

RangeShiftR Overview

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<https://bit.ly/Potsdam-Macroecology>

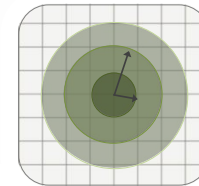
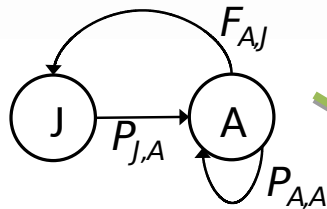


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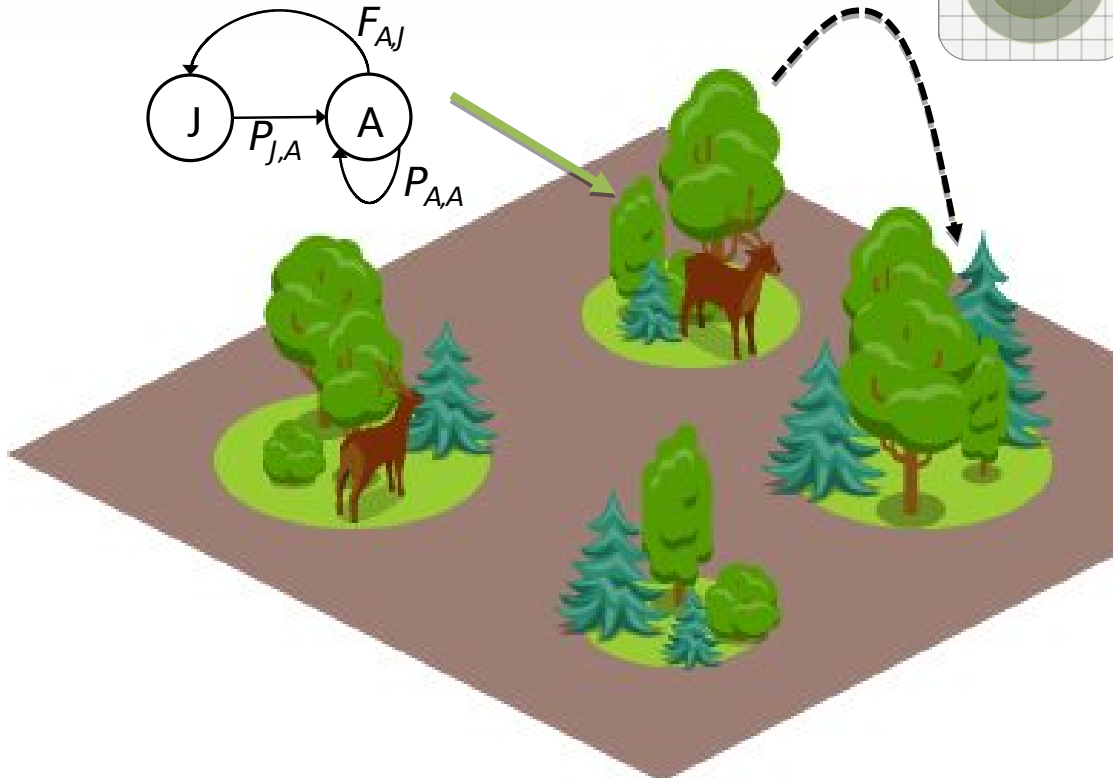
Spatially explicit population models

