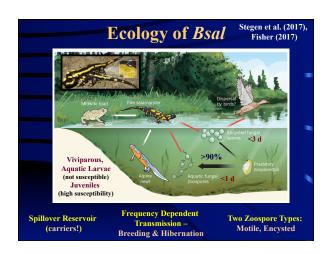
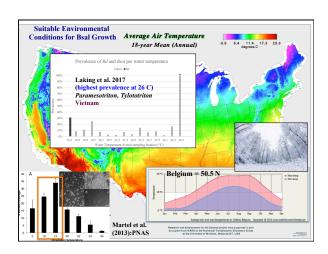
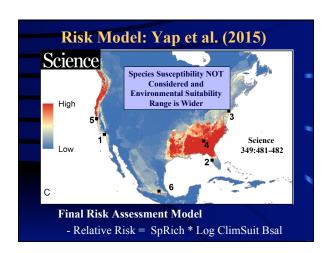


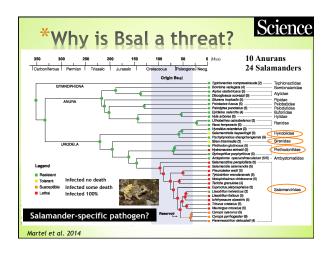
	Soil	
_	Infection load (GE) of the source animal	B. salamandrivorans transmitted to sentinel animal
	168	NO
	8560	YES
	t infectious anima transmission but	zoospores are
		zoospores are
	transmission but	zoospores are
	transmission but short-lived in soil	zoospores are (<2 days)
for	transmission but short-lived in soil	zoospores are (<2 days)
for	transmission but short-lived in soil	zoospores are (<2 days)



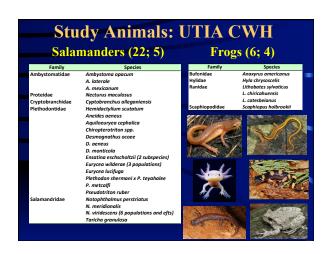




Ecology of Bsal Summary We know that Bsal: • Wide host range including anurans • Community composition matters for Bsal outbreaks to occur – Hyper-susceptible spp. • Bsal can infect hosts: 5 – 26 C • Environmental persistence of Bsal is probably <1 week – can adhere to waterfowl feet Host reservoir likely is needed! 1. What is the host range of Bsal in North America? i. Amplification, carriers, and dead-end hosts ii. Are there SGCN that are highly susceptible? 2. Can Bsal be amplified and maintained in North American amphibian communities?

