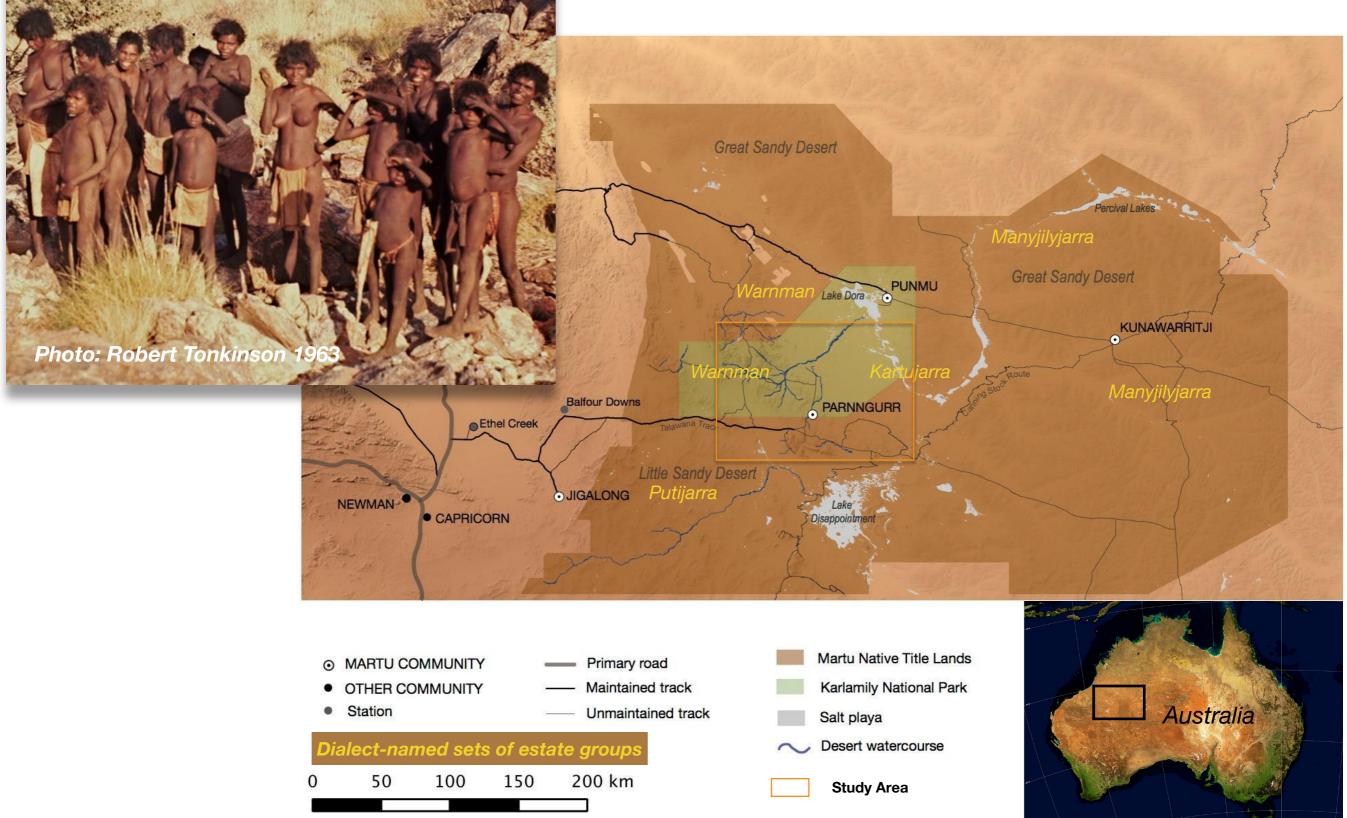
### Martu Country, Australia's Western Desert a fire dependent culture

