



# RangeShiftR

**Damaris Zurell, Anne Malchow**

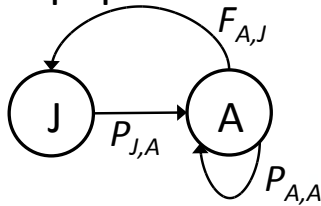
<https://damarisurell.github.io>

 @ZurellLab

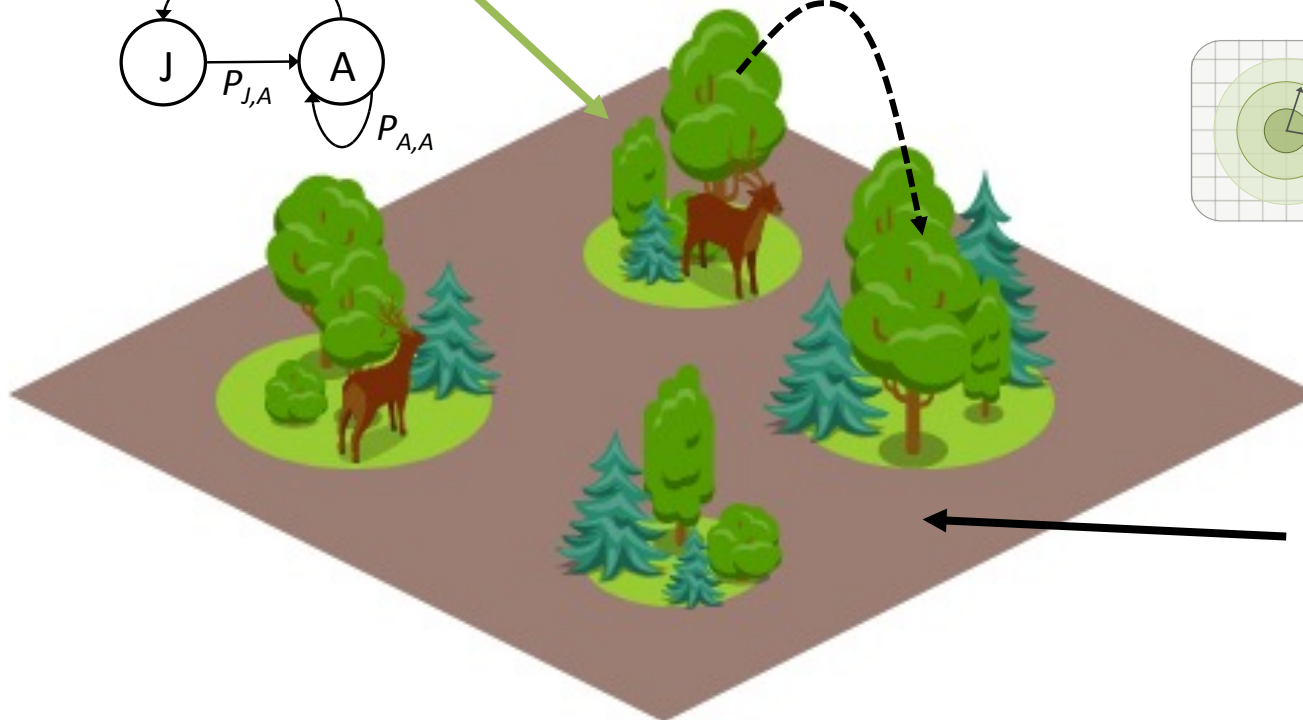
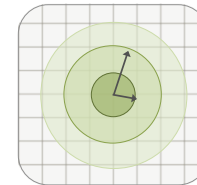
# Spatially explicit population models

- Simulating local population dynamics and dispersal

Local population dynamics described by population model, e.g. logistic growth or matrix population model



