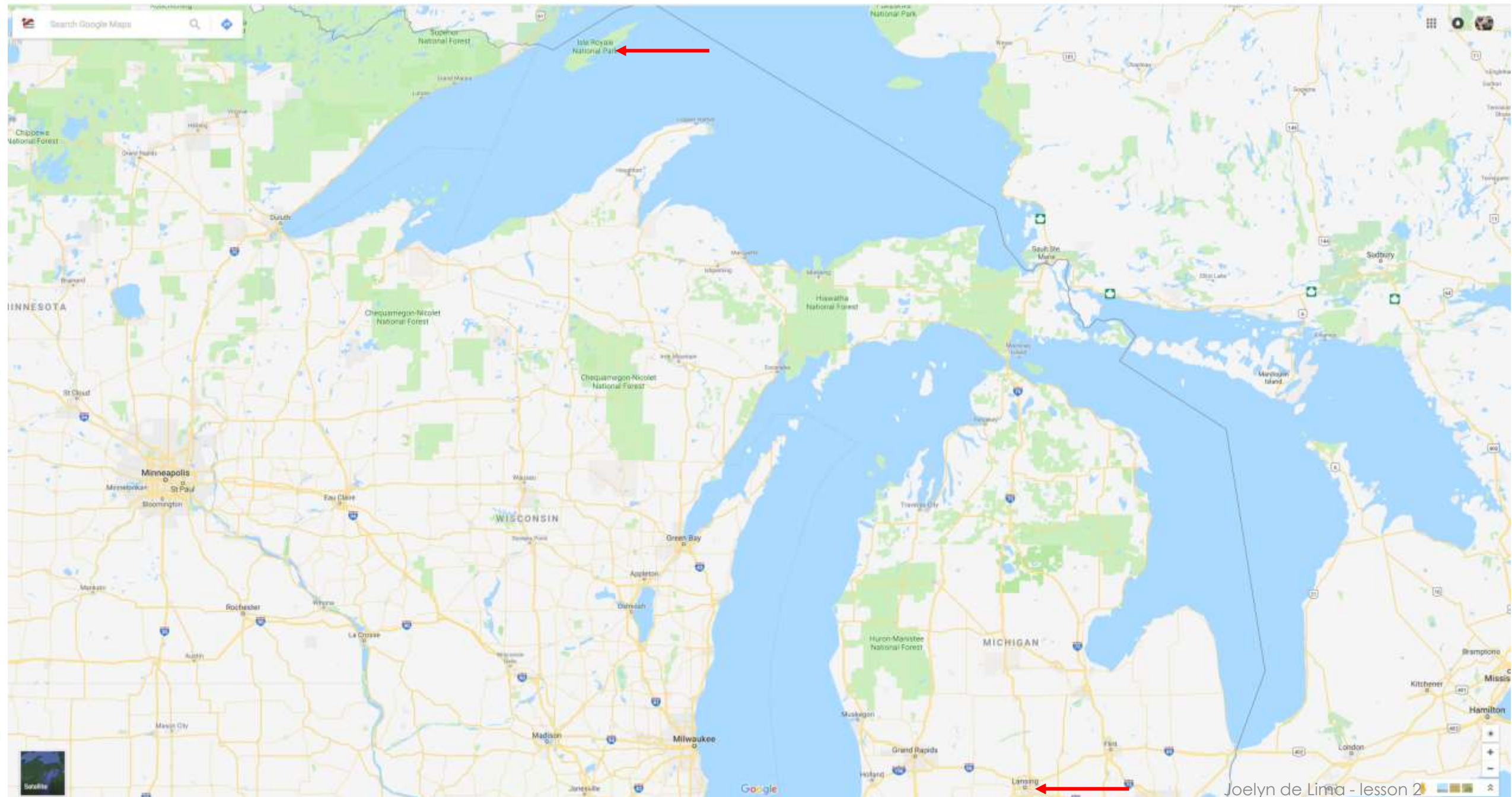




THE DYNAMIC POPULATIONS OF ISLE ROYALE



IN THE SPOTLIGHT



Moose

Swam over ~1900

In 1958 there were approx. 500 individuals



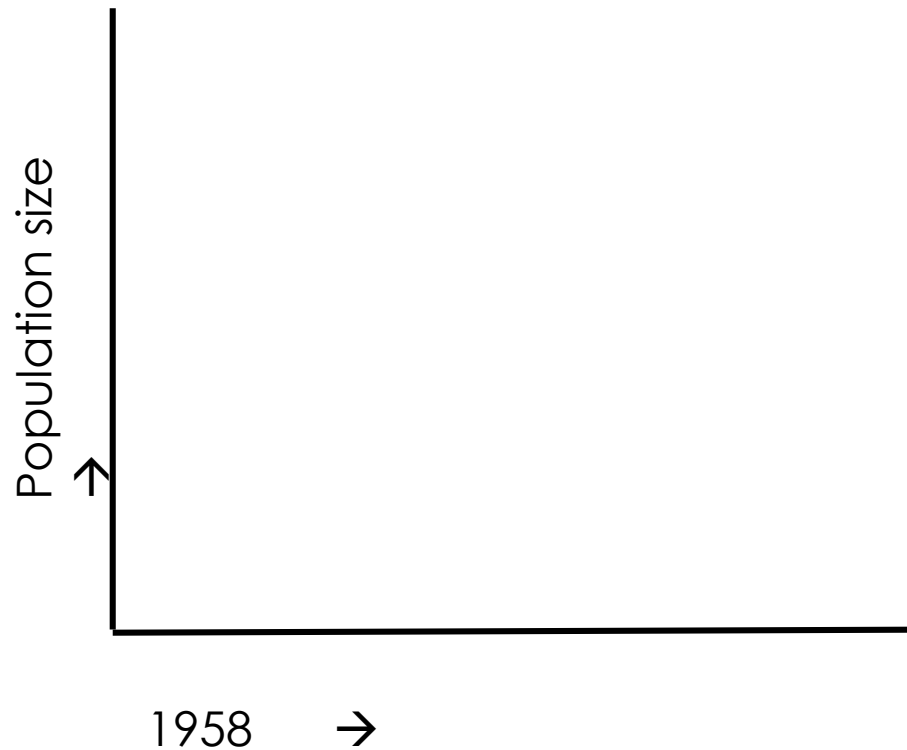
