## Characterising Drought in East Africa

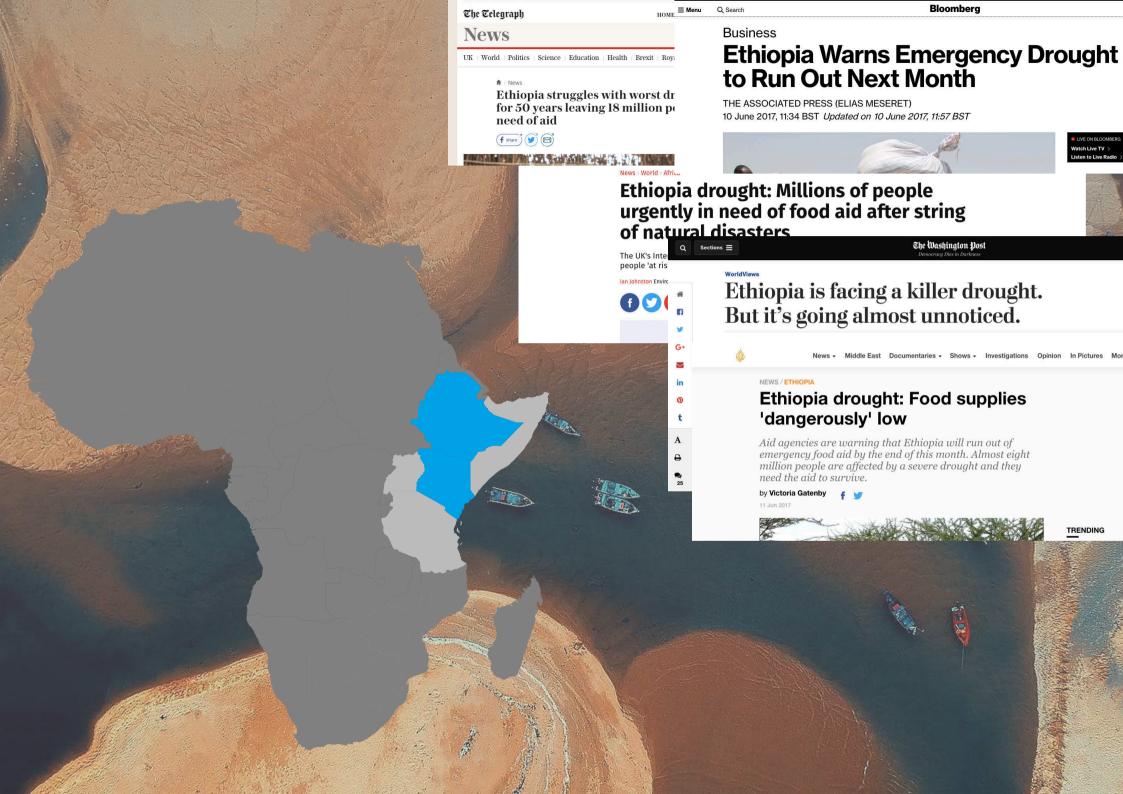
Improving datasets and drought indices using Earth observation data.