- Simulating local population dynamics and dispersal

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



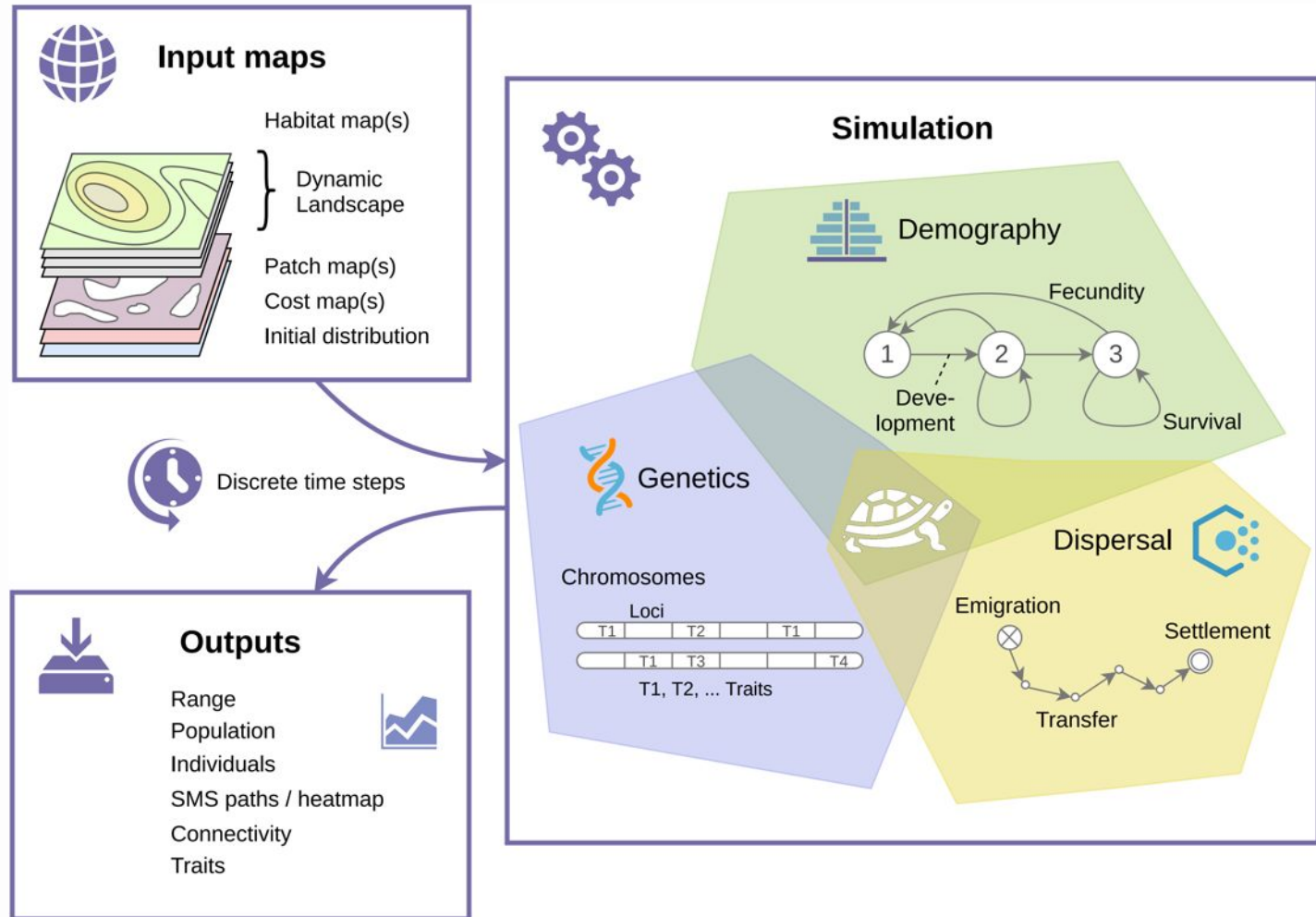
Dispersal described by dispersal kernel or movement simulator



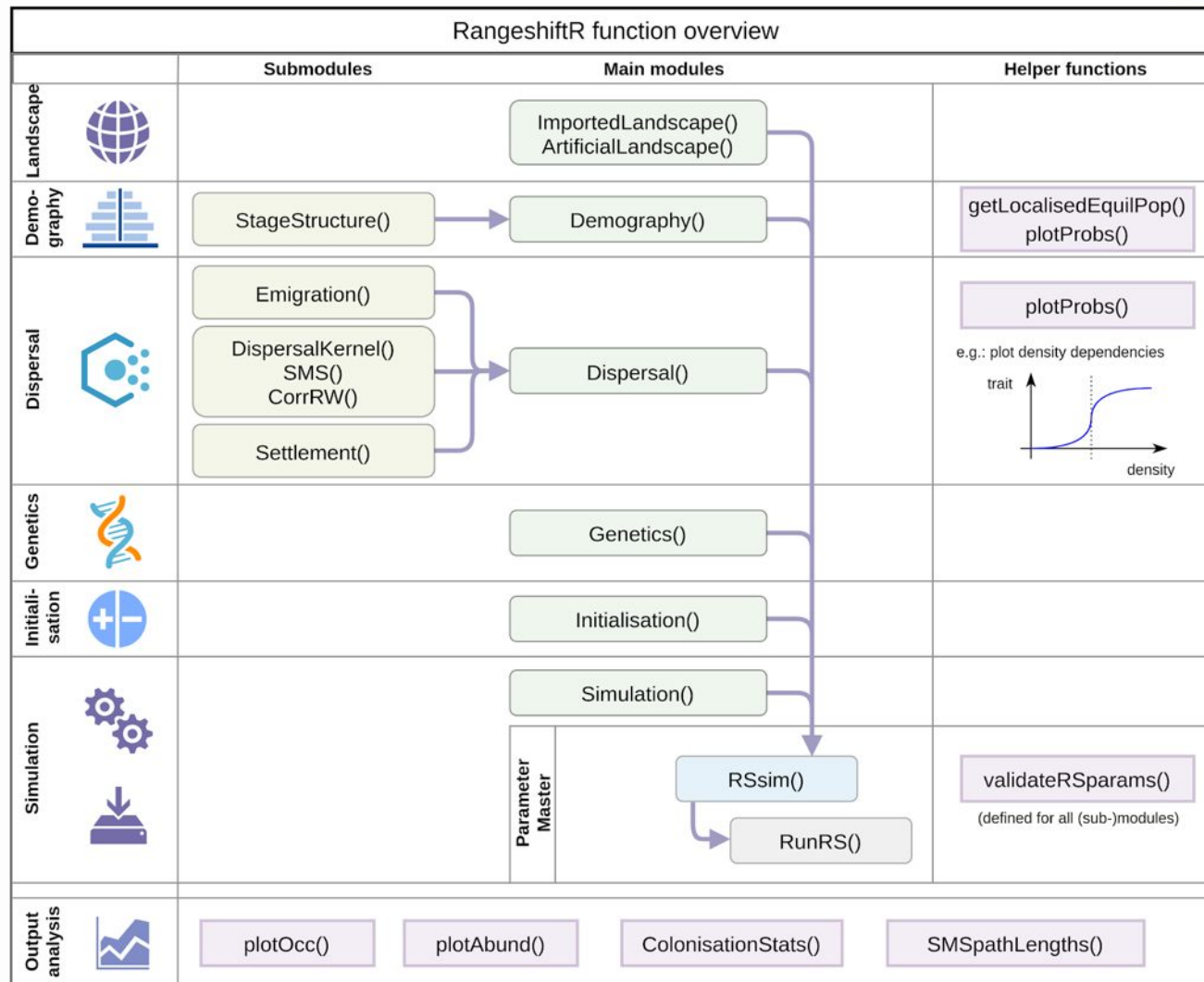
Landscape can be described as:

