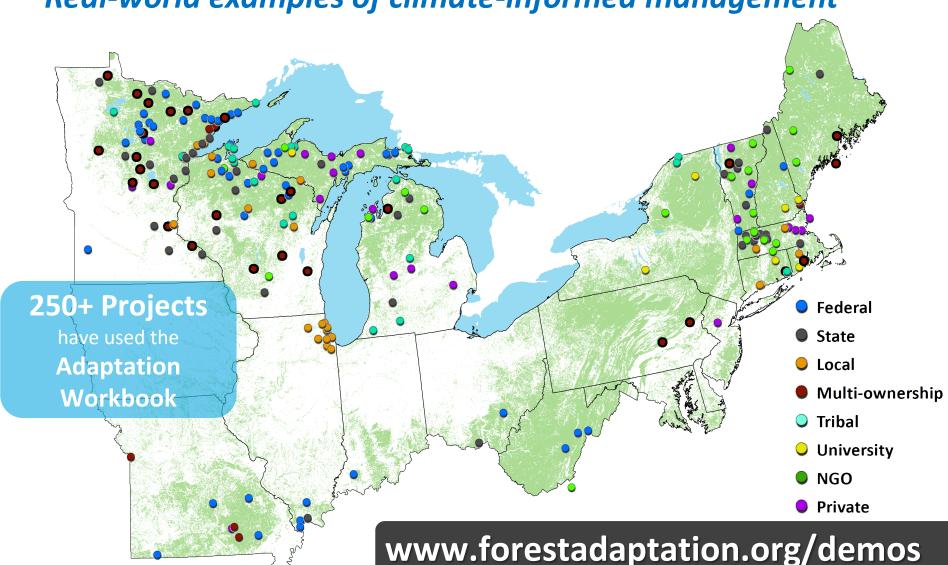
### **Adaptation Demonstrations**

Real-world examples of climate-informed management



#### **Adaptation Options in Projects**



#### **RESILIENCE**

**TRANSITION** 







#### **Northern New England:**

32%	43%	25%

#### **Southern New England:**

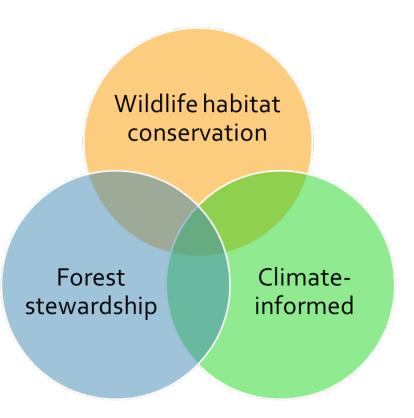
<b>71%</b>	46%	33%
<b>21</b> /0	4070	<b>33</b> /0

## Norcross Wildlife Sanctuary (MA/CT)



### Norcross Wildlife Sanctuary (MA/CT)





### Norcross Wildlife Sanctuary (MA/CT)



- Increase tree species diversity and forest structure
- Reduce impacts from forest pests and diseases
- Promote native species adapted to future conditions



## Trustees' Notchview Reservation(MA)



- Reduce impacts from forest pests and invasive species
- Match forest management actions to forest conditions and threats
- Use forest harvest to promote future-adapted tree species

# Atlas Timberlands (VT)



- Implement summer harvest on "winter ground"
- Road layout, pre-sale planning, temporary bridge installation





## Trout Unlimited & Partners (VT/MA)



- Improve culverts to increase stream connectivity
- Remove and stabilize failing infrastructure
- Increase stream woody material
- Manage forest uplands for tree health and diversity

#### Providence Water (RI)





- Reduce impacts from forest pests and diseases
- Promote future-adapted tree species by planting southern species (black oak, pin oak, persimmon, pitch pine, shortleaf pine)
- Minimize impacts from herbivory

#### Principles for Adaptation

- Prioritization and triage direct actions based on vulnerability and anticipated effectiveness
- Flexible and adaptive management stay flexible, and improve over time
- "No regrets" decisions emphasize win-win actions, especially in the short-term
- Precautionary actions take action to reduce risk in the most vulnerable systems
- Variability and uncertainty design actions to accommodate a greater variety of future conditions
- Integrating mitigation use complimentary actions to ensure forest can sequester carbon