Supervisors: Professor Simon Dadson; Dr Steven Reece

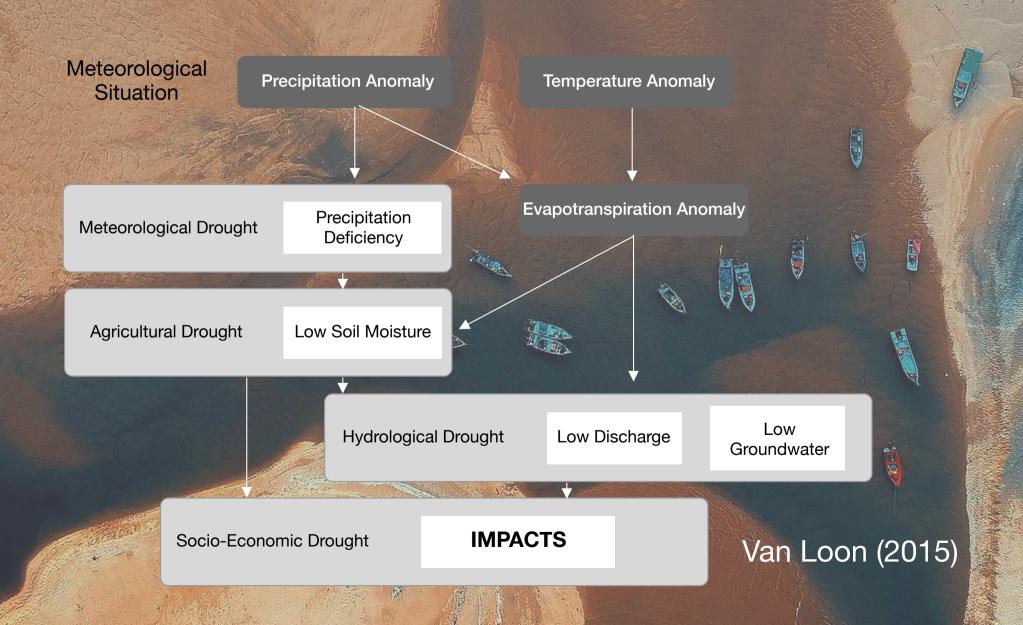


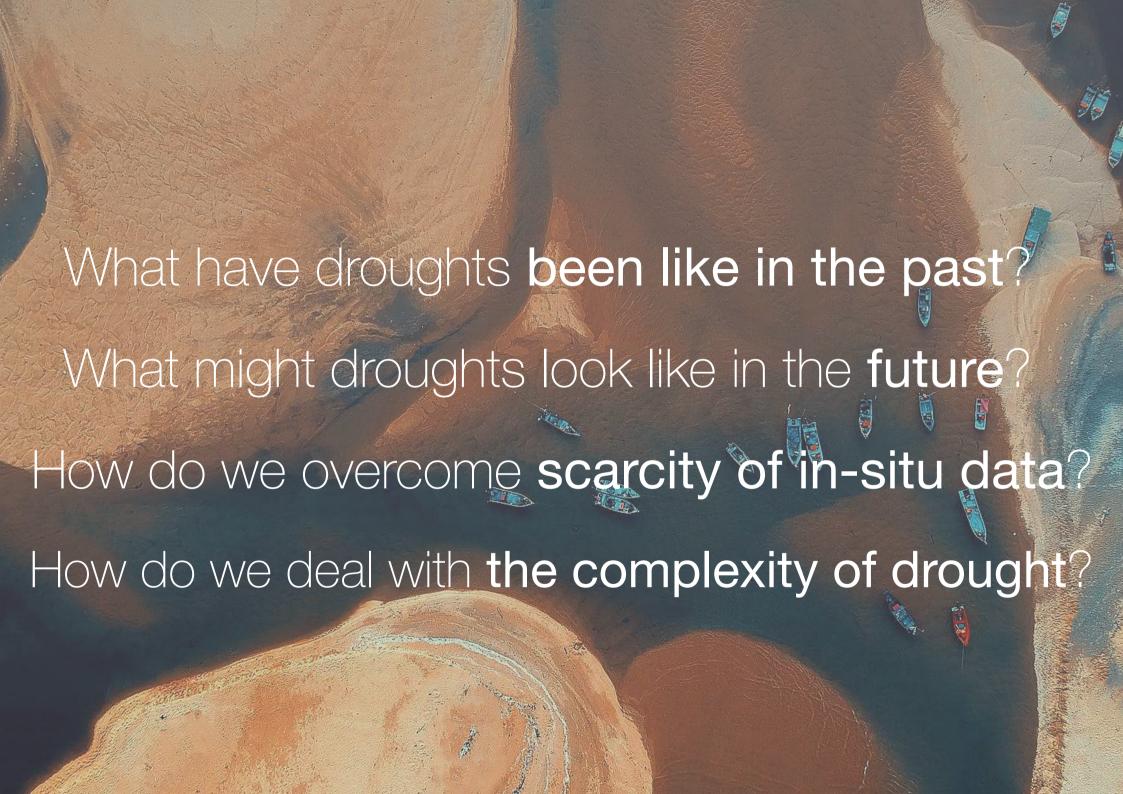


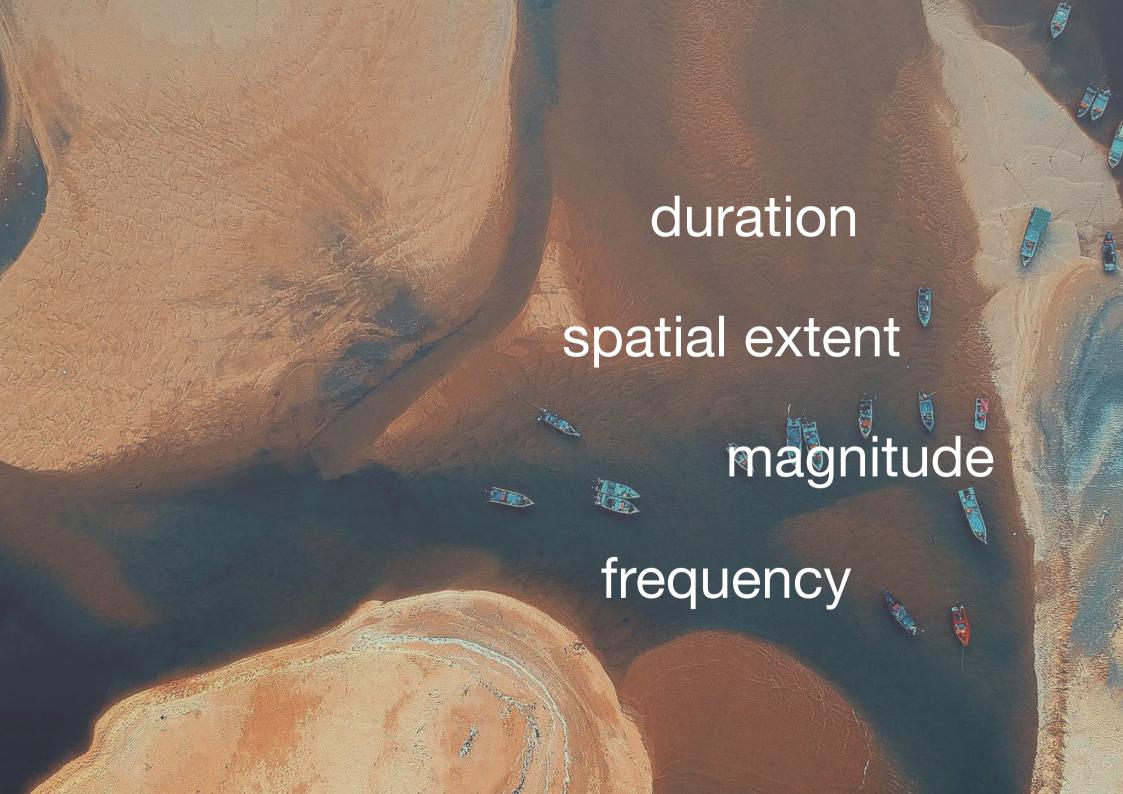


