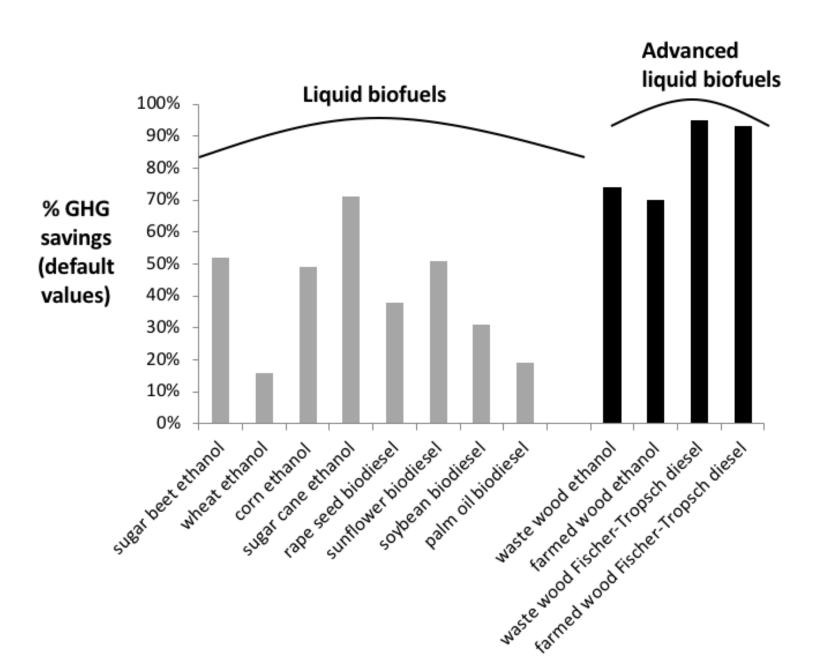
Incorporating climate adaptation incentives into bioenergy support policies

Dr Alex BaumberFaculty of Transdisciplinary Innovation
University of Technology Sydney

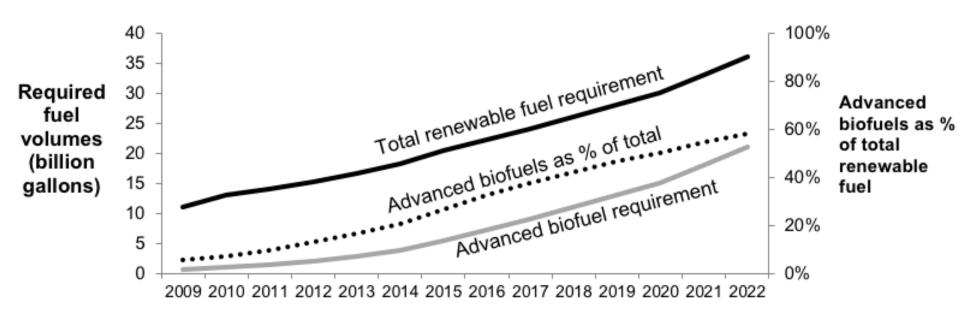








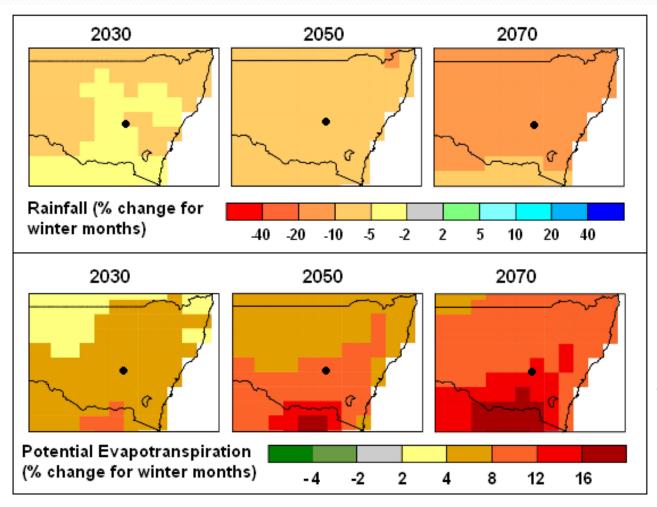
US Renewable Fuel Standard biofuel mandates (as set in 2010)