Wolf

Arrived in late 1940's

In 1958 there were approx. 20 individuals

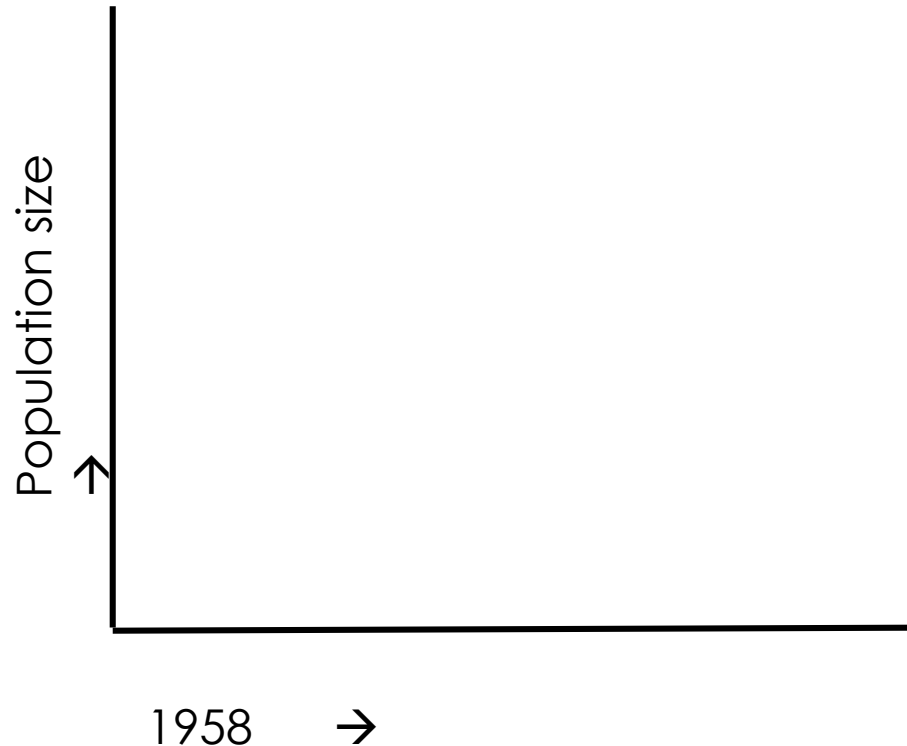
ACTIVITY 1

- In pairs – graph out your prediction for population size
- A – B and C – D