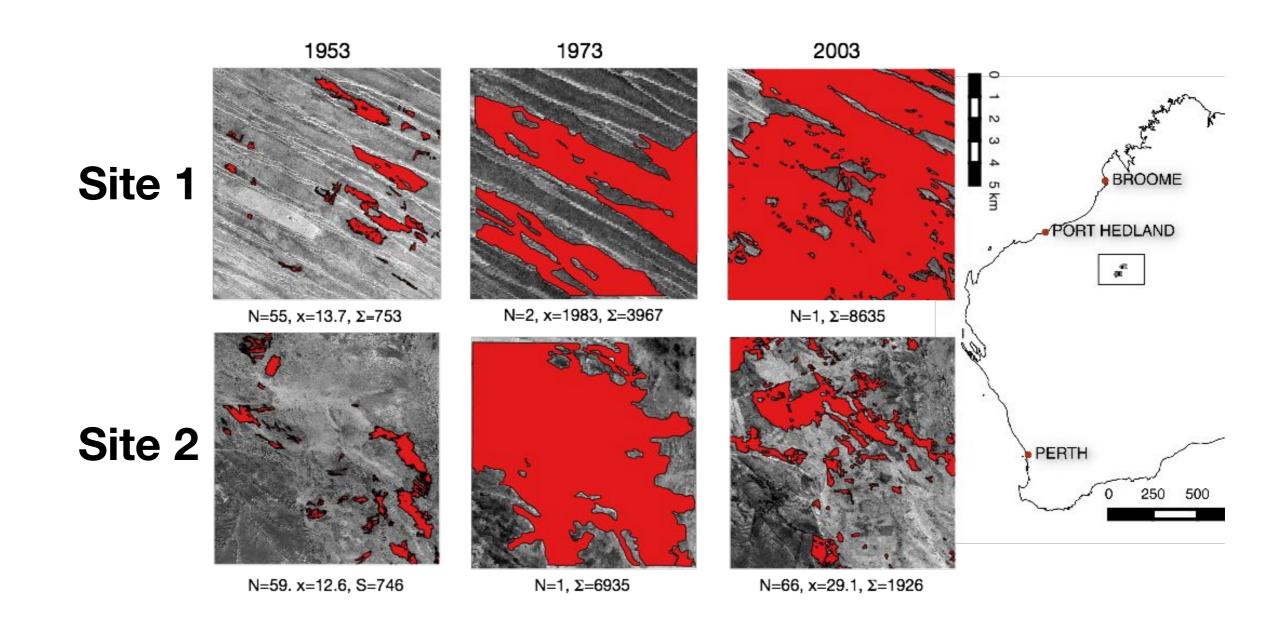






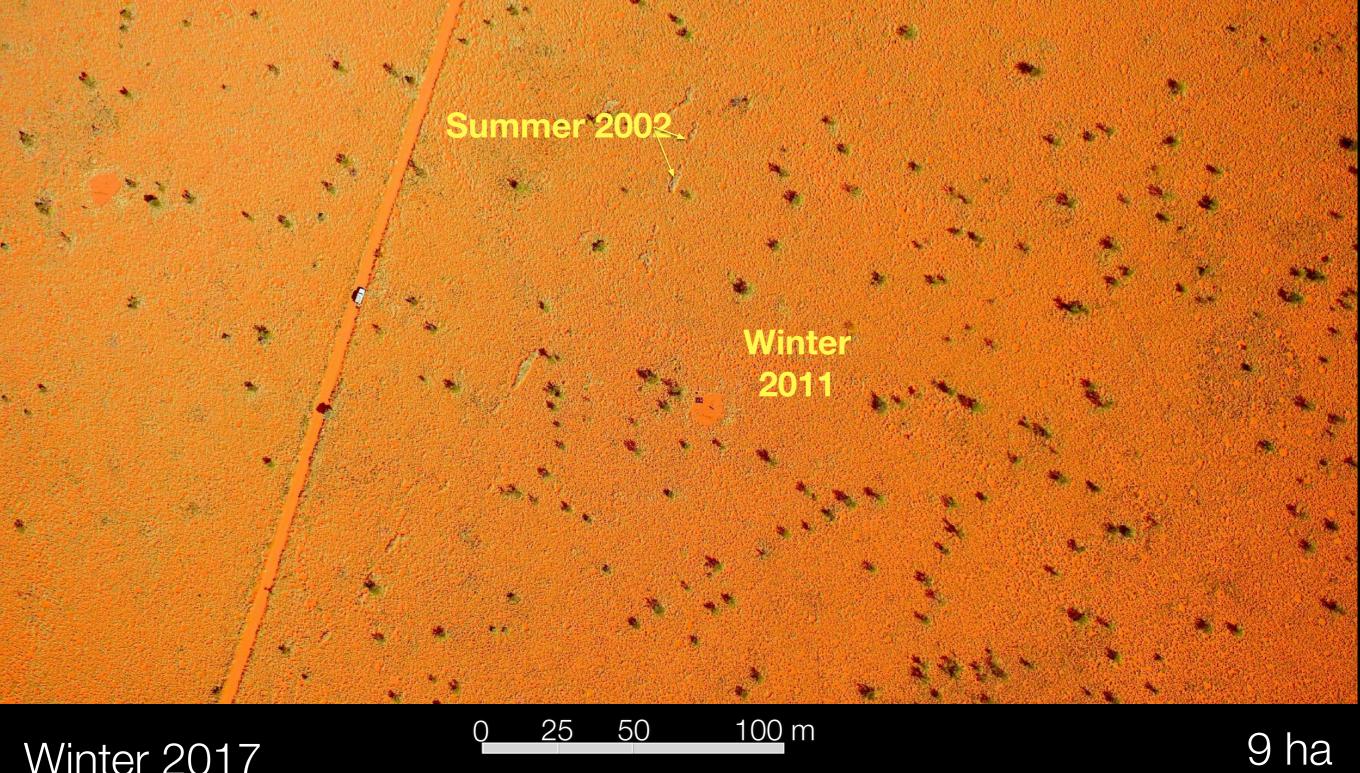


Fire regime shifts: before, during, and after Martu hiatus from their homelands.



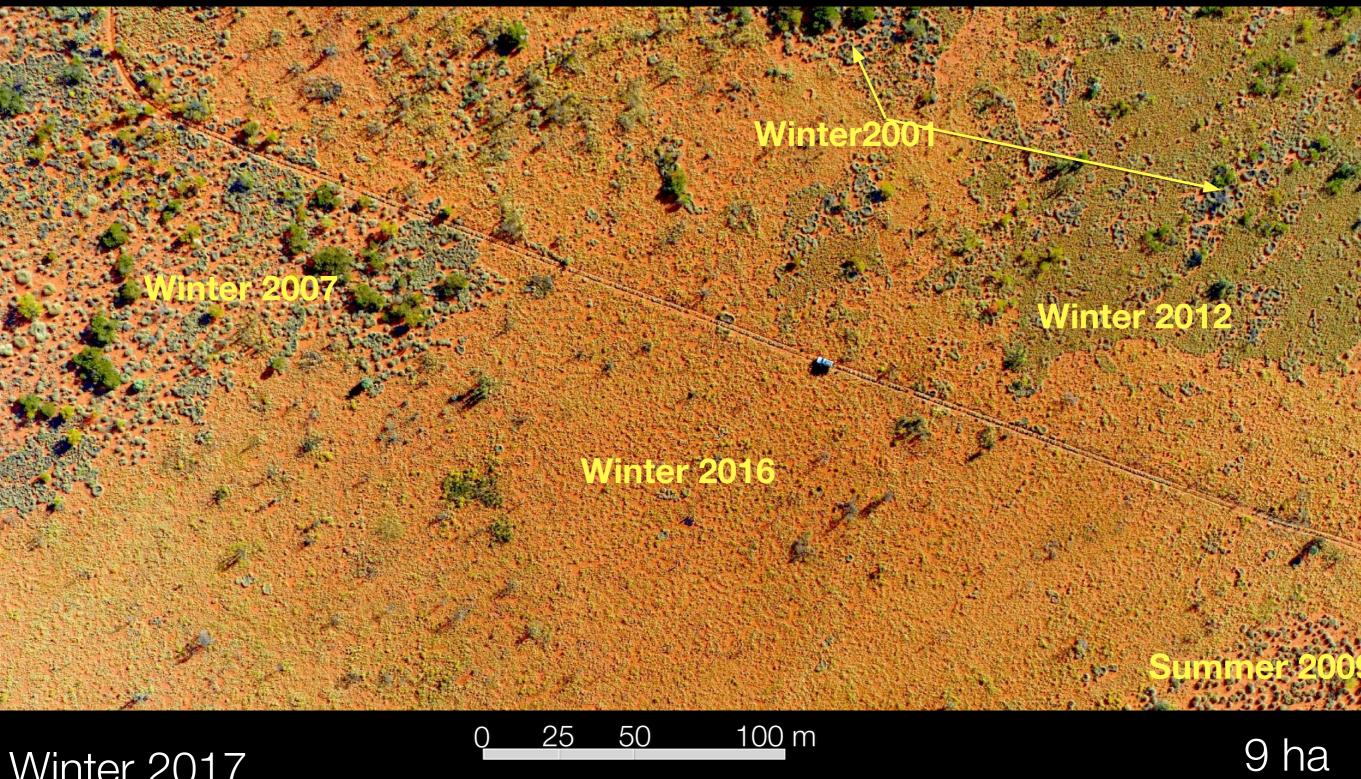
Bliege Bird, R., McGuire, C., **Bird, D.W.,** Price, M.H., Zeanah, D.W., Nimmo, D.G. (2020) Fire mosaics and habitat choice in nomadic foragers. *Proceedings of the National Academy of Sciences, USA*, in press.

