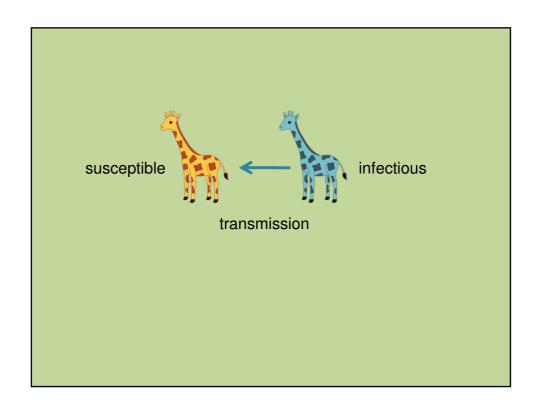


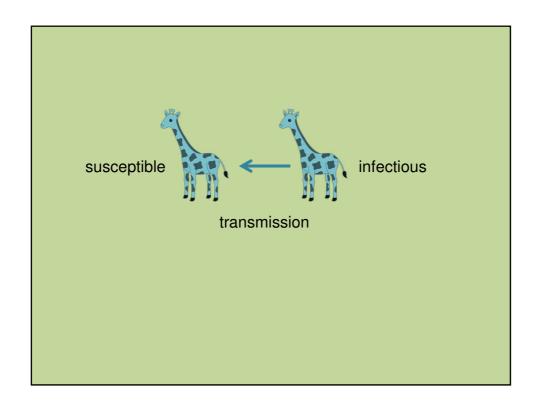


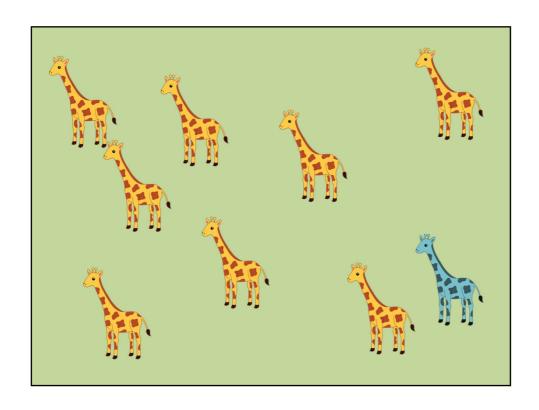


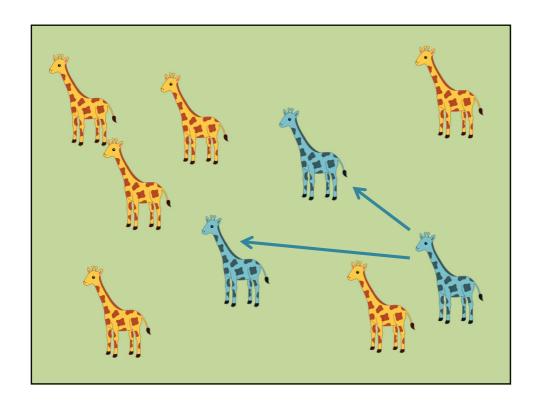


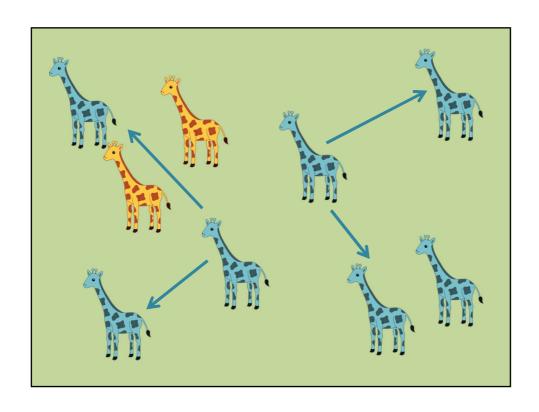
Susceptible and infectious hosts

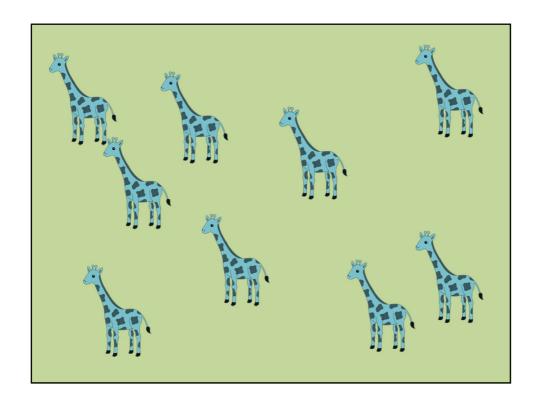




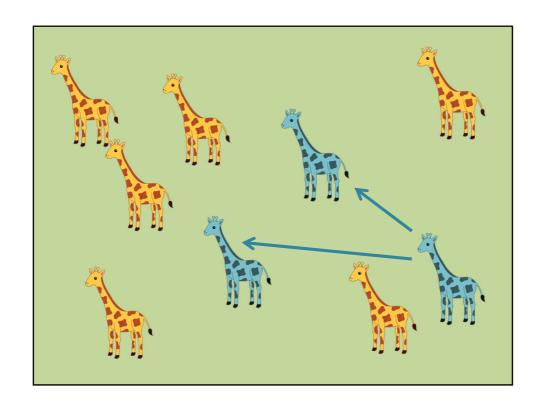


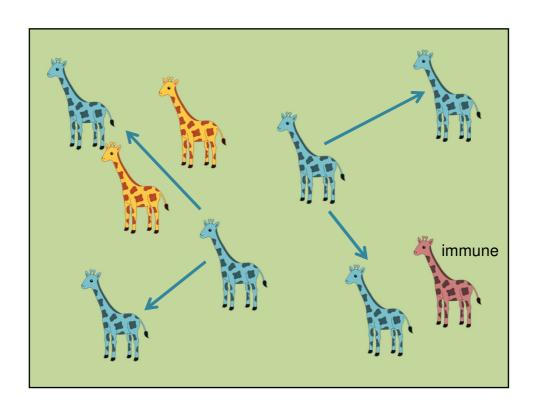


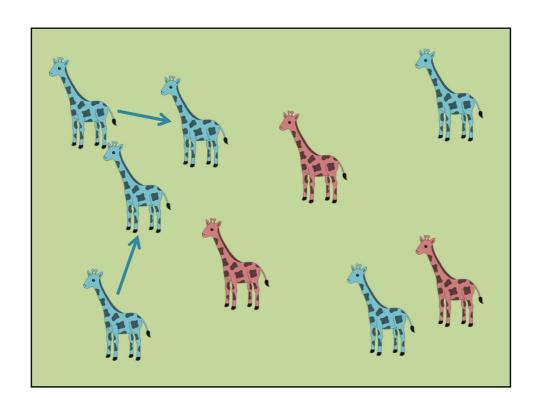


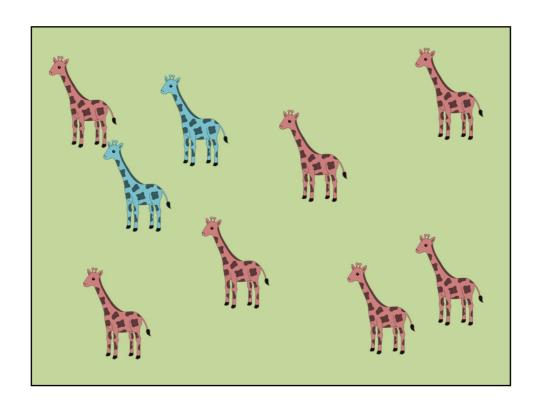


