Take away:

In the data:

- LFE activity is intermittent, and happens in bursts, or cascades of events.

In this model:

- LFE sources are triggered and influence pore-pressure in their surroundings and thus interact with neighboring sources.
- Large-scale, intermittent, burst-like activity emerges from this interaction, only based on pore-pressure diffusion.

Perspectives:

- Refining the fault-valve, especially the healing phase.
- Exploring influence of injected flux (other control variables) on pseudo period.
- Linking activity patterns to variations of permeability/flux variations on the scale of a burst.

References:

Catalog of LFEs in Mexico:

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Magnitude of slow-slip events:

- **Frank, W. B.**, & **Brodsky, E. E.** (2019). ***Daily measurement of slow slip from low-frequency earthquakes is consistent with ordinary earthquake scaling.*** *Science advances*, *5*(10), eaaw9386.
- **Kostoglodov, V.**, Husker, A., Shapiro, N. M., Payero, J. S., Campillo, M., Cotte, N., & Clayton, R. (2010). ***The 2006 slow slip event and nonvolcanic tremor in the Mexican subduction zone.*** *Geophysical Research Letters*, *37*(24).

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