## Without cultural burning



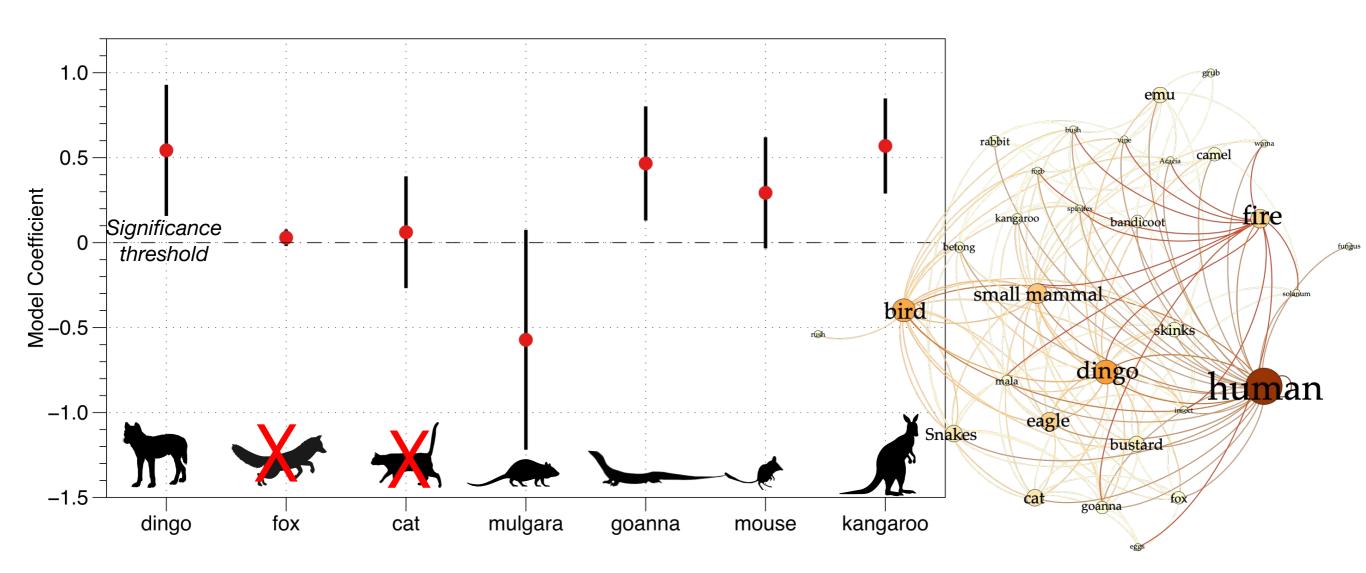
Winter 2017

## With cultural burning



Winter 2017

#### Many native species favored by cultural burning



Bliege Bird, R., Bird, D.W., Fernandez, L.E., Taylor, N., Taylor, W., Nimmo, D., 2018. Aboriginal burning promotes fine-scale pyrodiversity and native predators in Australia's Western Desert. *Biological Conservation* 219, 110–118.

# Loss of cultural burning in Australia precipitated the spread of invasive species and the highest rate of mammal extinction in the world

30 native mammals have become extinct since European settlement, with the loss of over 1/2 of all native mammals species in the Western Desert









#### Indigenous ecosystems, justice, and autonomy in remote communities

