## ML-based Fault and Fracture Imaging from Seismic Data for a Carbon Capture and Storage Site

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## We developed a workflow for Seismic Event Monitoring with Intelligent AI (SEMIAI) to improve the speed of fault and fracture imaging for carbon storage sites.

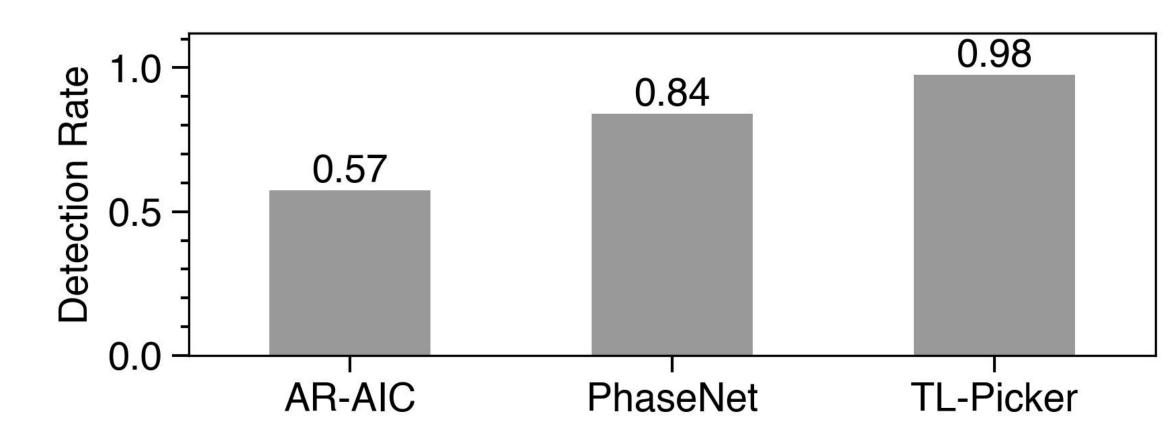
## **Passive Seismic** Waveforms

**TL-Picker** 



## **Transfer Learning Picker**





TL Picker is 10,000 times faster than human analysts and outperforms two existing methods on arrival picking for carbon storage data.



# **Event Locator**