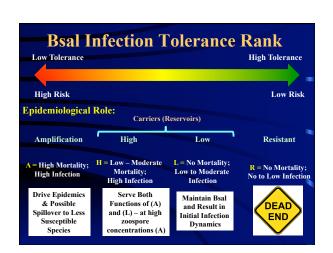


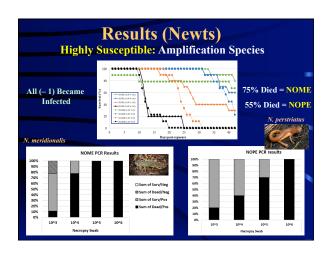


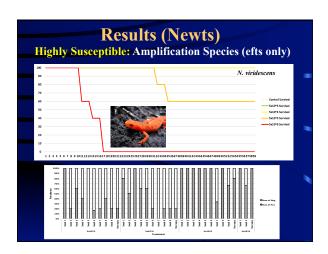


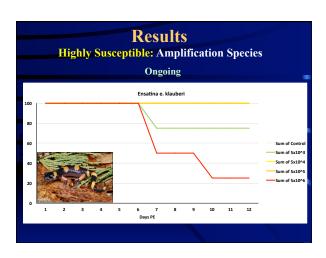






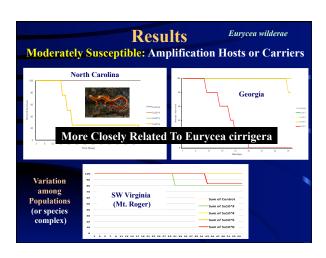


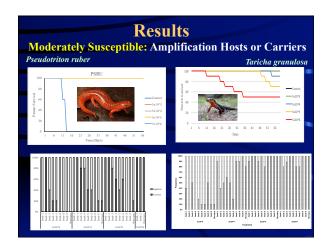


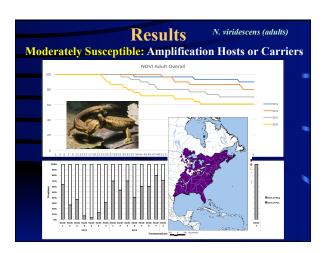


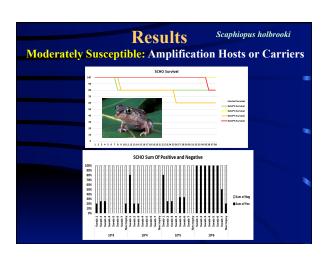




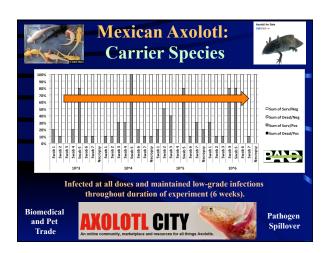


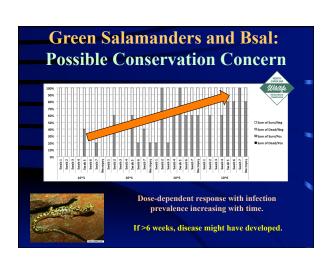


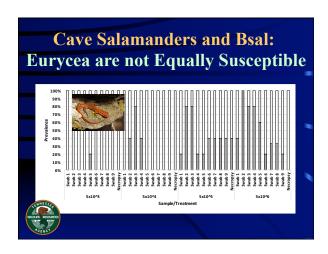


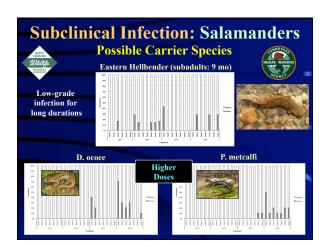


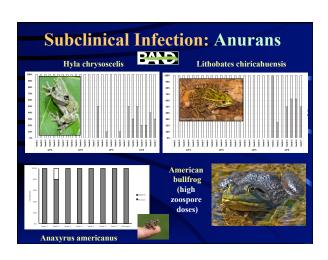




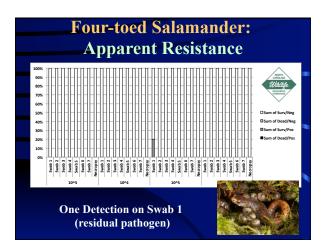


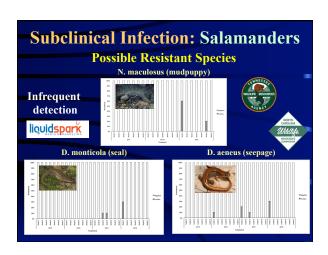


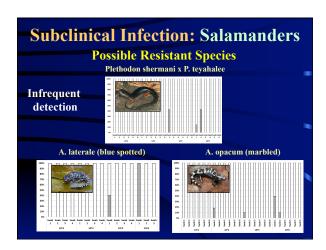




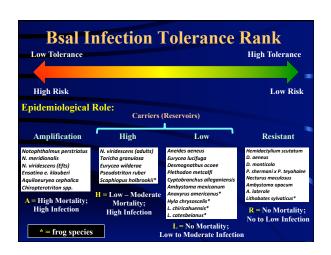












Conclusions • Most North American amphibian assemblages will be composed of suitable hosts with different tolerances to Bsal infection — Managing composition of amplification, reservoir, and dead-end hosts is a disease intervention option • All frog species tested (except one) were suitable hosts — Host range of Bsal is greater than expected, which increases the likelihood of entry through trade • Several SGCN are classified as high risk — Bsal represents a significant threat to U.S. biodiversity The combination of amplification and carrier species and suitable environmental conditions exist in the USA create the "perfect storm" for Bsal emergence.

