

# **One Health Zoonotic Disease Management**



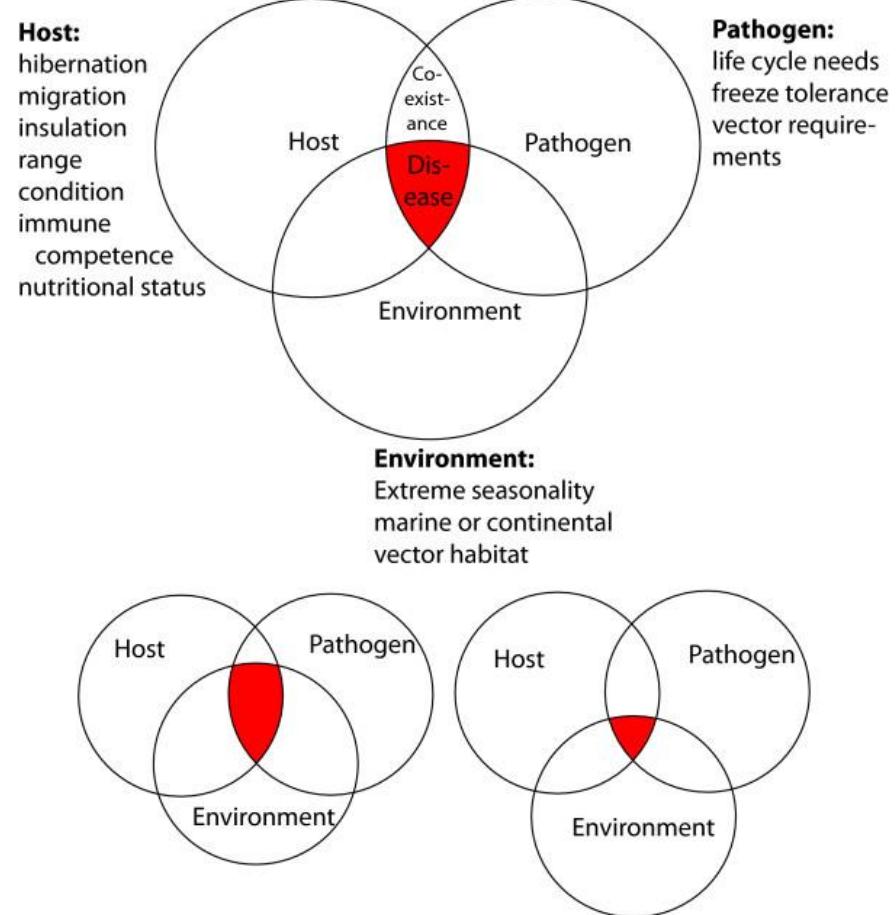
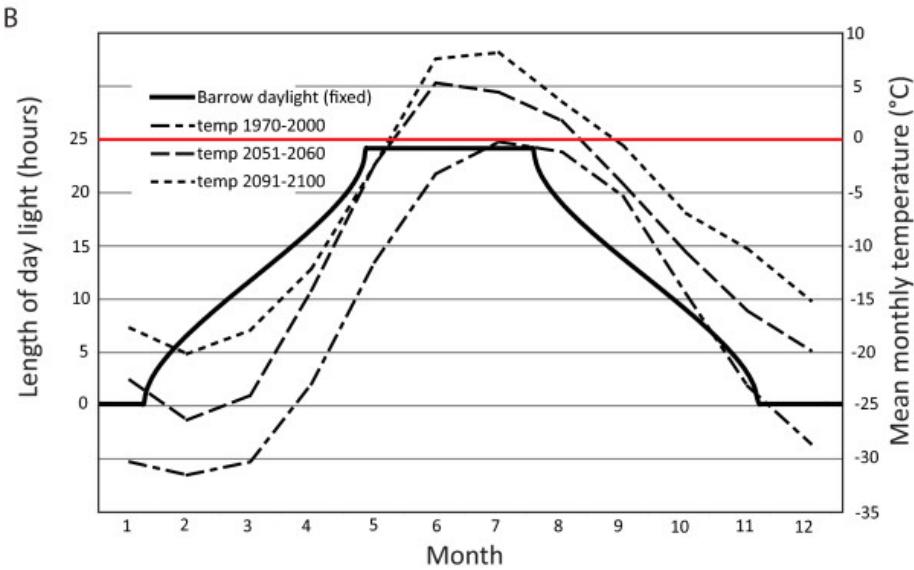
## **Rabies in Alaska as an Example**

