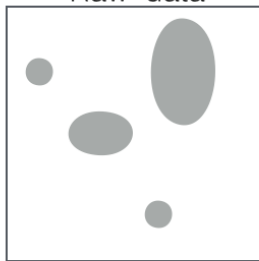
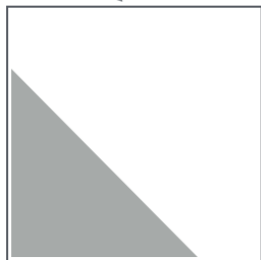
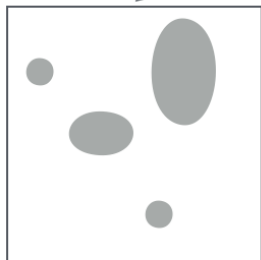


'Raw' data



retain raw data

convert to percent
cover data



fit vital rate regressions
(growth, survival, recruitment)

fit quad-based
population model

IPM

QBM

validate with one-step-ahead forecasts
(based on fits with forecast year excluded)

forecast future population states
under perturbed climate