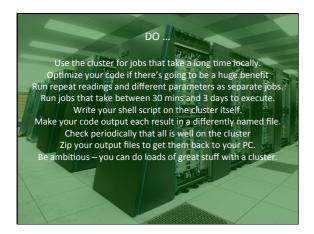
For your excercises You'll be asked to adapt your code from yesterday to run on the cluster for a much bigger ecological community size You'll need to collect species abundance data as before and average over a large number of parallel simulations.

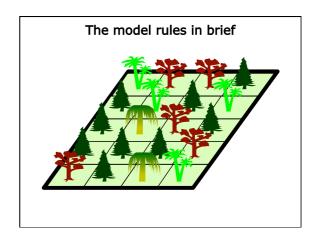
For your excercises

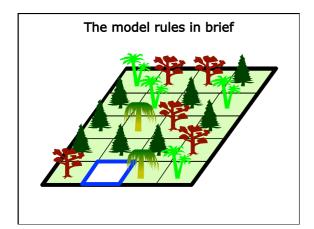
- You'll be asked to adapt your code from yesterday to run on the cluster for a much bigger ecological community size
- You'll need to collect species abundance data as before and average over a large number of parallel simulations.
- Use a "burn in" period and check the species abundance distribution periodically. You should plot species richness against time and make a conservative judgment, but for neutral theory 8 * metacommunity size complete turnovers of the community is a good rule of thumb.

