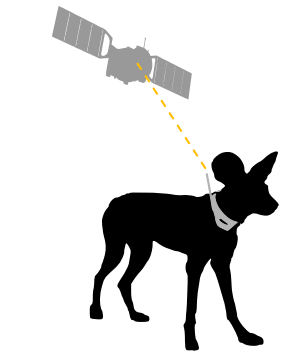


# Connectivity Modeling Pipeline

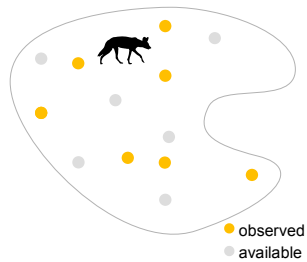
## Inference

### Data

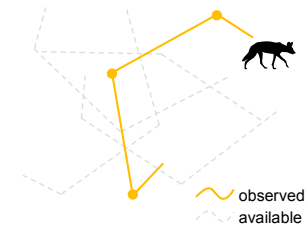


Species Data

### Selection Model

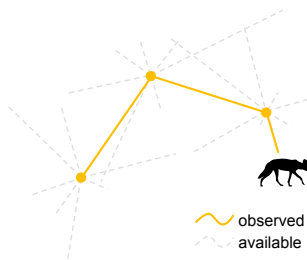


Point Selection



Path Selection

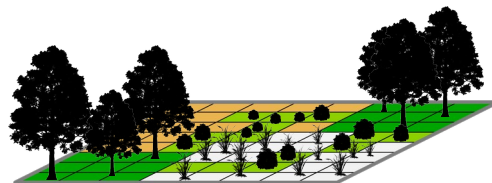
Environmental Data



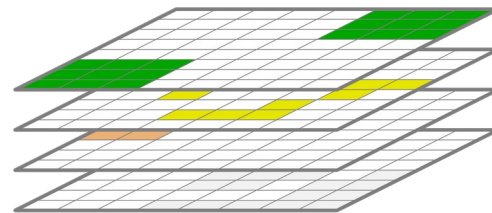
Step Selection

## Prediction / Simulation

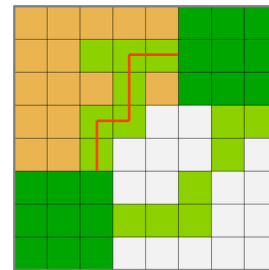
### Permeability Surface



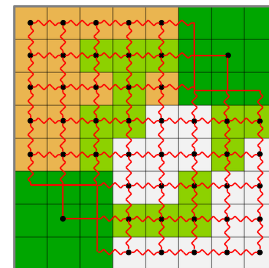
$$w(x) = \exp(\beta_1 x_1 + \beta_2 x_2 + \dots + \beta_n x_n)$$



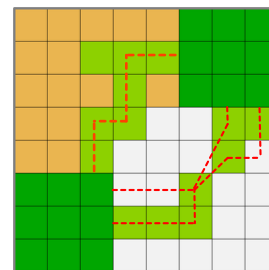
### Connectivity Model



Least-Cost



Circuit Theory



Individual-Based

Randomized Least-Cost