**Karsten Hueffer**

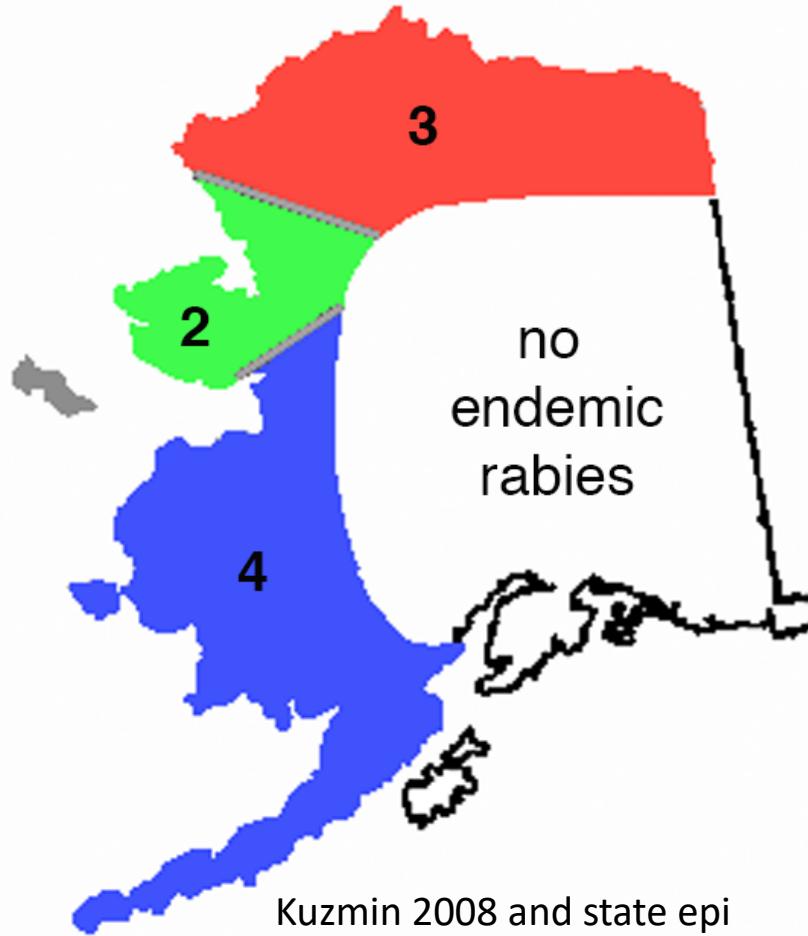
Department of Veterinary Medicine  
College of Natural Science and Mathematics

**UAF**

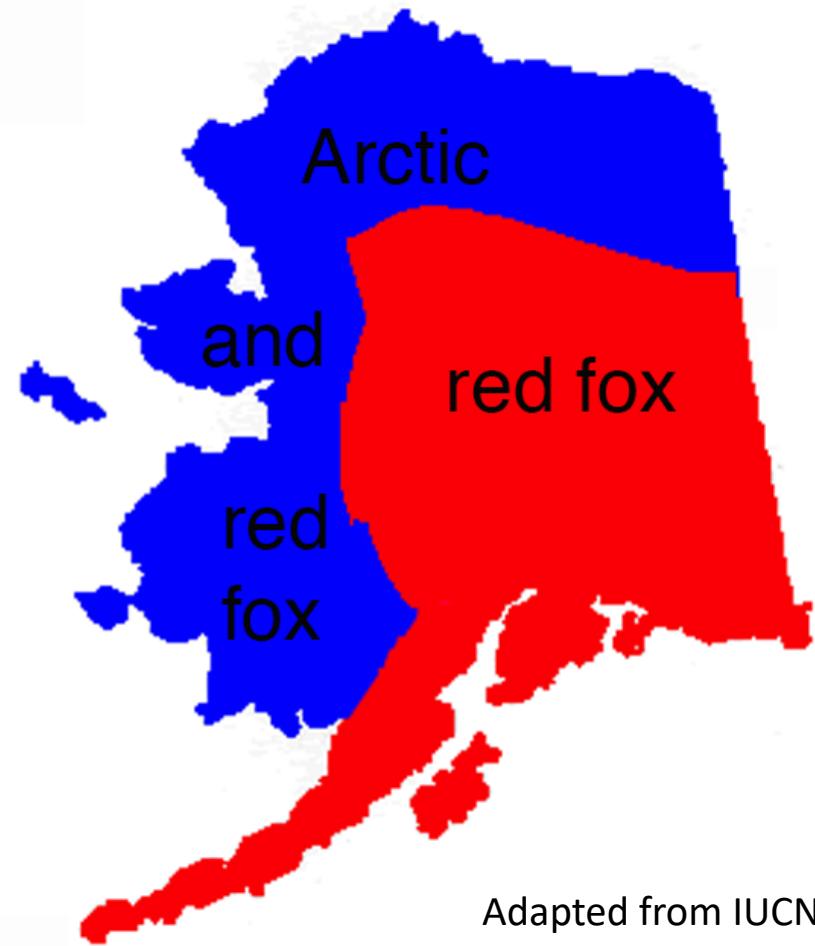
# Infectious Diseases in a Changing Arctic