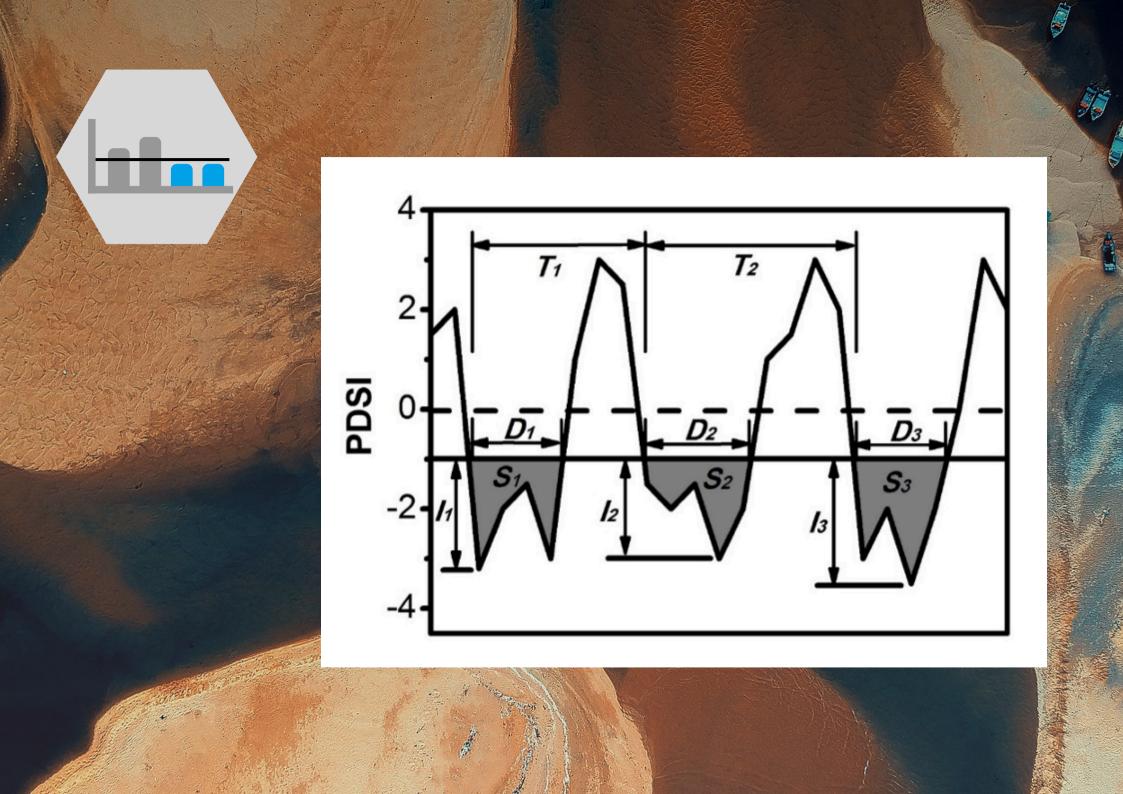


## "the creeping disaster" Sheffield and Wood (2011)











## Research Gap

soil moisture key variable for impact
Rojas et al (2011)

memory of soil moisture - predictability