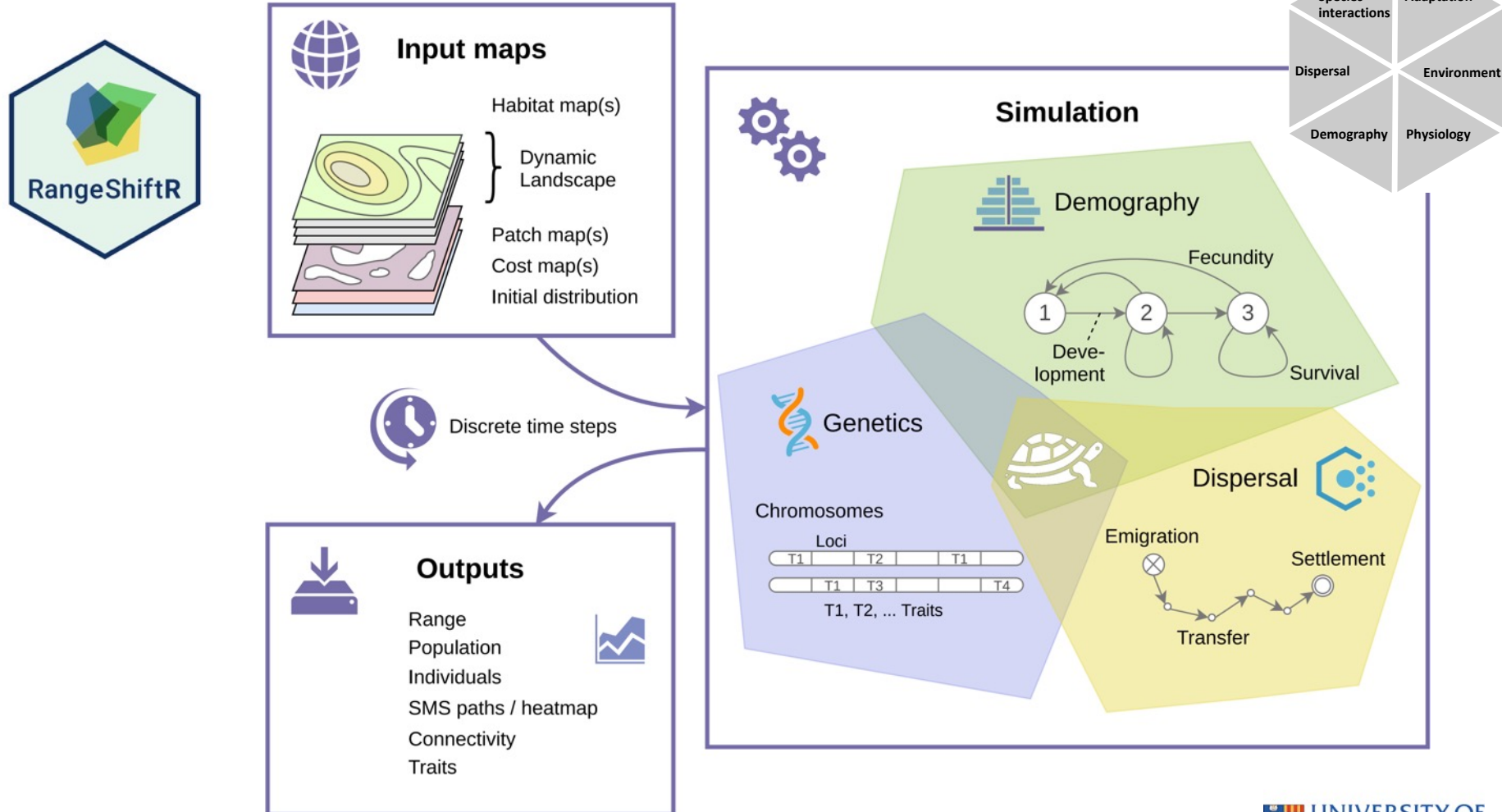
Dispersal described by dispersal kernel or movement simulator