# Foxes and Rabies in Alaska

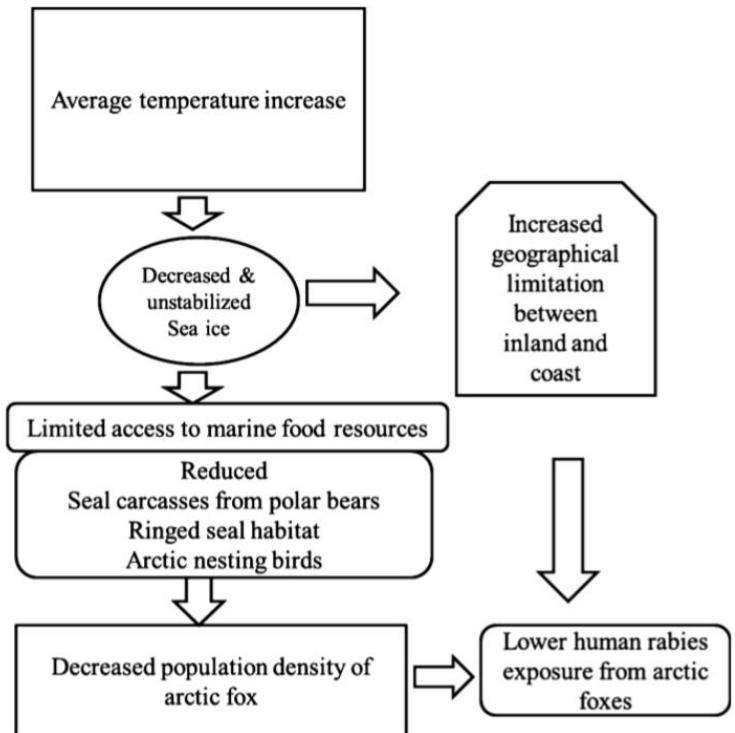
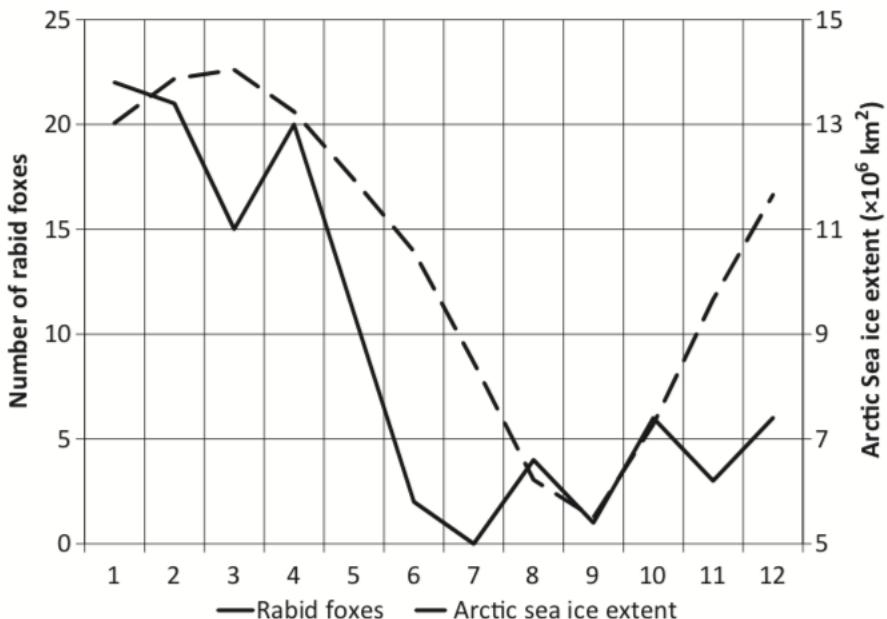