ACTIVITY 2: RALLY ROBBIN

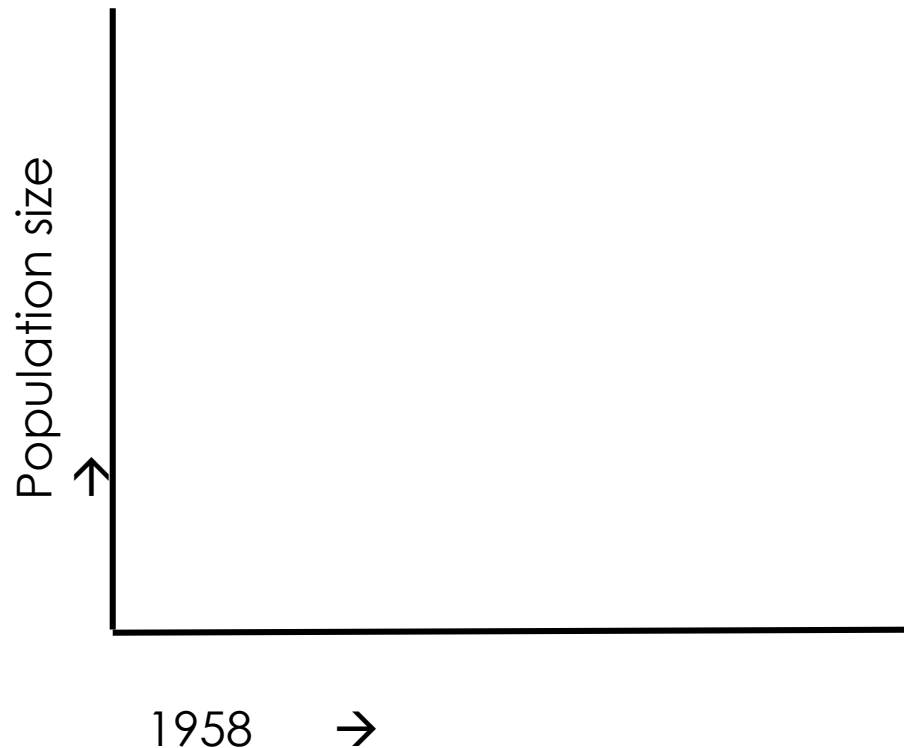
- In pairs – graph out your prediction for population size



What other information do you need in order to make better predictions?

