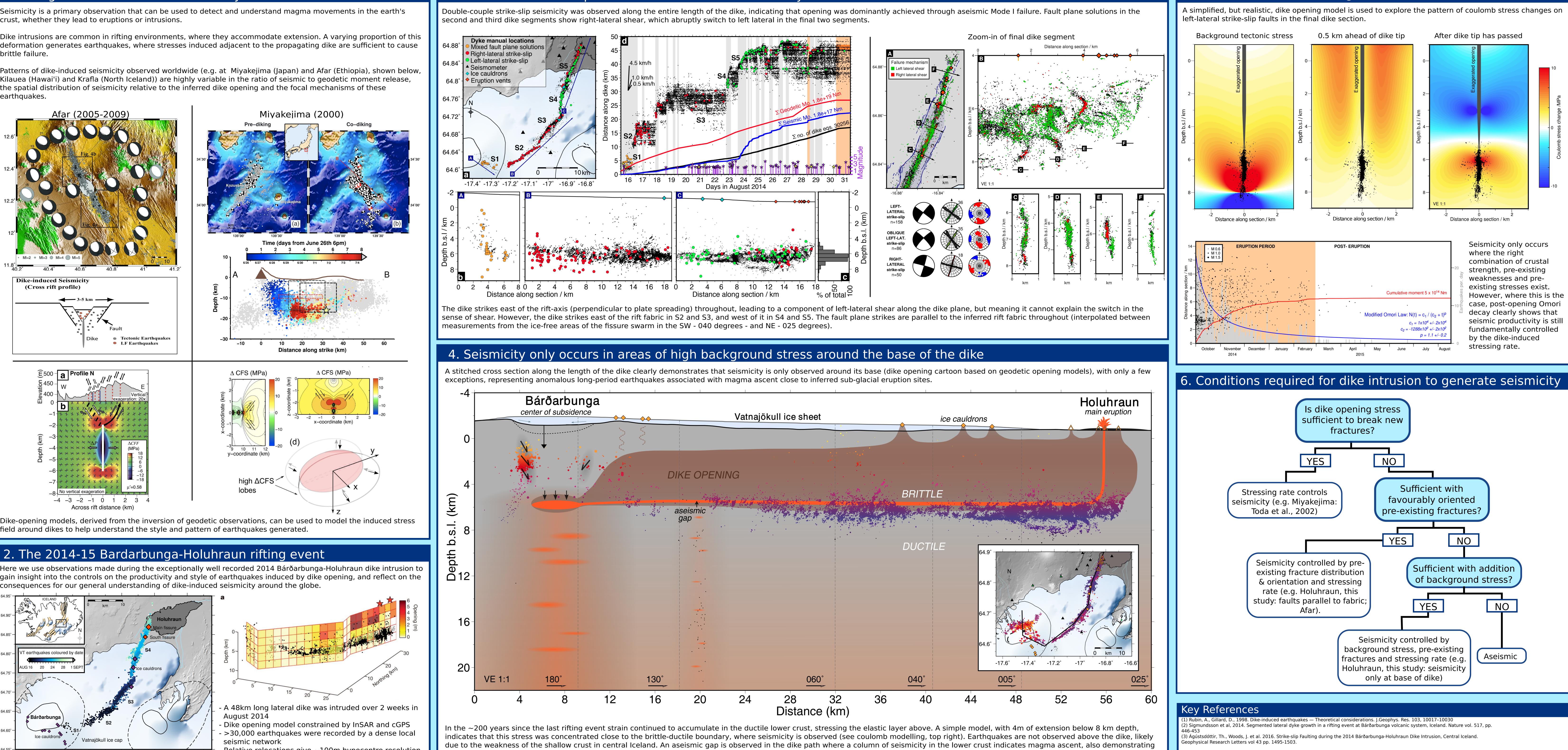


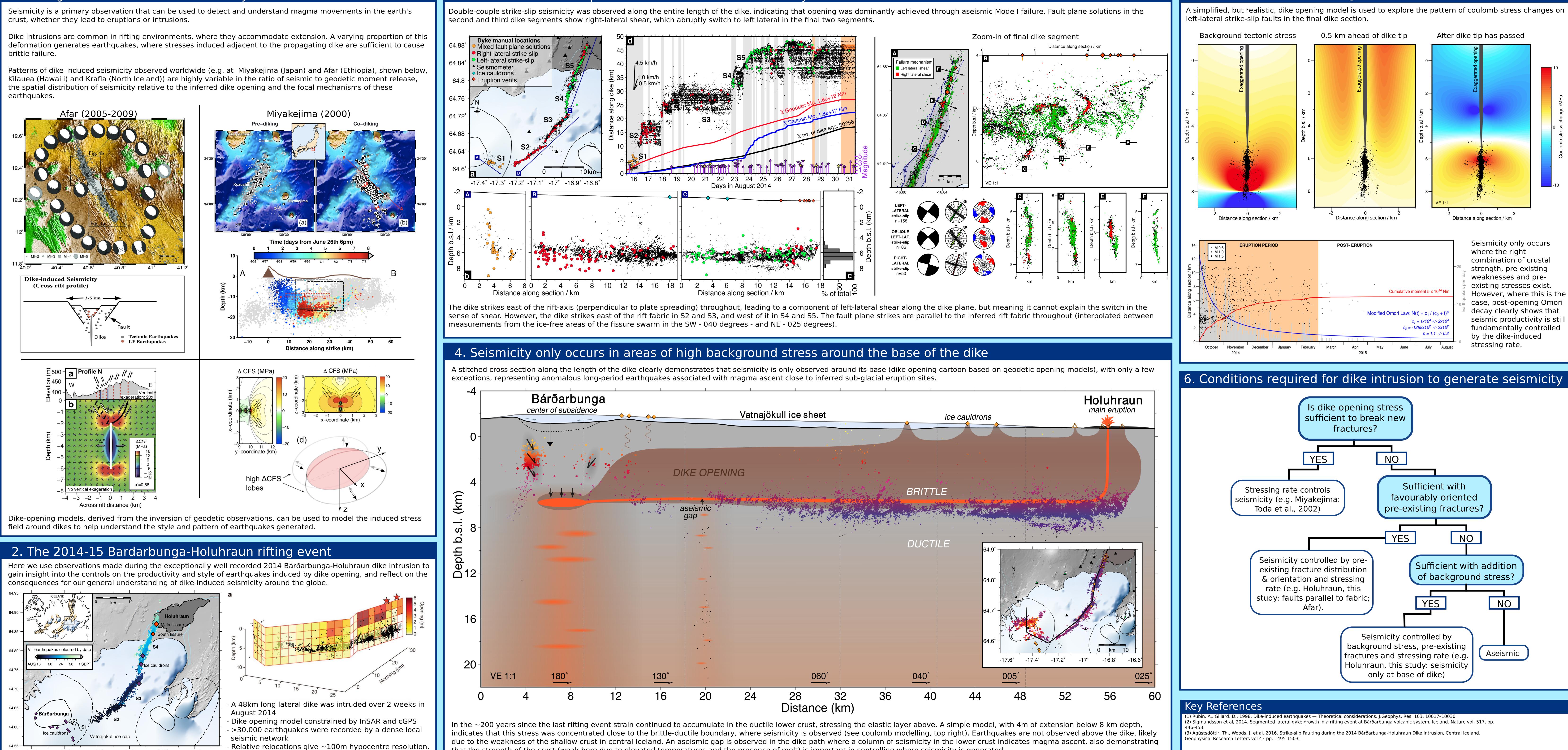
### 1. Background: dike-induced seismicity



-17.40° -17.20°

-17.00°

-16.80°



# The importance of pre-existing structures and stresses to dike-induced earthquakes: The 2014-15 Bárðarbunga-Holuhraun rifting event, Iceland

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# 3. Dike-induced earthquake mechanisms are controlled by rift fabric orientation

that the strength of the crust (weak here due to elevated temperatures and the presence of melt) is important in controlling where seismicity is generated.



## 5. Coulomb stress modelling