Leanne Wake is currently a senior lecturer in the Department of Geography and Environmental Sciences, Northumbria University. Leanne is an Earth system scientist who has broad interests in improving the simulation of a range of geophysical processes in Earth-land-atmosphere system.

Leanne is interested in the representation of a broad range of Earth system processes in computational models. Her most recent work has focussed on understanding land-atmosphere interactions in the boreal forest zone and how they impact snow cover.

Leanne is also a departmental representative for the University and College Union (UCU) at Northumbria. During the COVID-19 pandemic, one of the key roles for the UCU is make sure that its members can work in a safe manner for both staff and students.