

# Week 1 Progress Report

Getting Started

Jody Holland

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## Progress This Week

- Moved into College and restarted work
- Have determined what funding is available to me through my bursary (£75 a month for books, £3000 over the course for conferences, £500 a year for equipment).
  - Also some options for field work funding in SEA
- Started Feasibility Report and made good progress
  - Fleshed out background section (500 words)
  - Have aimed to produce a brief overview of the current “state of the science”
  - Pretty happy with the introduction
- Began work on a conceptual framework to hypothesise what could induce a landscape to be more or less prone to local leakage
  - Emphasised the context of the economic activities occurring
  - Exploring the concept of “Factor Mobility”
    - \* A concept taken from New Economic Geography (Krugman etc.)
    - \* Denotes the degree to which an activity/industry could move across borders and landscapes
    - \* Incorporates both how mobile the workforce might be and how regionally specific a particular activity might be
  - Also examined how landscape topography could interact with local leakage propensity beyond factor mobility
    - \* Specifically the positioning on the protected area within the landscape
    - \* PAs are often located in the most politically convenient places - not the most ecologically critical
    - \* Could mean that there is little economic pressure on the periphery of projects
    - \* Could also mean that the people living in the vicinity of the PA have little political or economic power to resist the imposition of a PA
- Read Dasguta’s Natural Capital
  - Not too much that I hadn’t already been introduced to

- Was a pretty eloquent framing of ecological damage as a “tragedy of the commons” in absence of accurate pricing of natural capital
- Studied Brodie et al. (2023)
  - Pretty fascinating how they conclude that PAs can have positive impacts on biodiversity across a landscape
  - Notably in the case of mammals they find that PAs could lead to safeguarded source populations
    - \* That would incur density driven dispersal of animals across a landscape, even if that landscape is degraded habitat
  - This could mean that even if we see elevated habitat destruction around a project there could nonetheless be positive spillovers for biodiversity in the landscape
    - \* Land Sparing wins again?
- Set up Quarto website for progress tracking
  - When new reports are made they are automatically rendered as html, word, and pdf formats and added to the site.
- Began testing PACT V3 if it

## Problems Encountered

- Learning curve with Quarto
- Setting up proper file organization

## Plans for Next Week

- Create next weekly report
- Add more content structure
- Begin detailed literature review

## Picture of the Week



Figure 1: A picture I snapped of the Trinity Great Court Run

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First progress report