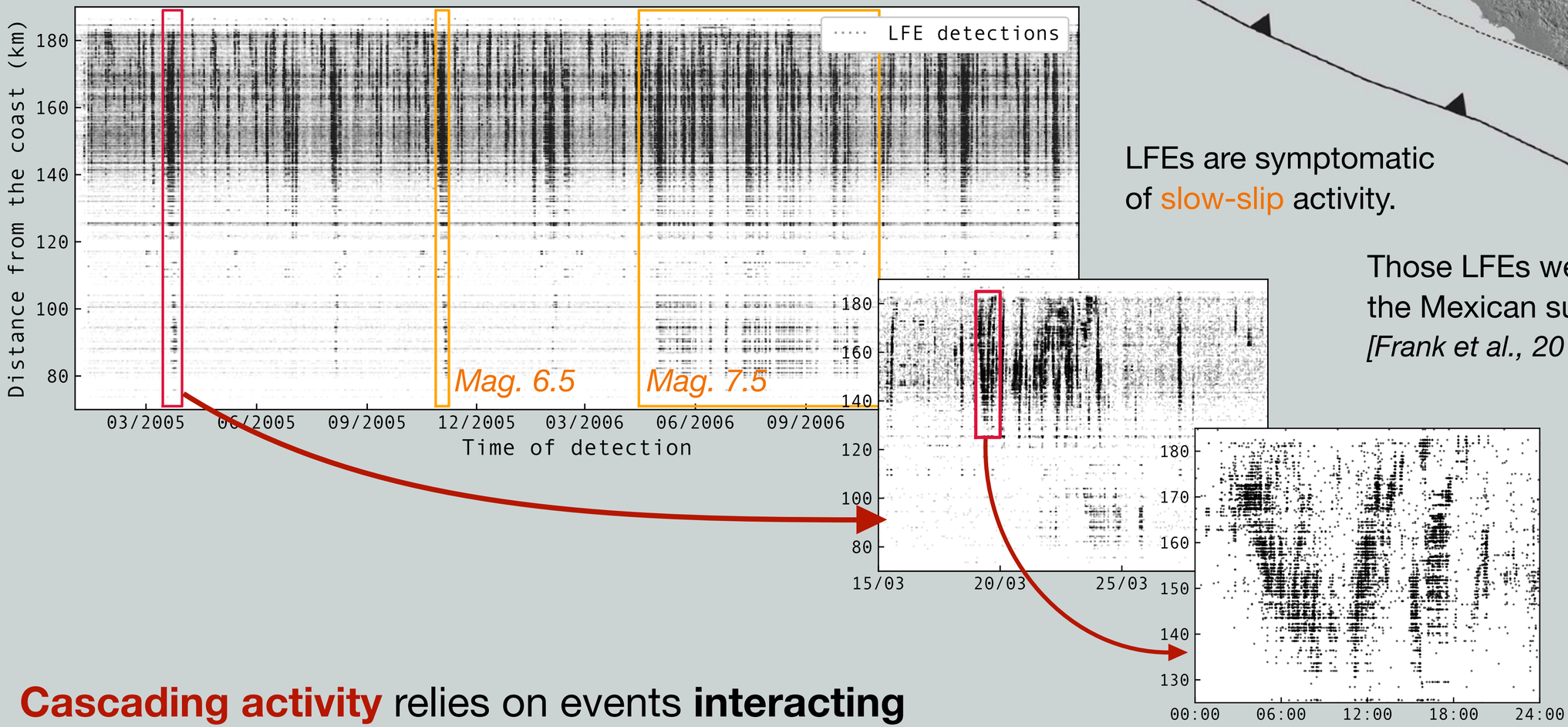
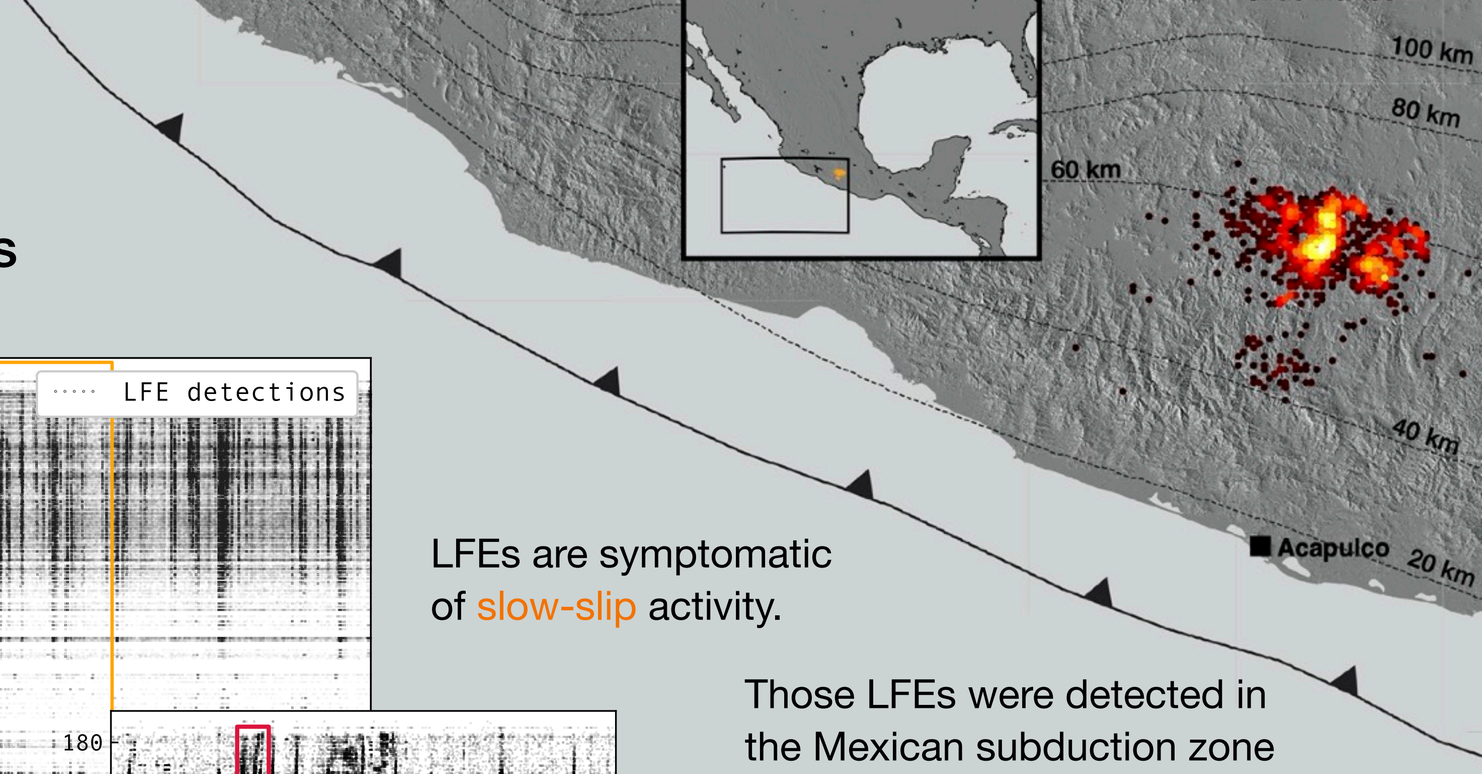
Low-frequency earthquakes (LFEs) happen in bursts, or cascades of events across a variety of time and space scales



