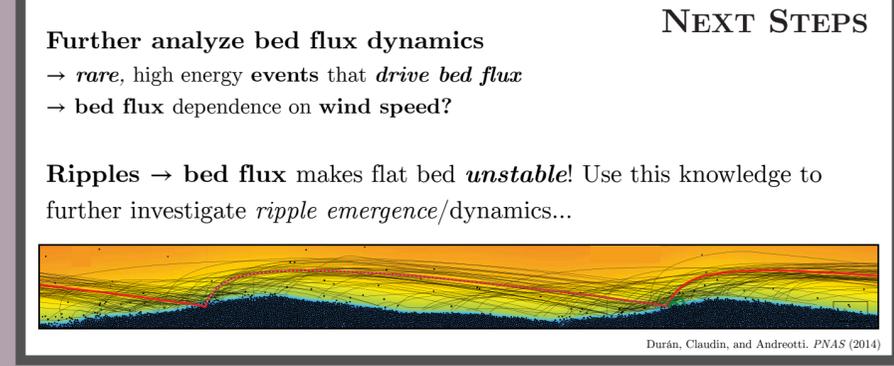
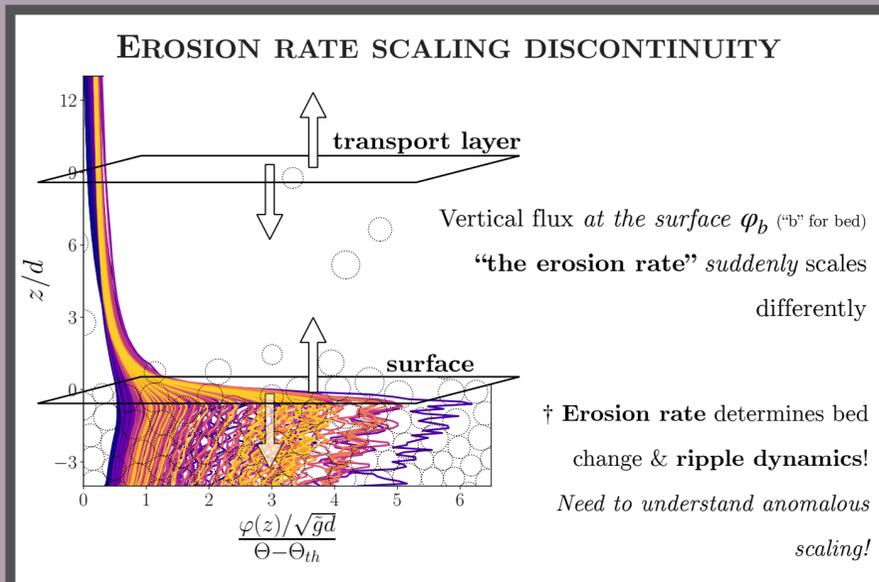
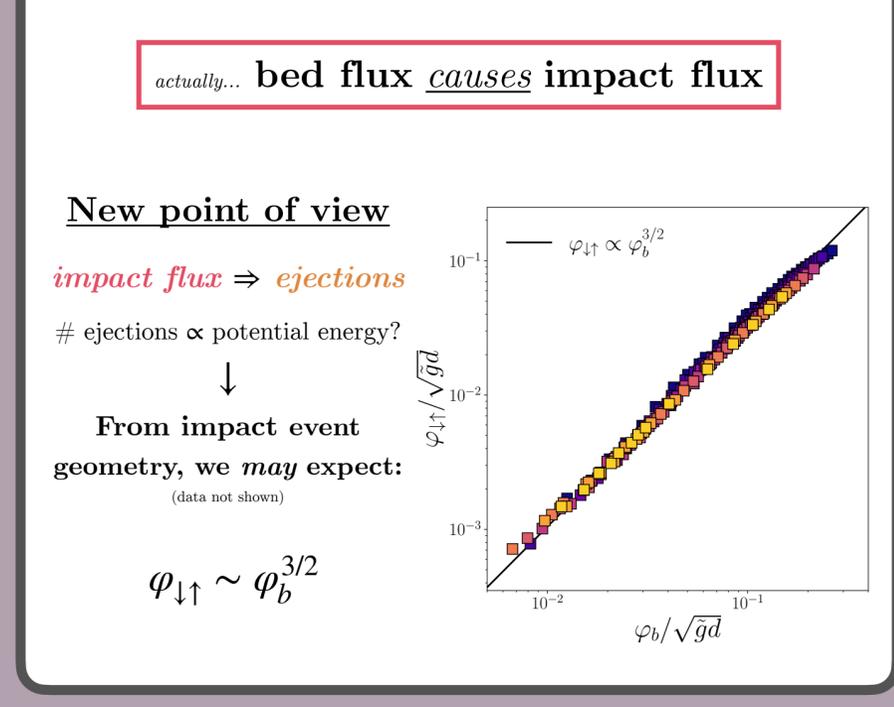
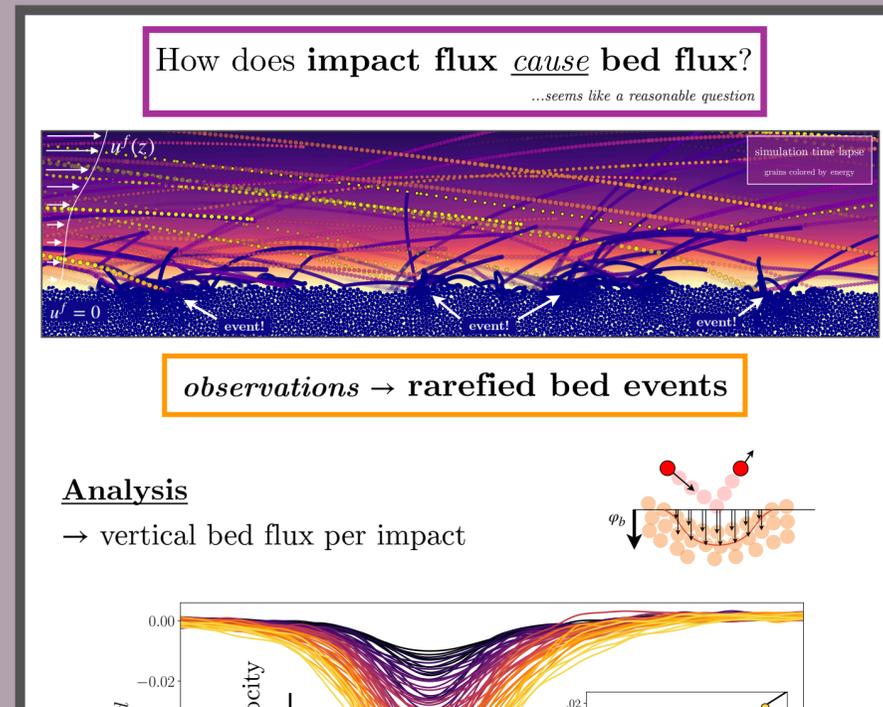
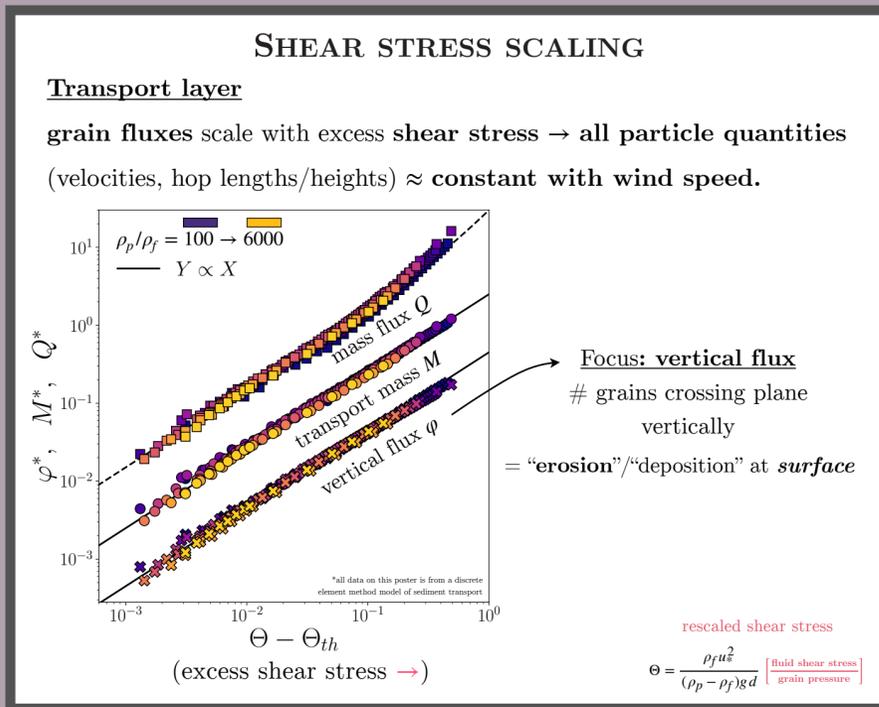
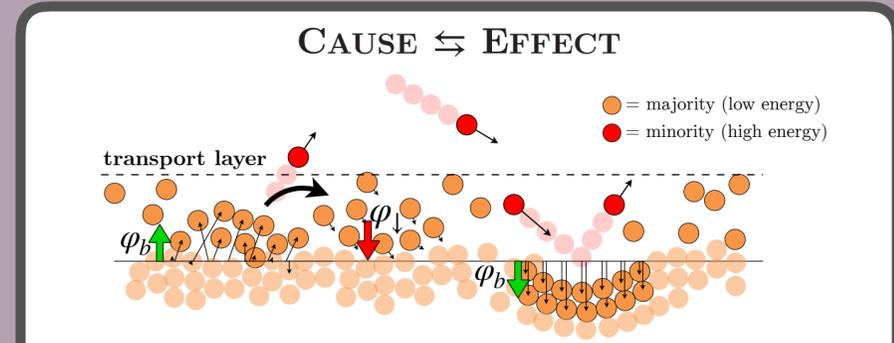
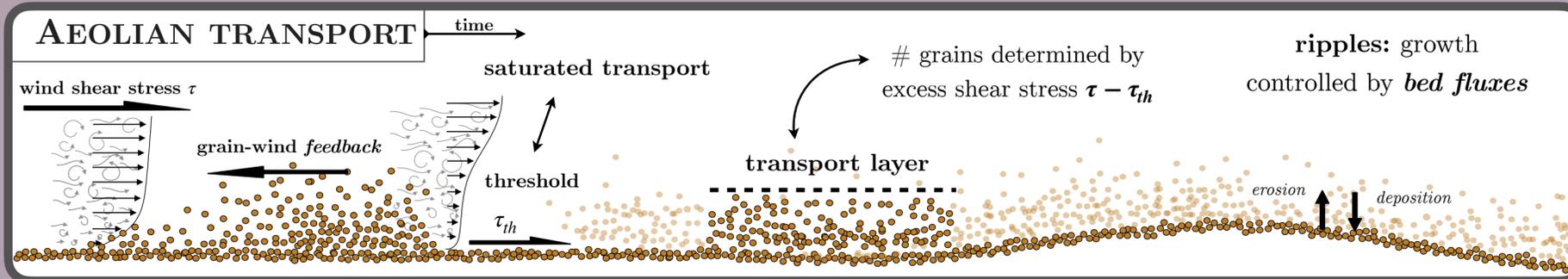


# Why Do Fluxes Near the Granular Bed Scale Differently Than Within the Transport Layer?

Conner Lester<sup>1</sup>, A. Brad Murray<sup>1</sup>, Orencio Duran Vinent<sup>2</sup>, Philippe Claudin<sup>3</sup>, Bruno Andreotti<sup>3</sup>

1) Earth and Climate Sciences, Duke University, Durham, NC, United States 2) Ocean Engineering, Texas A&M University, College Station, TX, United States 3) Université de Paris - ENS, Paris Cedex 05, France



**REFERENCES**

- Durán, O., Claudin, P., & Andreotti, B. (2014). Direct numerical simulations of aeolian sand ripples. *PNAS*, 111(44), 15665-15668.
- Pätz, T., & Durán, O. (2020). Unification of aeolian and fluvial sediment transport rate from granular physics. *PRL*, 124(16), 168001.
- Durán, O., Claudin, P., & Andreotti, B. (2011). On aeolian transport: Grain-scale interactions, dynamical mechanisms and scaling laws. *Aeolian Research*, 3(3), 243-270.