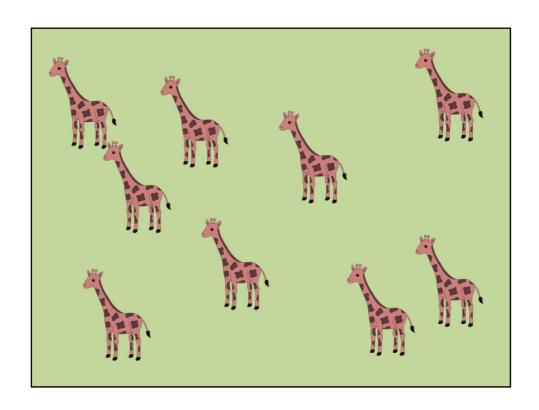
Immunity

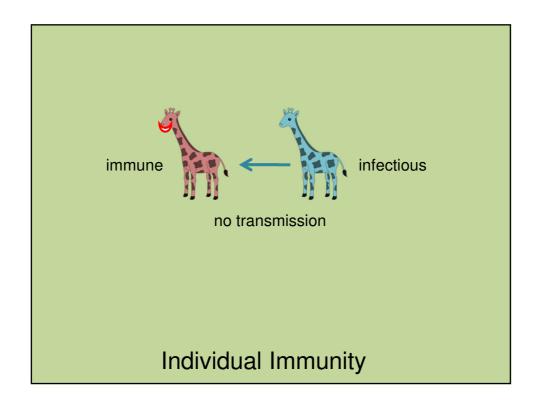


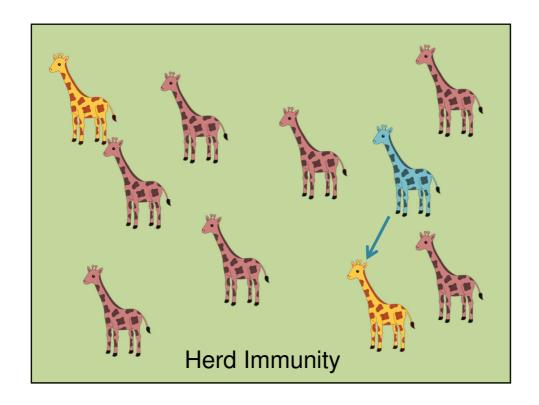


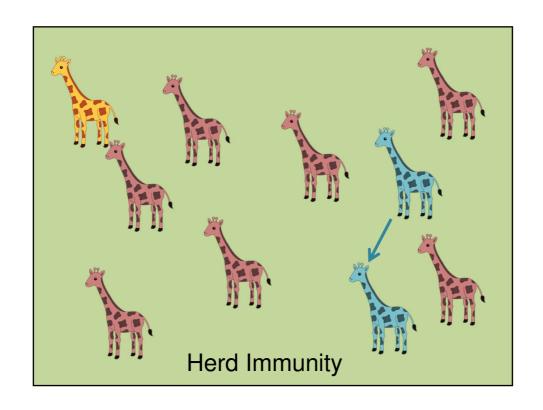


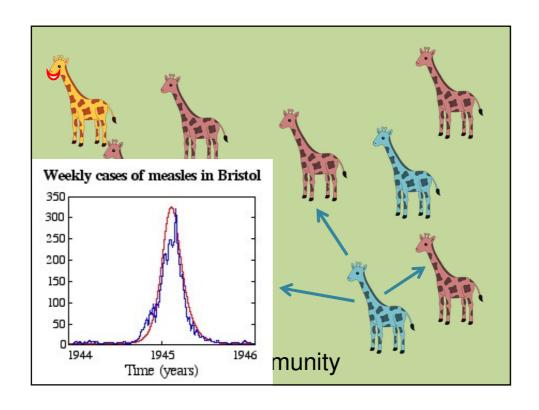


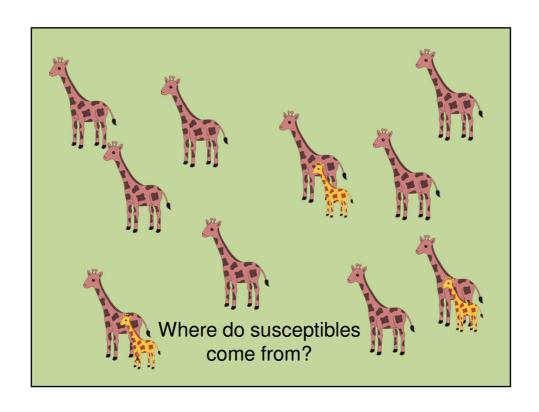




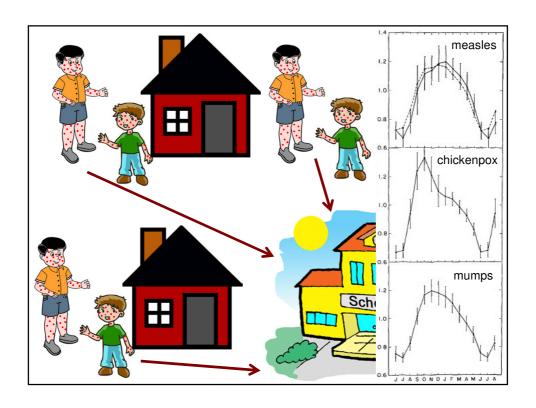


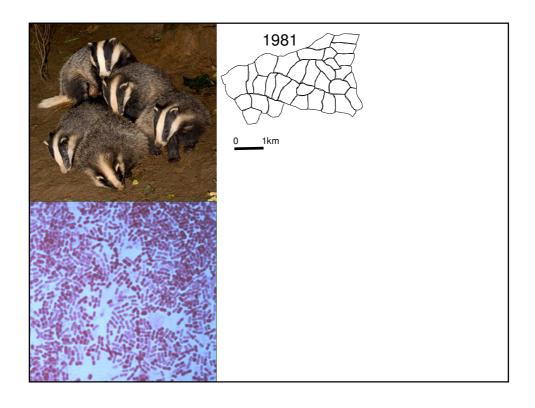


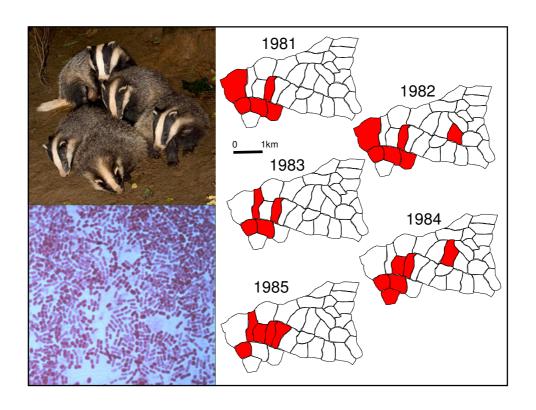




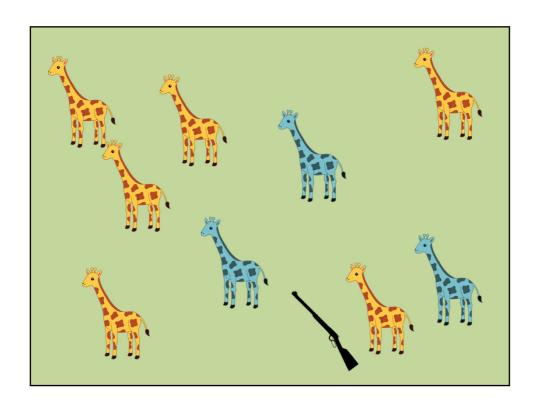