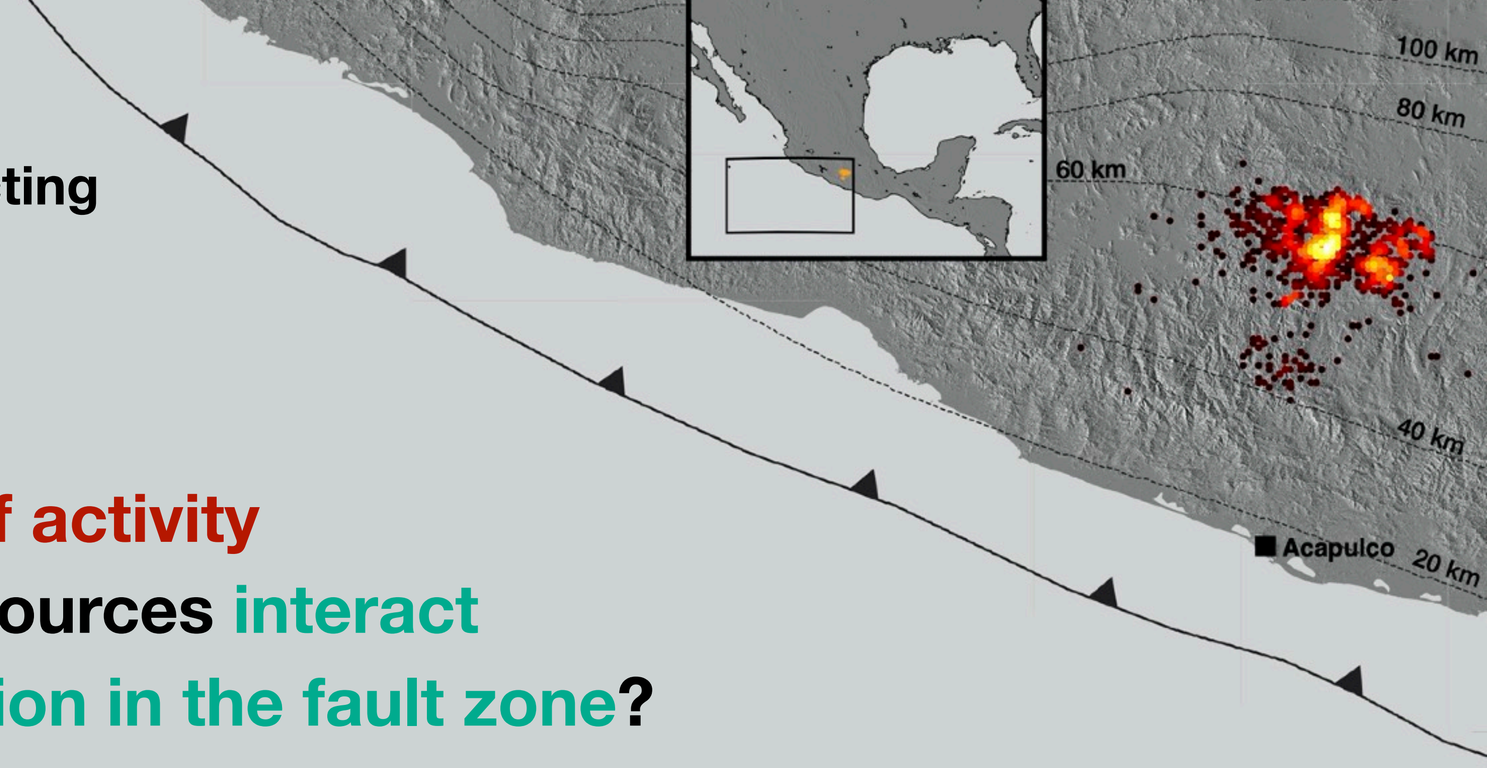


LFEs are symptomatic of slow-slip activity.

Those LFEs were detected in the Mexican subduction zone *[Frank et al., 2014].*

Cascading activity relies on events **interacting**

Cascading activity relies on events **interacting**



Can we simulate this pattern of activity
using a model where LFE sources interact
through fluid diffusion in the fault zone?

In turn, could we use LFE activity patterns
to characterize fluid circulation at depth?