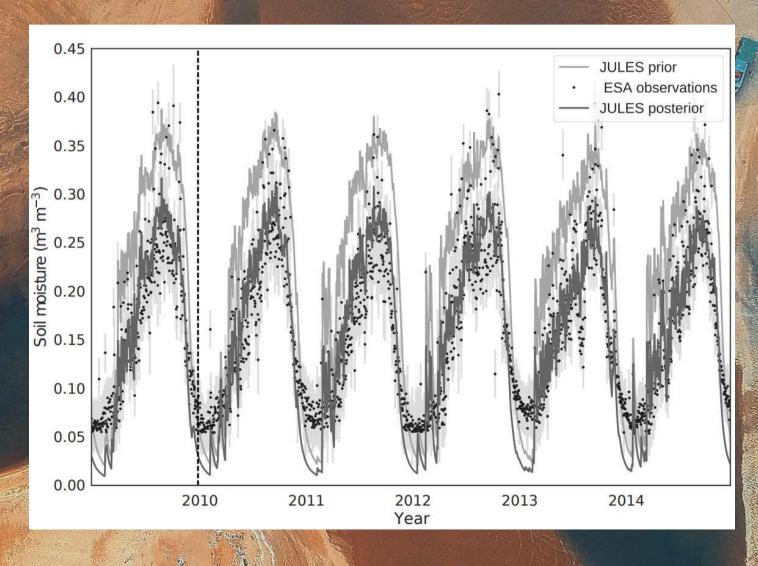
Aghakouchak et al (2016), Aghakouchak et al (2015).

unable to directly observe root zone

Dorigo et al (2016), Wagner et al (2012)







Pinnington et al (2018)

