

CGD SEMINAR



DATE: Tuesday 21 January, 2020

TIME: 11 am – 12 pm

LOCATION: NCAR, 1850 Table Mesa Drive
Mesa Lab, Main Seminar Room

TITLE: Drought, heatwave, and fire: impacts on forest and human health, and transitioning in non-linear careers

SPEAKER: Melanie Zeppel, Macquarie University

ABSTRACT:

The Australian continent is experiencing increasingly severe drought, and unprecedented heatwaves and fire. In this talk I discuss plant traits involved in avoiding or tolerating drought-induced mortality, in the Southern and Northern hemispheres, including consequences and possible mechanistic causes of nocturnal water loss, xylem embolism refilling following rewatering, and resprouting in plants following fire and drought, concluding with a multi-species examination of which species and traits use which carbohydrates and hydraulic traits to avoid drought-induced mortality. After a career transition to modelling health economics, I now model genomics, and impacts of climate change on human health. I will describe human health impacts of heat waves, droughts, and bushfire smoke, particularly in context of the unprecedented drought, heatwaves and fires of 2019/2020. During this talk I'll describe some tips in surviving a non-linear career, and how to transition across disciplines, from global change biology to the modelling policy of public health.

Live webcast: <https://www.ucar.edu/live>

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