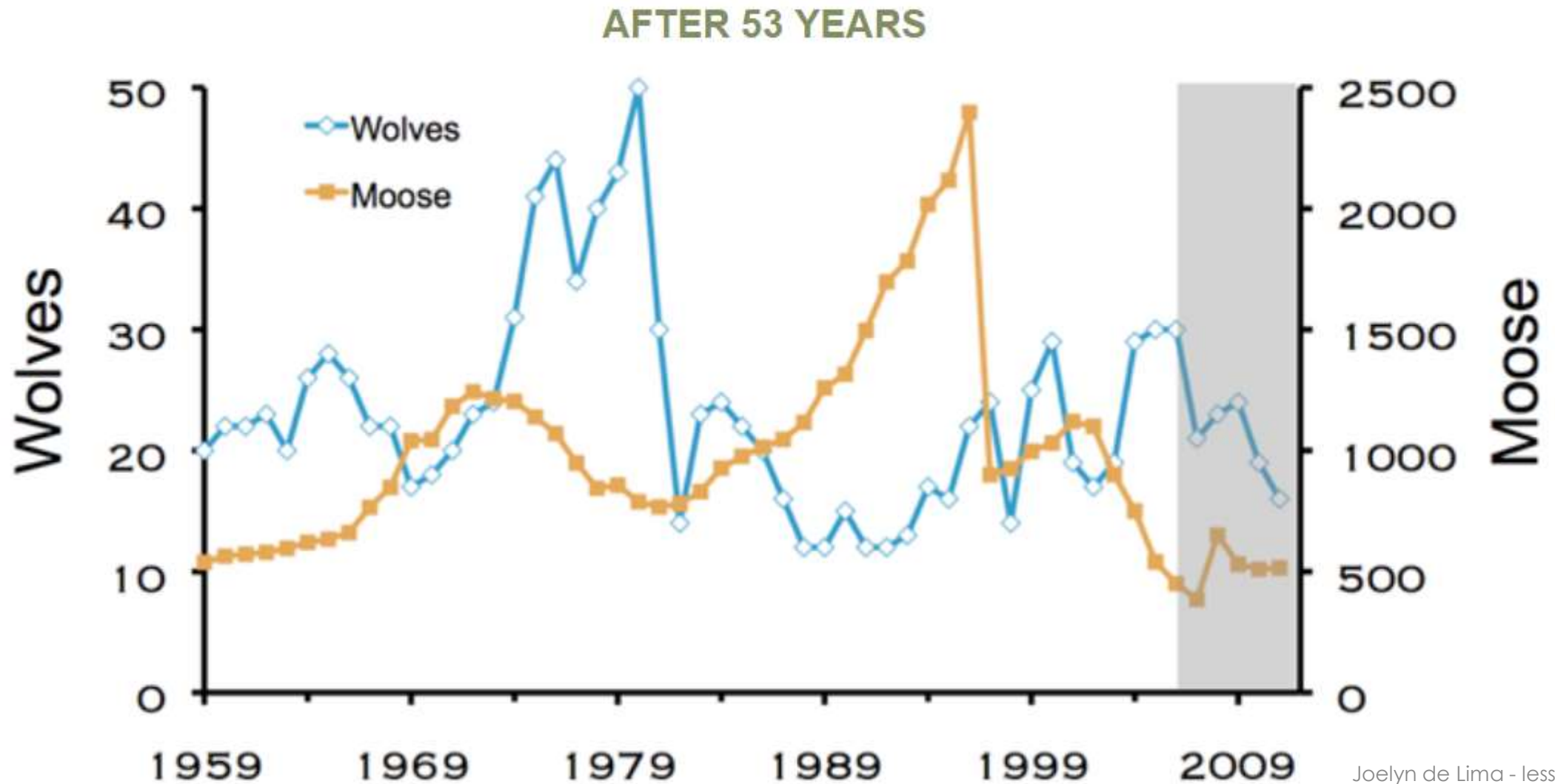
ACTIVITY 3: PAIR SHARE COME TO A CONSENSUS

- Compare the graphs of the two pairs and based on that added information create a consensus graph
- One person will share to the group



