Agricultural

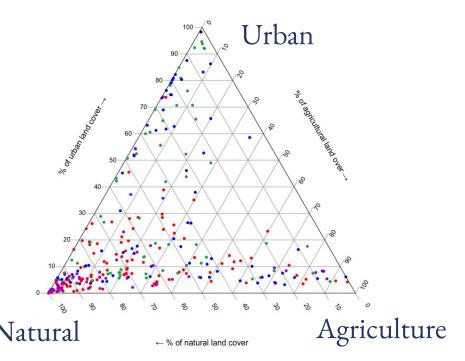
Data Linking Urban Land Use to Metabolic Regimes

Goal: Investigate the impacts of land use on river metabolic regimes

1. Identify land use and covariate variables that impact metabolism



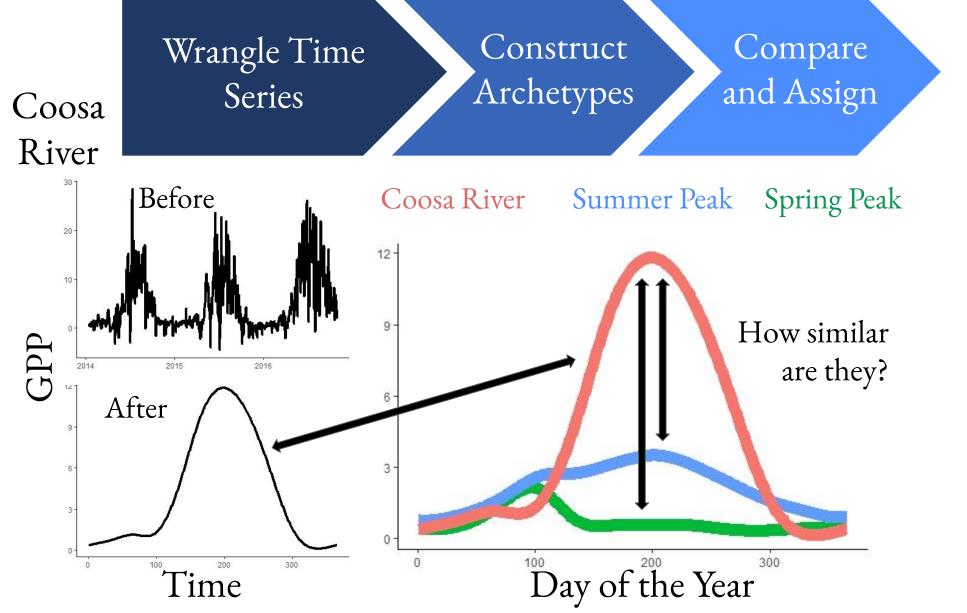
Locations of filtered sites
East of MS, precip > 80
mm, size < 250 km²



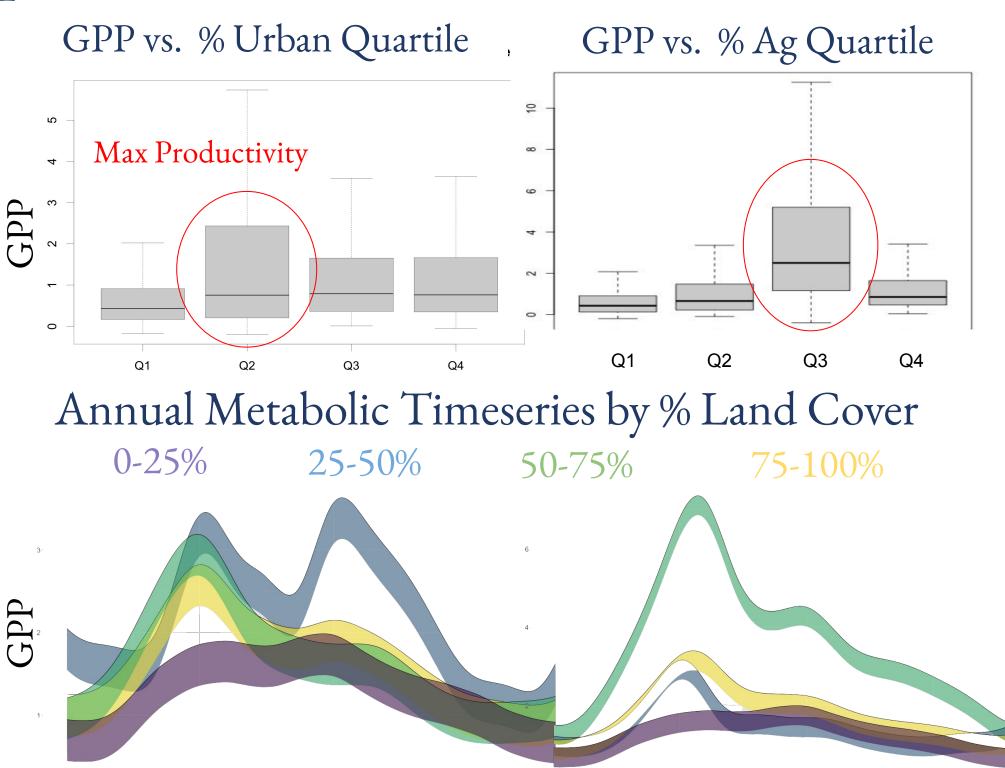
- Land use distribution of filtered sites,
 - Analyze by axis

2. Assign existing metabolic archetypes to rivers in the dataset

Archetype → Categories of metabolic regimes



3. Explore how land-use relates to metabolic time series



GPP changes non-linearly in response to increasing land use

Conclusion:

Hypothesis for Future Research:

Impacts of covariates (nutrients, canopy) are realized at varying levels of land intensity for each land cover