

Goals

<u>Goal 1.</u> Be able to identify, recognize, and discuss the different components of vulnerability, how they are measured, and why they matter.

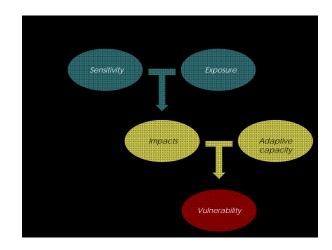
<u>Goal 2</u>. Recognize how to assess those components by comparing the data, tools, and models used in the assessment.

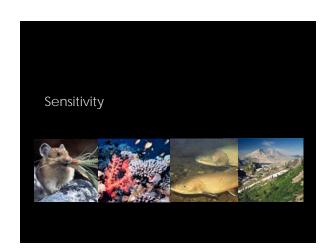
Vulnerability

Sensitivity – the degree to which the persistence or functioning of a species or system is dependent on climate or factors driven by climate

Exposure – the magnitude of the change in climate or climate driven factors that the species or system in question will likely experience

Adaptive capacity - the degree to which a species or system can change or respond to address climate impacts

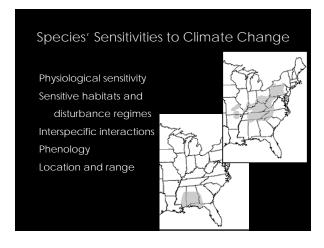




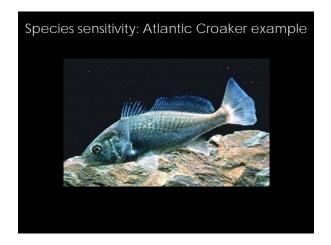


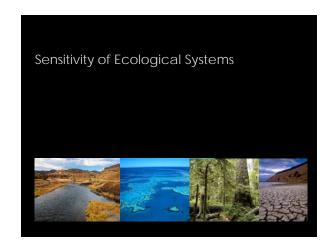


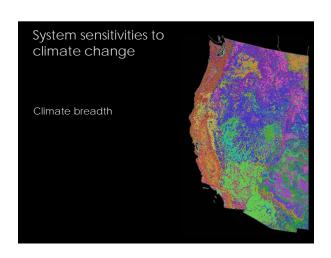
Species' Sensitivities to Climate Change Physiological sensitivity Sensitive habitats and disturbance regimes Interspecific interactions Phenology











System sensitivities to climate change Climate breadth Sensitivities of important species System sensitivities to climate change Climate breadth Sensitivities of important species Disturbance regimes System sensitivities to climate change Climate breadth Sensitivities of important species Disturbance regimes Other stressors

System sensitivity: Coral Reef example	
Activity 1. Assessing sensitivity	