

HABITAT VULNERABILITY ASSESSMENT

Hector Galbraith
Manomet Center for Conservation Sciences

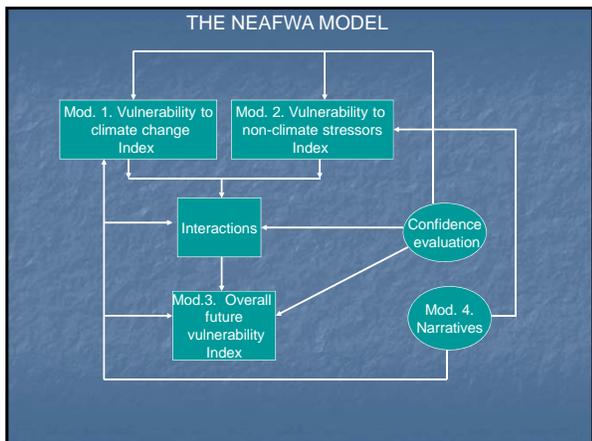
THE NEAFWA MODEL - REGIONAL CONTEXT

- Intended to scale-up to entire NE Region
- Regional Adaptation Strategy
- Regional context essential for effective decision-making
- Also provides individual states with preliminary VA

THE NEAFWA MODEL

Has six major elements:

1. Module 1. Assessment of vulnerability to climate change
2. Module 2. Assessment of vulnerability to non-climate stressors
3. Module 2. Interaction potential
4. Module 3. Assessment of overall future vulnerability
5. All Modules. Confidence evaluation
6. Module 4. Narratives (transparency)



- ### VULNERABILITY CATEGORIES
- Least vulnerable – large habitat gain
 - Less vulnerable – habitat gain
 - Vulnerable – modest changes
 - Highly vulnerable – substantial habitat loss
 - Critically vulnerable – major habitat loss

- ### Opportunity to check our work in some cases
- FIA data shows that forests are not behaving as predicted
 - Failure to migrate: lack of tree range expansion in response to climate change
 - Zhu, et al 2011

Opportunity to check our work
in some cases

Required some preconditions such as
agreement on regional habitat
classification and ability to show results on
a map
