

Dust emissions

Dust emissions are calculated online in the Land Model. The method is currently being updated: <https://github.com/ESCOMP/CTSM/issues/1604>

A global dust emissions tuning factor is set in CAM (atm_in): `dust_emis_fact`

To change the dust emissions in your simulation, add `dust_emis_fact` to your `user_nl_cam`.

The `dust_emis_fact` is applied as $\text{dust emission flux} / \text{dust_emis_fact}$, so to reduce emissions from a previous run, increase the `dust_emis_fact` value.

New Dust

A new dust scheme has been developed by Danny Leung: <https://acp.copernicus.org/articles/24/2287/2024/>