

JULES soil biogeochemistry

Eleanor Burke and Sarah Chadburn

- Microbial methane model (now in trunk)

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2020GB006678>

- Vertically resolved soil carbon and nitrogen model (in trunk)

[https://gmd.copernicus.org/articles/14/2161/2021/ -](https://gmd.copernicus.org/articles/14/2161/2021/)

- Soil carbon tracer – vn6.1_ctracer (hopefully in trunk soon)

<https://gmd.copernicus.org/articles/10/959/2017/gmd-10-959-2017.html>

- Soil carbon accumulation model with age and dynamic soil properties - vn6.1_accumulate_soil (CongoPeat project, Peat fire project-Katie Blackford)

See talk by Sarah Chadburn on Wednesday at 1035am

- Andre Nakhavali working on adding phosphorus into JULES

- Spinup of soil carbon in JULES

See talk on Wednesday at 940am

Suites – should work on JASMIN and at UKMO

- u-an231

Site simulations for an expanding number of sites

Ability to include a range of model perturbations

u-cc669

ISIMIP suite at 0.5 degrees with postprocessing

See talk on Friday at 1010am

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