

## PROMOTE FORESTS DIVERSE AGE CLASSES

### OBJECTIVE

Increase forest resilience.

### DESCRIPTION

Species are vulnerable to stressors at different stages in the species life cycle. Maintaining multiple age classes of a species will help increase structural diversity within stands or across a landscape, as well as buffer vulnerability to stressors of any single age class. Monocultures and even-aged stands are often more susceptible to insect pests and diseases, many of which are likely to increase in range and severity as a result of climate change; maintaining a mosaic of even-aged stands of varying ages across the landscape will increase diversity in these forest types.

### EXPECTED RESULTS

Forests less susceptible to alterations due to climate change.

### RESULT INDICATORS

Number of trees for each age class

### INVOLVED ACTORS

Local government, local stakeholders, fire department, environmental agencies.

### EXPECTED TIMELINE FOR ACTION

- Medium term (5-10 years)

### BEST PRACTICES

- Pennsylvania – USA
- USA
- Canada

### CRITICALITIES

Possible costs for maintaining age diversity of different species.

### SCOPE OF THE ACTION

- Adaptation

## TYPE OF PROPOSED ACTIONS

- Green

## SECTOR OF ACTION

- Agriculture / Forests / Land use
- Biodiversity / Conservation of ecosystems
- Other

## CLIMATE IMPACTS

- Change or loss of biodiversity
- Fires

## IMPLEMENTATION SCALE

- Association of municipalities
- Province

## SOURCE

<https://www.nrs.fs.fed.us/>