Population structure is important

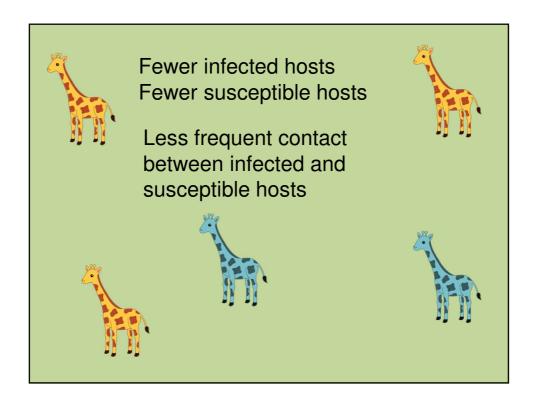


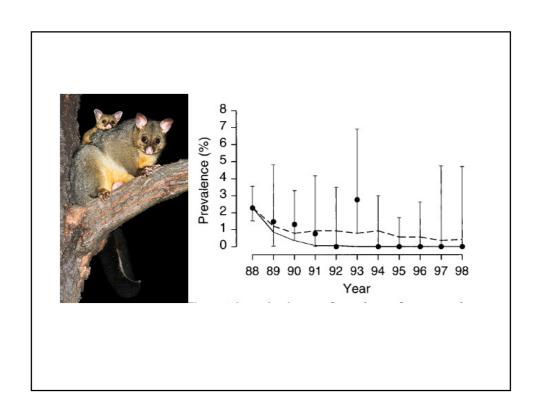


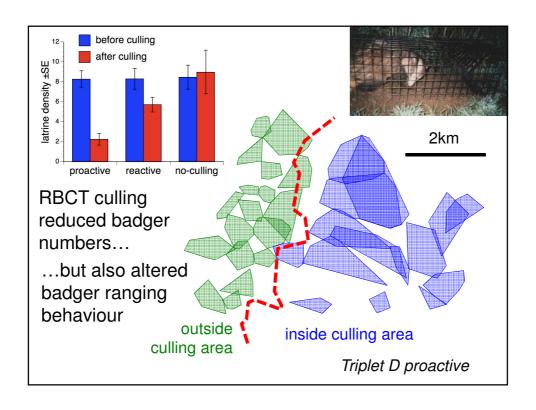


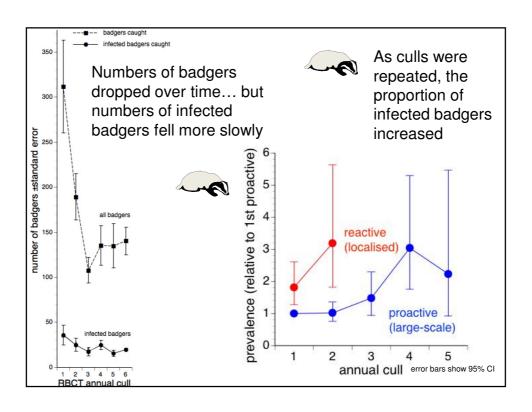
Culling

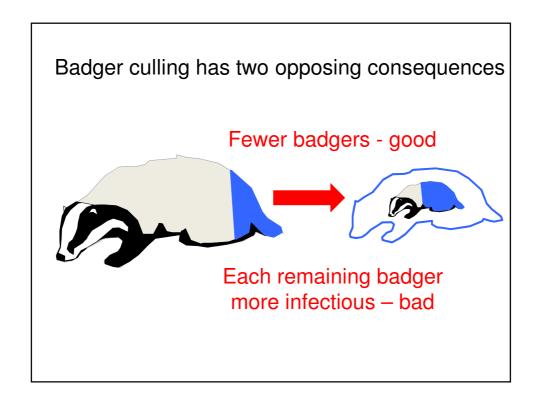


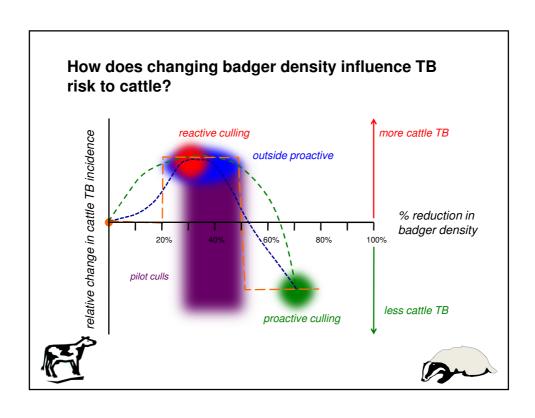


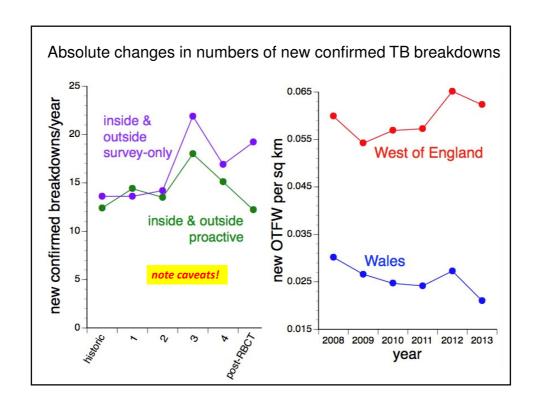










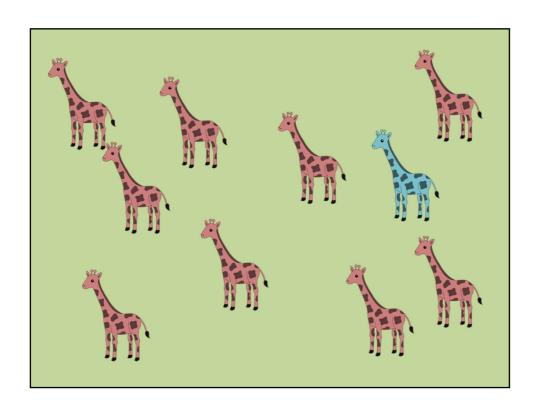


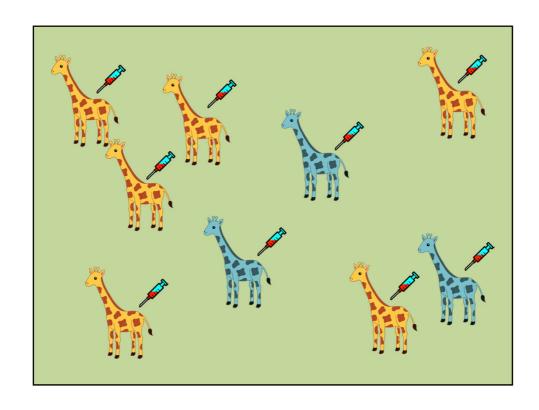