Rabies



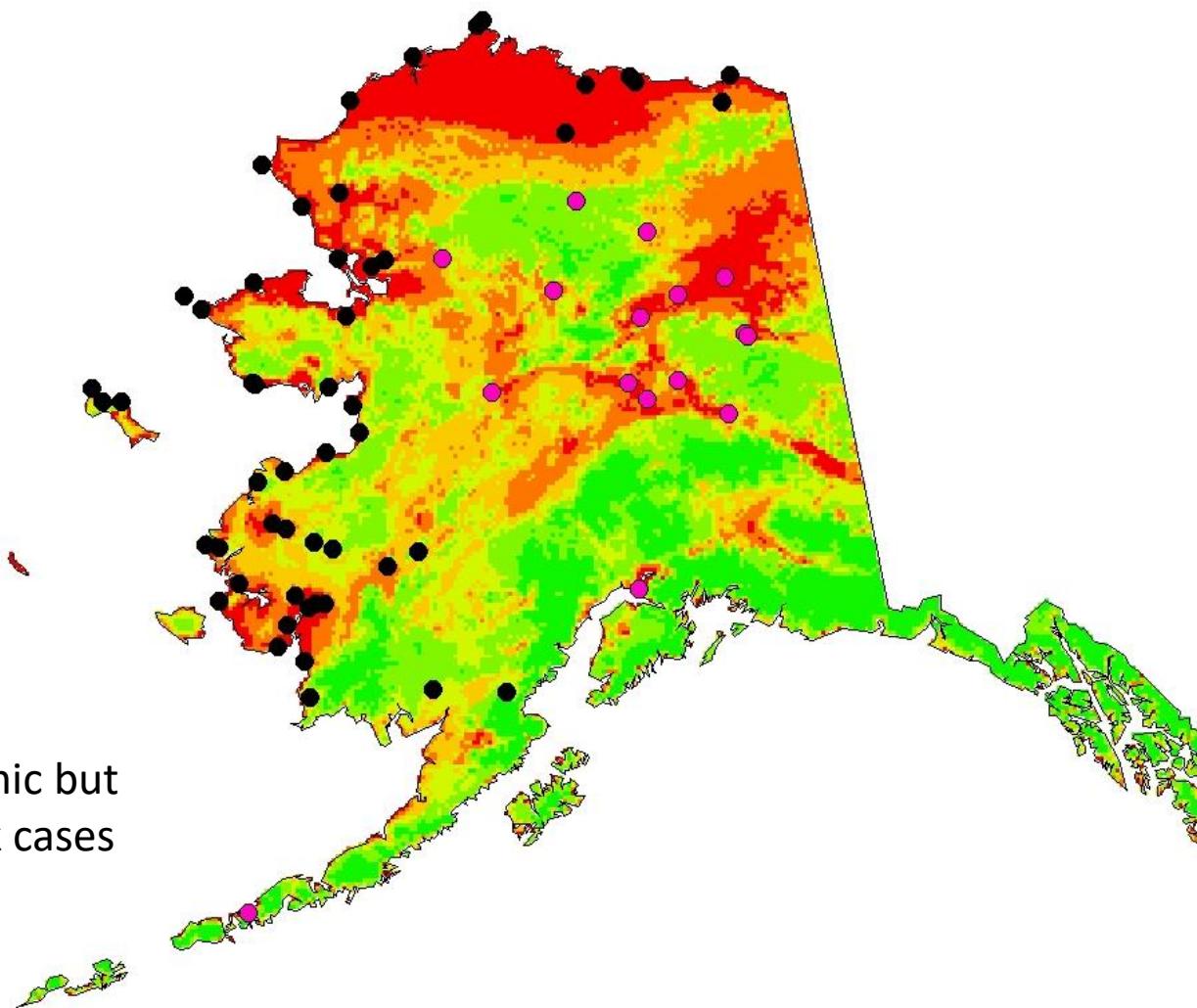
Foxes

# Conceptual Framework for Rabies in Alaska



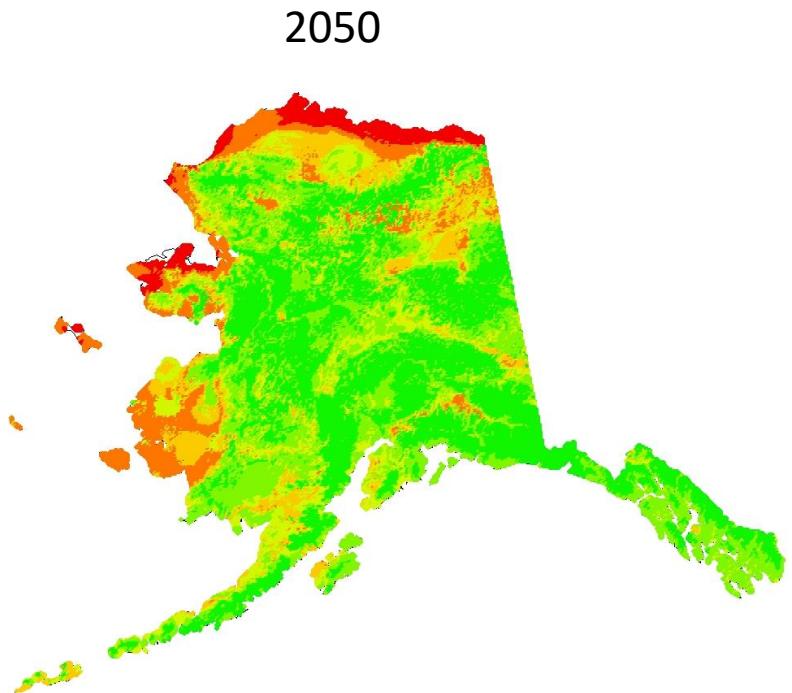