- patch-matrix landscapes
- patch types of different quality
- grid cells of different quality

RangeShifter - An individual-based eco-evolutionary modelling platform

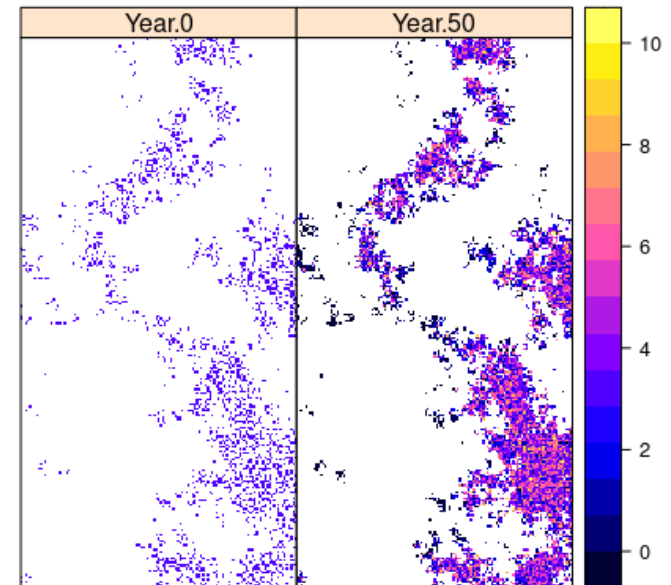
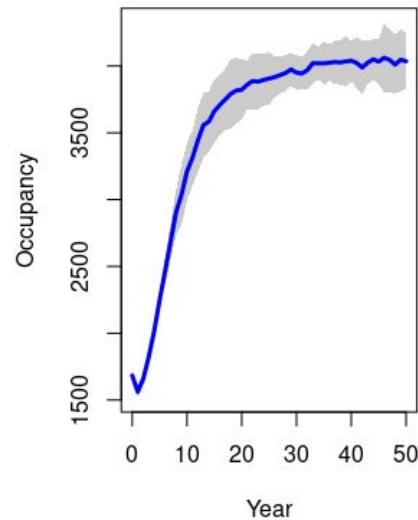
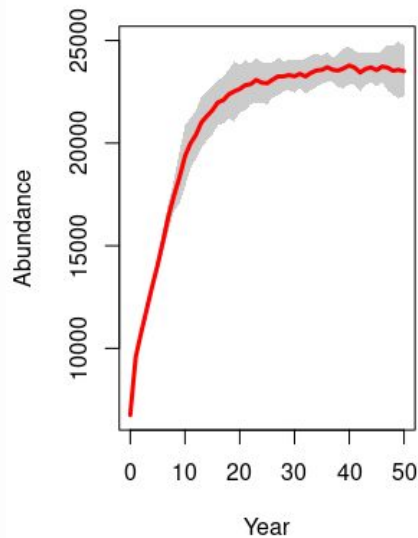


R-package: RangeShiftR



Practical 1: Getting started with RangeShiftR

- Break-out rooms of 4-5 participants per group
- Time: 15 mins
- Script:
 - } IBS2022_RS_workshop/code/Prac1_RangeShiftR_GettingStarted.R



Break: 15 mins