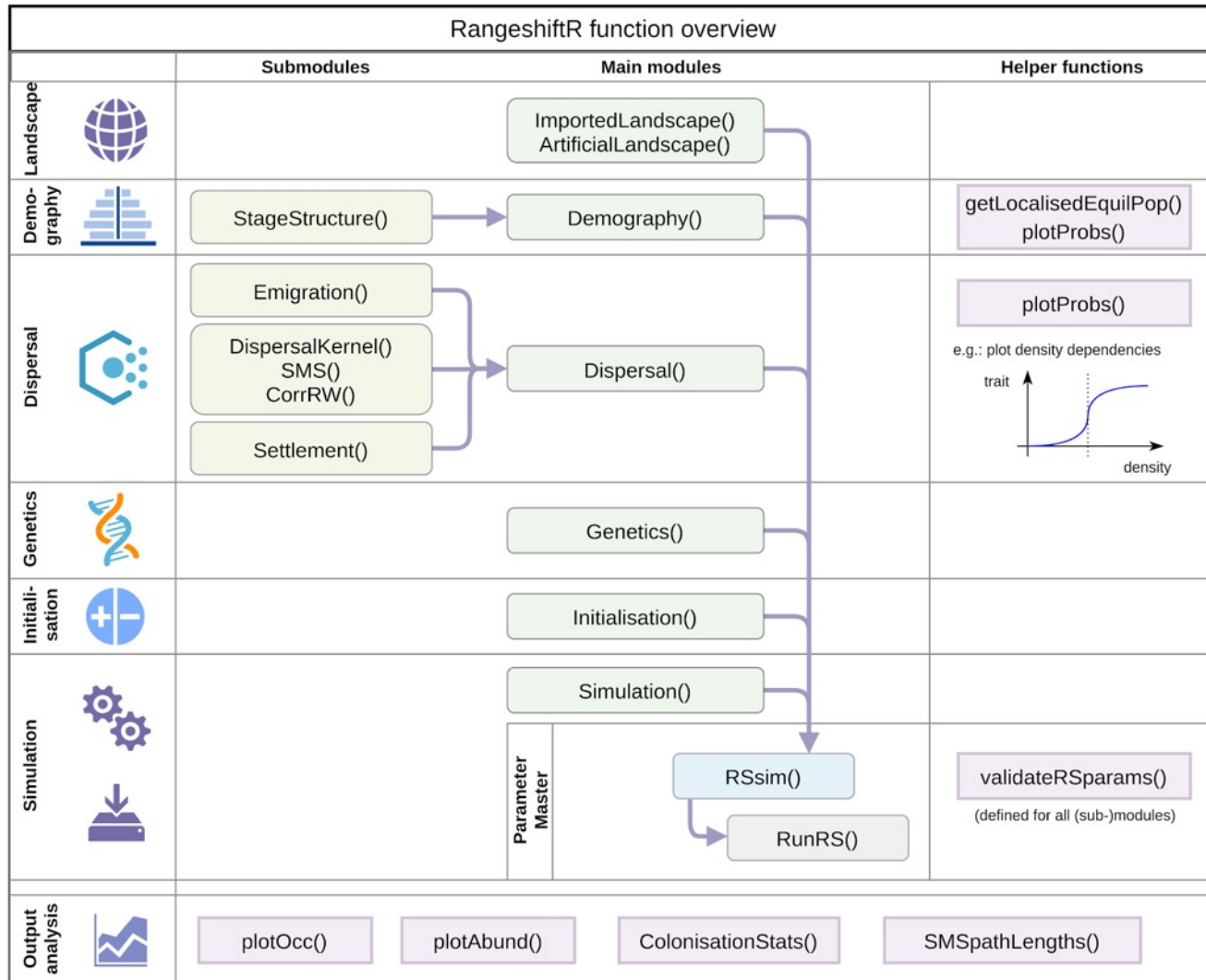
Landscape can be described as patch-matrix landscapes, patch types of different quality, of grid cells of different quality

# Spatially explicit population models

## ➤ An individual-based eco-evolutionary modelling platform




# Spatially explicit population models



# Thank you for your interest

**Contact:**  
**Damaris Zurell**  
Ecology & Macroecology  
University of Potsdam



<https://damarisurell.github.io>  
Email: [damaris.zurell@uni-potsdam.de](mailto:damaris.zurell@uni-potsdam.de)  
 @ZurellLab