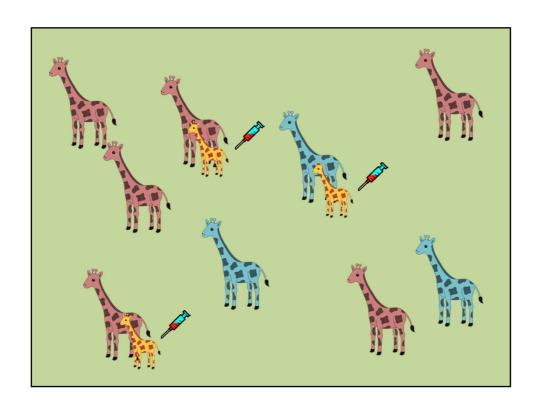
Approach	Badger numbers	Badger TB	Cattle TB	Annual cost/km <sup>2</sup>
Large scale cull	much reduced	increased	relatively less inside more outside	culling: (£300- £2,500) policing: £4,400
	17:17			

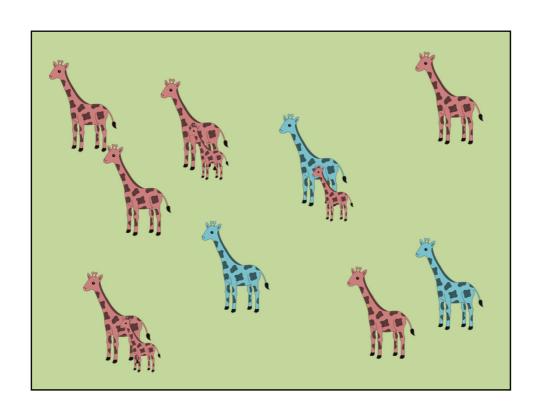
Approach	Badger numbers	Badger TB	Cattle TB	Annual cost/km²
Large scale cull	much reduced	increased	relatively less inside more outside	culling: (£300- £2,500) policing: £4,400