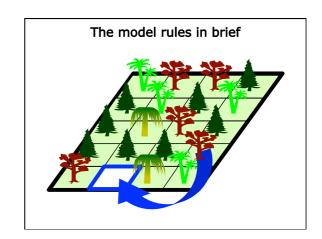


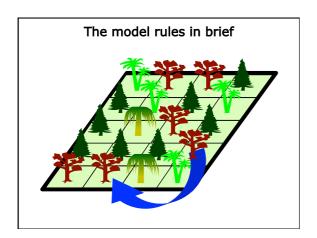


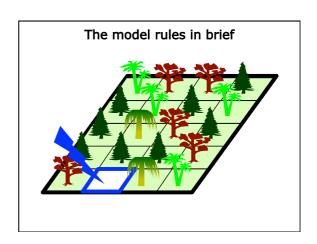


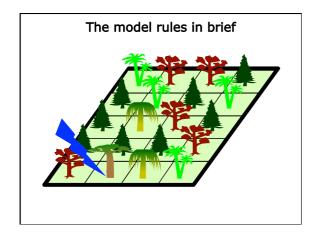


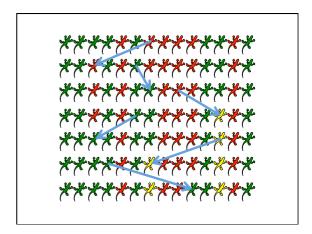


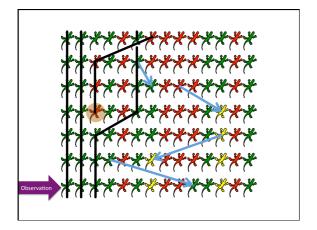


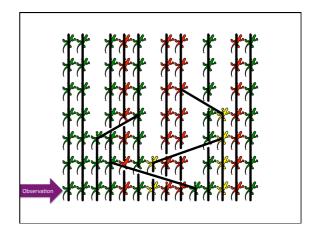


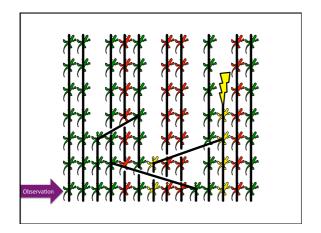


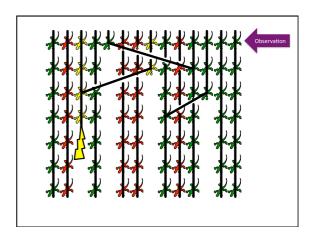


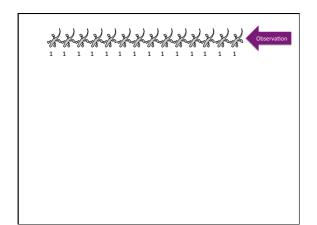


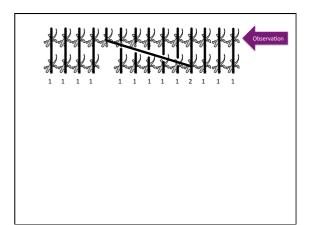


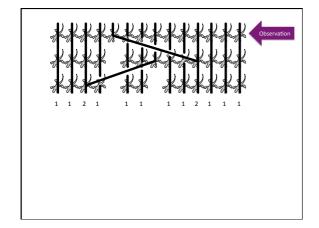


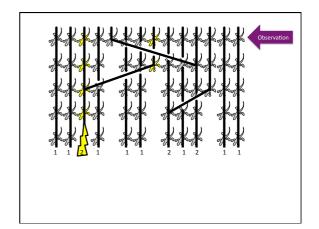


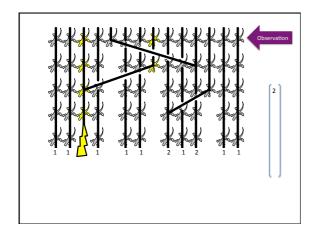


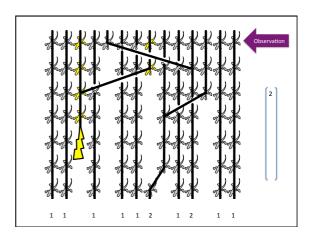


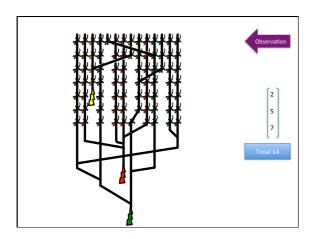


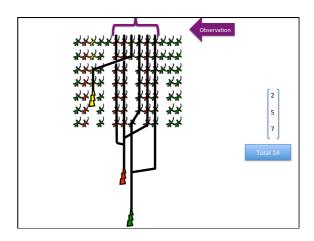


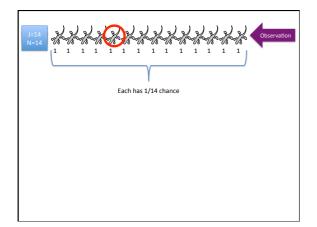


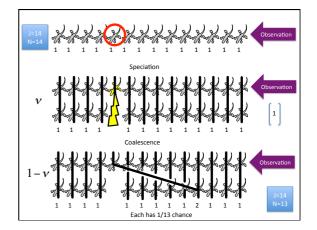


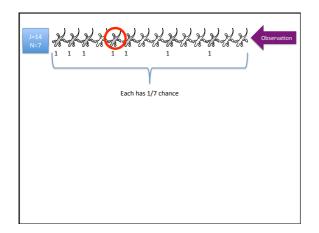


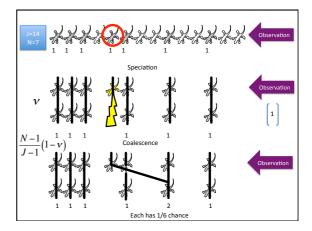












Advantages of coalescence

- Always at equilibrium
- Much faster
- Sampling based

Disadvantages of coalescence

- Not ideal for time series
- Complex to program
- Fewer ways in which model can be changed

[1,] "0.005623"	"Benjamin"
[2,] "0.006828"	"Bethany"
[3,] "0.003617"	"Calum"
[4,] "0.006243"	"Dephiny"
[5,] "0.005963"	"Elise"
[6,] "0.003753"	"Elizabeth"
[7,] "0.005436"	"Emma"
[8,] "0.006266"	"Flavio"
[9,] "0.004389"	"Javier"
[10,] "0.003202"	"Jianing"
[11,] "0.00594"	"Joanna"
[12,] "0.004798"	"Joseph"
[13,] "0.003167"	"Julian"
[14,] "0.003392"	"Katherine"
[15,] "0.004103"	"Laura"
[16,] "0.002943"	"Marina"
[17,] "0.006897"	"Rebekka"
[18,] "0.004592"	"Richard"
[19,] "0.006493"	"Saul"
[20,] "0.004514"	"Thomas"