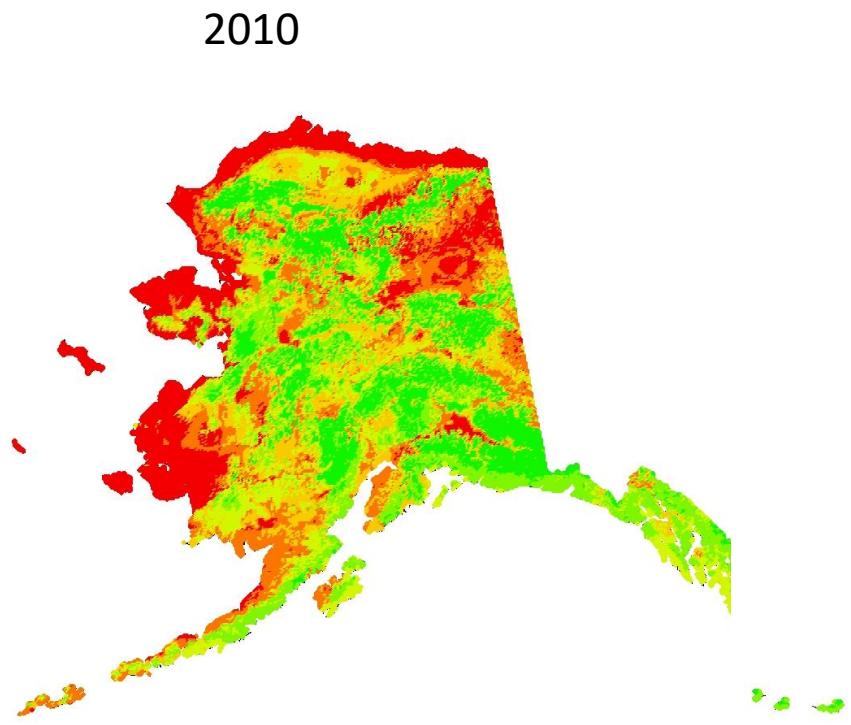
**Fig. 4.** Hypothetical model of climate change on human exposure to arctic fox rabies in Alaska.