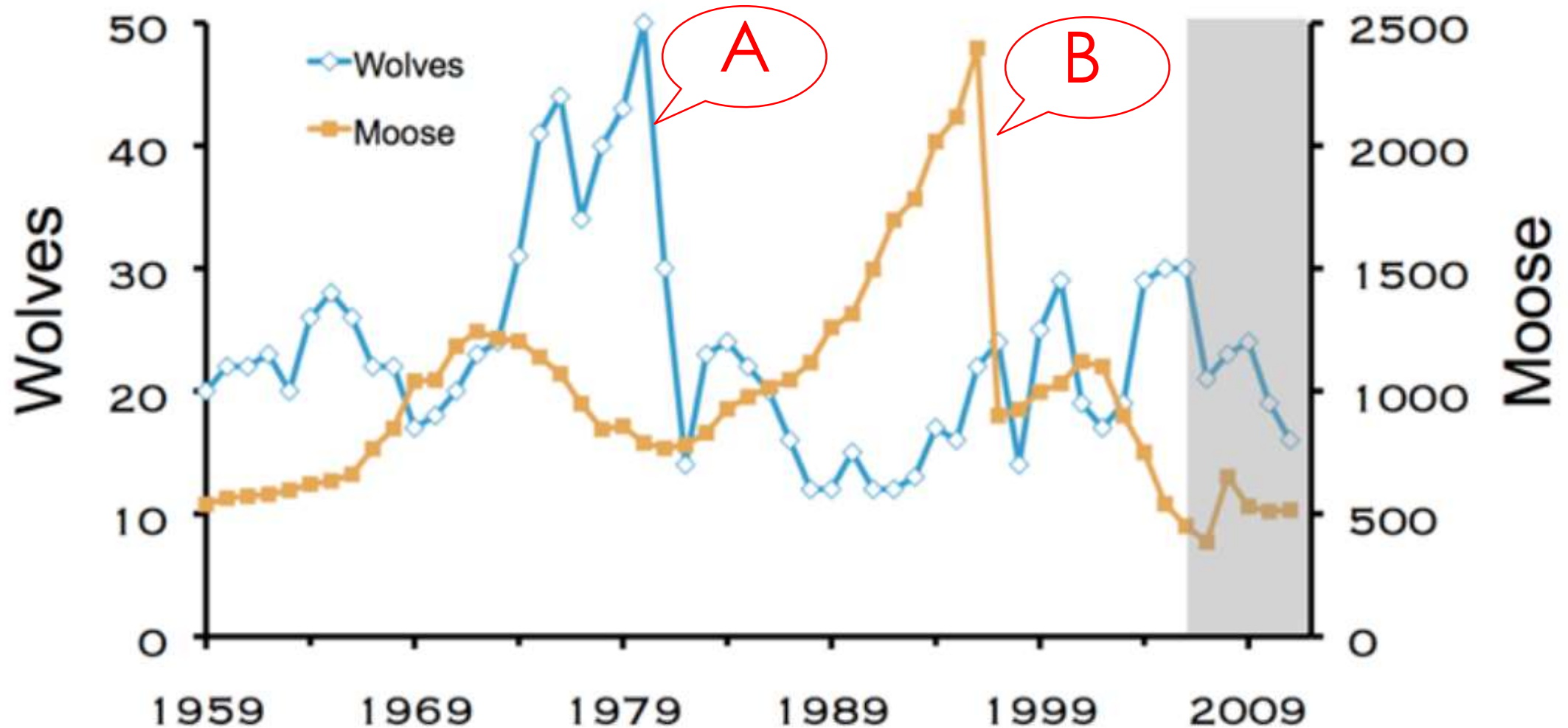
WHAT REALLY HAPPENED

FIVE DECADES OF FLUCTUATING WOLF AND MOOSE POPULATIONS

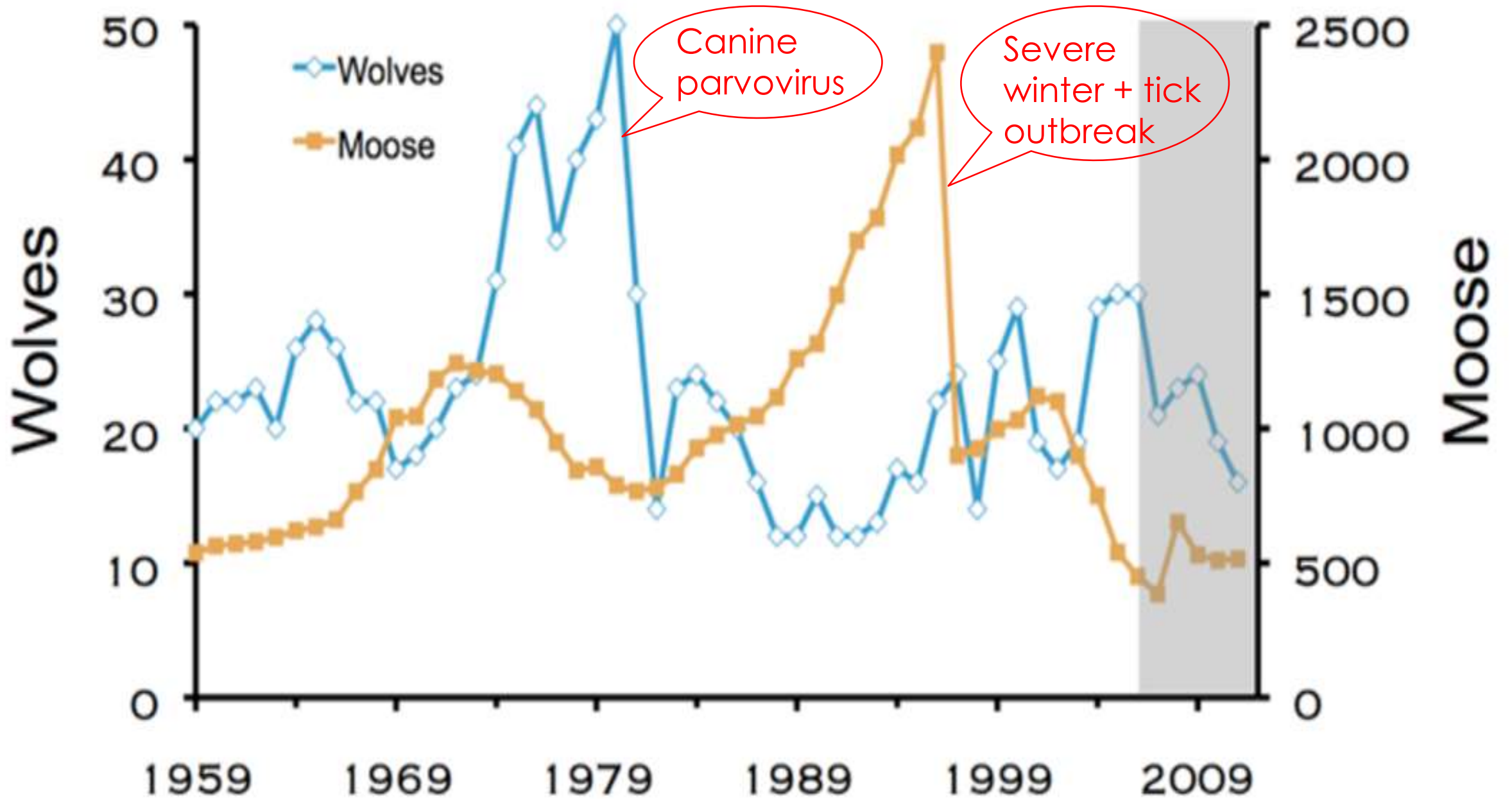


Activity 4: Think Pair Share

Then share your partners view in the group



What do you think happened at time points A and B?



THERE ARE OTHER PLAYERS!

Balsam Fir



Deer tick



Sharp
tailed
Grouse



Blueberry



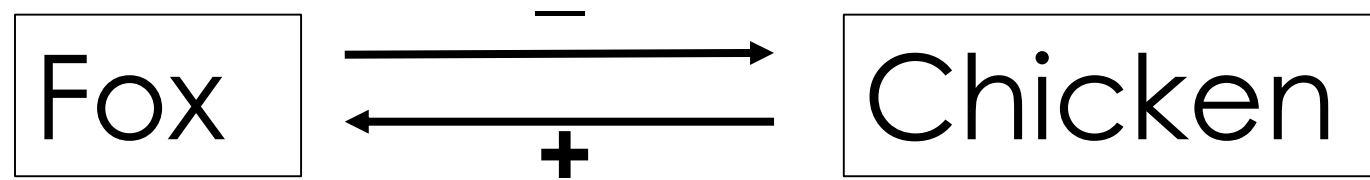
Borrelia
spp.



Bumblebee

Activity 5: Homework

- Build a model that shows interaction in the system



- Feel free to talk to each other before drawing your pair of interactions
- Based on your model – predict the community structure of the island in 2100

STATUS TODAY