Small scale cull	somewhat reduced	increased	more	_
	17:17			

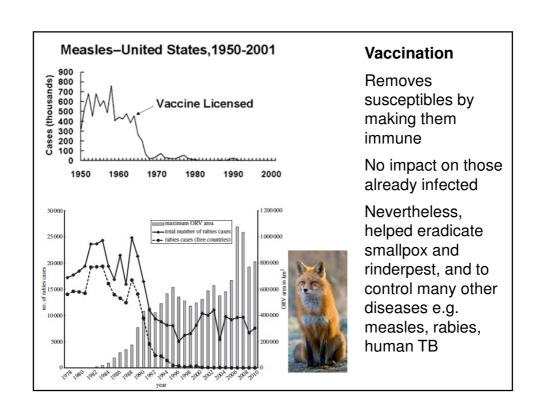
## Vaccination











## **Badger vaccination**

- injectable vaccine for badgers available now
- reduces individual risk of new infection by 76%
- reduces risk of unvaccinated cubs becoming infected by 79% if ≥30% of adults vaccinated in group
- leaves badger territory structure intact, which may enhance effectiveness of vaccination
- as transmission to other badgers is reduced, transmission to cattle also likely to be reduced
- wildlife sector keen to contribute to deployment

Approach	Badger numbers	Badger TB	Cattle TB	Annual cost/km²
Large scale cull	much reduced	increased	relatively less inside more outside	culling: (£300- £2,500) policing: £4,400
Small scale cull	somewhat reduced	increased	more	_
Vaccination	unchanged	(reduced)	(less)	£1,330- £4,000
	17:17			

