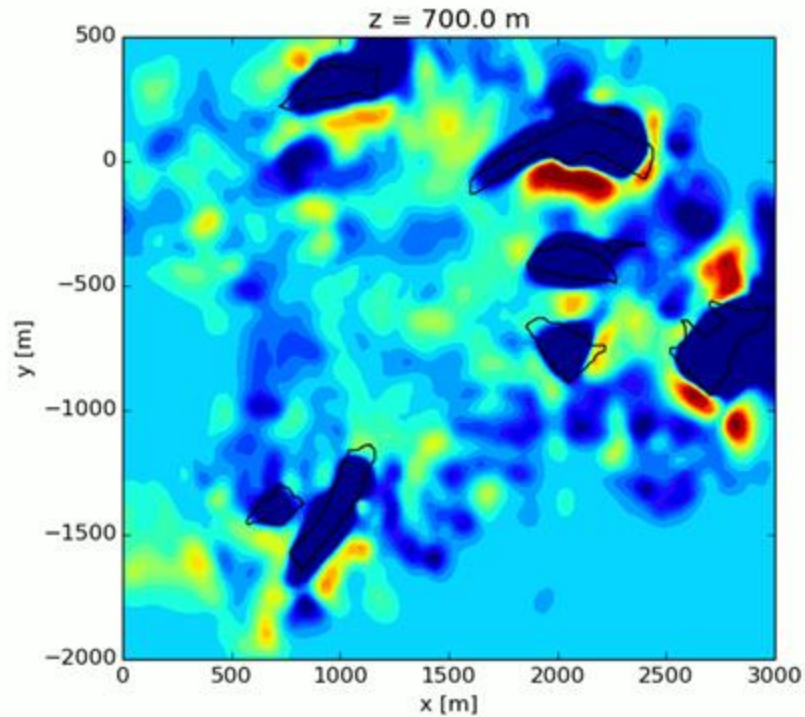
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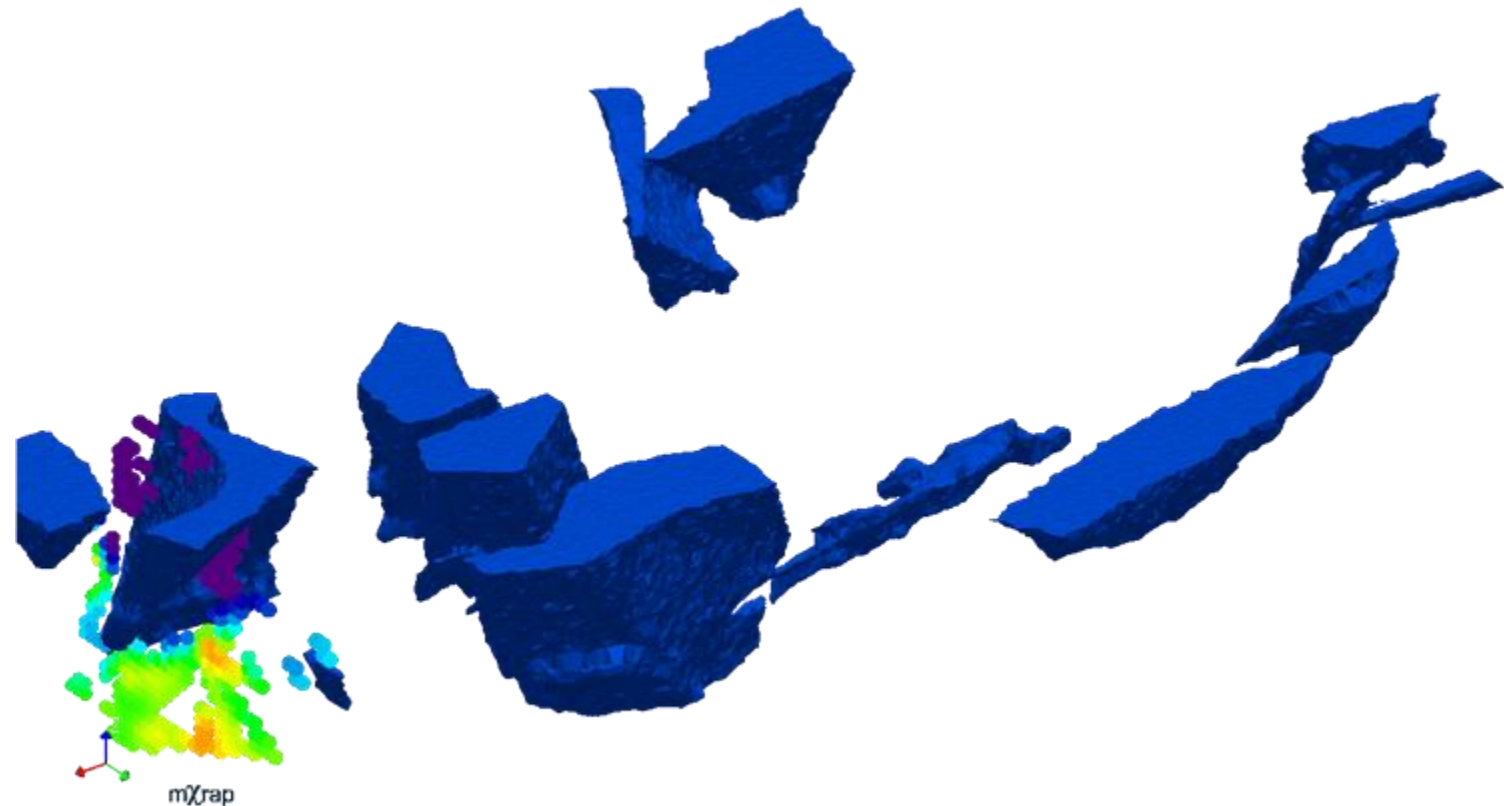


RockSigma AB

An automatic seismic processing engine for underground mines



10^6 seismograms every day
>100 TB every year



How HPC can boost sustainable development and strengthen competitiveness?

- HPC can significantly **shorten ML model training time**
 - Processing one year data takes very long time
- However, model serving must still be done in the cloud
 - Hence, utilizing HPC leads to **increased development costs**
- Using the Cloud for AI model training is **very expensive**
 - Building our own small-scale on-prem compute cluster
- We need to make public HPC simpler to use
 - Data management
 - DevOps and Automation is very important
 - Cloud-like APIs
 - Security
 - Tools/frameworks

What about if the same software stack/workflows could seamlessly run in the Cloud and HPC?