# Ecological Niche of Rabies in Alaska

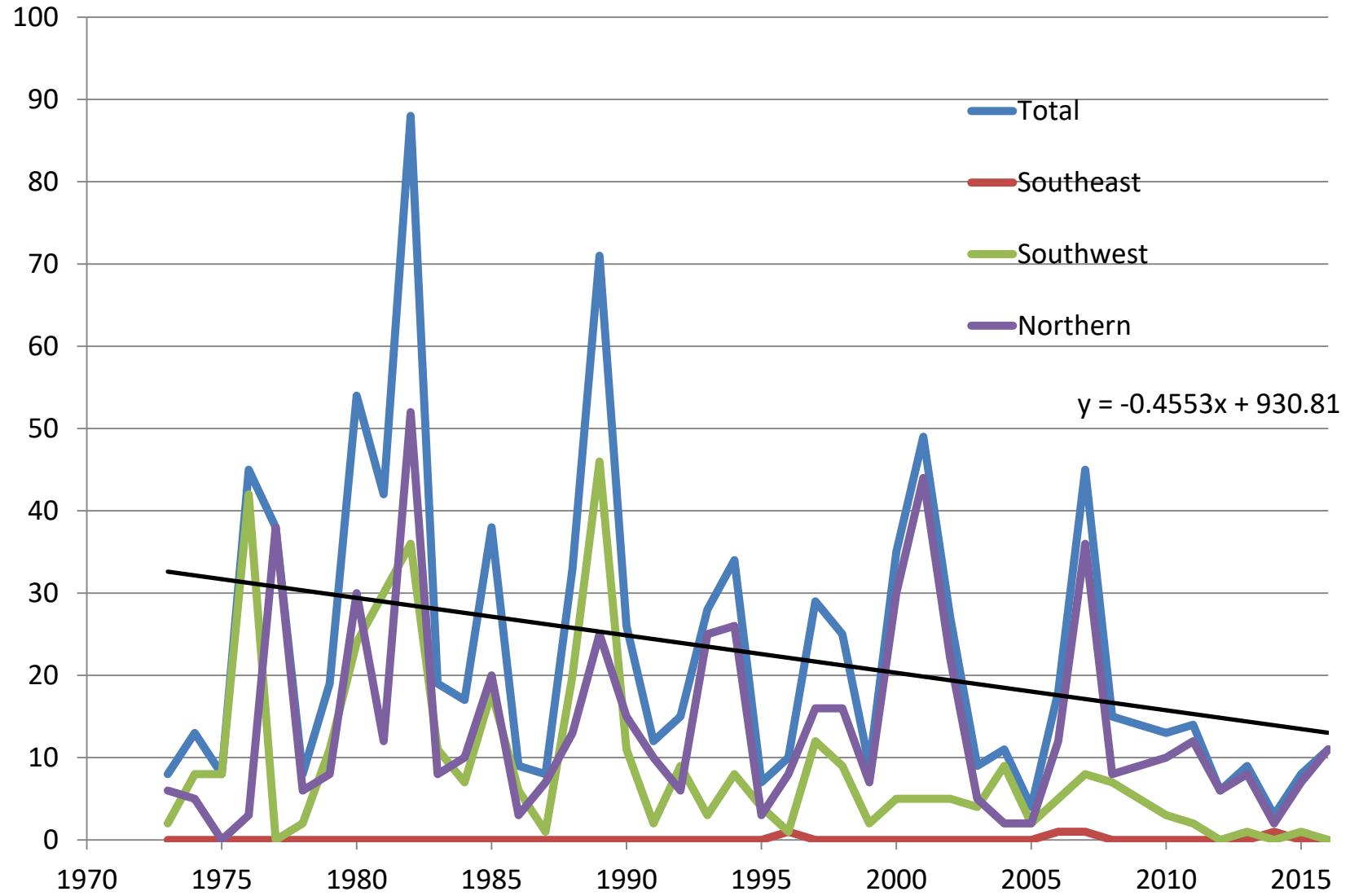


Model based on endemic but  
predicts most outbreak cases  
as well

# Will Climate Change Alter the Ecological Niche for Rabies in Alaska?



# What has happened so far?



# Outlook

- It's connected
- It's complicated
- It's going to be surprising