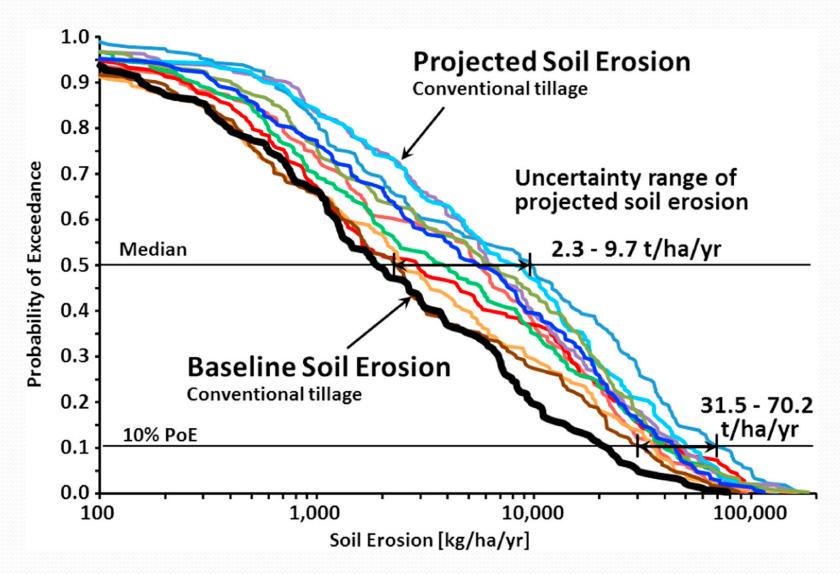


Projected winter rainfall decline in NSW Wheat Belt



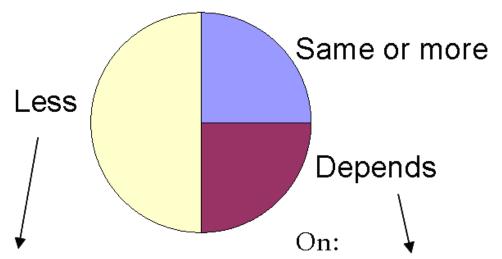
A1B 'best bet' scenario CSIRO/BOM (2010)

Soil erosion under 10 climate projections, US Great Plains



Garbrecht, J.D., Nearing, M.A., Steiner, J.L., Zhang, X.J., Nichols, M.H., 2015. Can conservation trump impacts of climate change on soil erosion? An assessment from winter wheat cropland in the Southern Great Plains of the United States. Weather Clim. Extremes 10(A), 32–39.

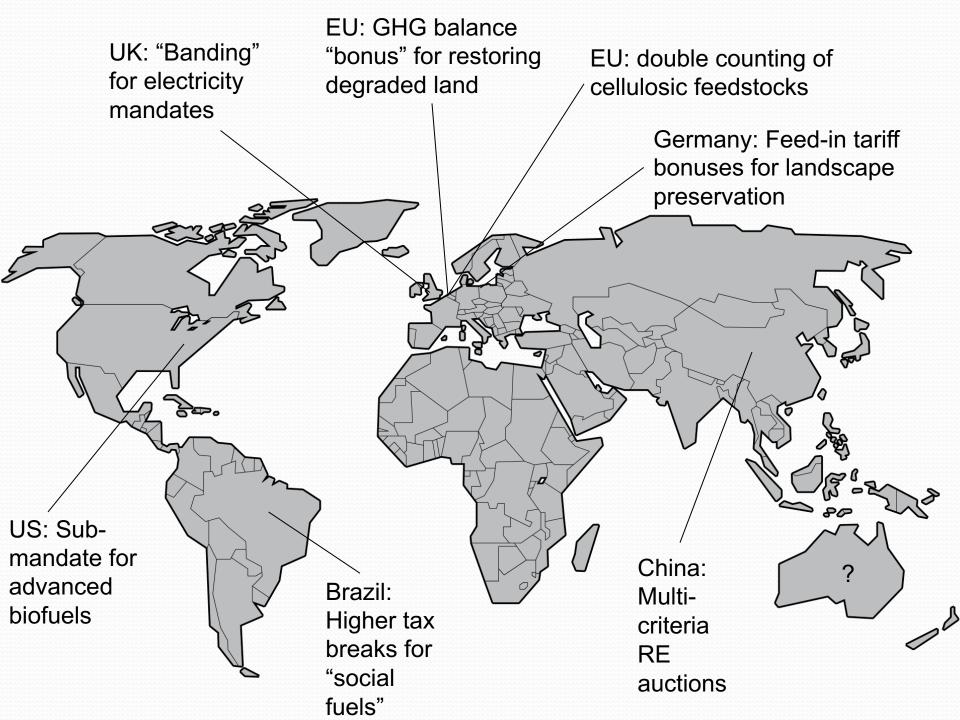
Would you require the same net annual average return per hectare as current land uses? (n=16)



Due to:

- more consistent income
- using marginal/unused land
- wind/water erosion benefits

- small-scale vs. large-scale
- personal circumstances (age, finances, expanding vs contracting)



Thank you!

alex.baumber@uts.edu.au

Baumber, A. 2017. Enhancing ecosystem services through targeted bioenergy support policies. *Ecosystem Services*, 26: 98-110.

