RETAIN BIOLOGICAL LEGACIES

OBJECTIVE

Preserve diversity.

DESCRIPTION

Biological legacies of desired species can facilitate persistence, colonization, adaptation, and migration responses to climate change. Silvicultural treatments designed to retain biological legacies can be conducted to create diversity in structure, species composition, and unique characteristics while maintaining the appropriate density of desired species. An example of a tactic that is already in practice is to retain individual trees of a variety of species to maintain their presence on the landscape. This tactic could also be used to provide both a potential seed source for species and genotypes that are expected to be better adapted to future conditions, as well as future nurse logs for regeneration of some species.

EXPECTED RESULTS

Preserved biological diversity of desired species.

RESULT INDICATORS

Number of desired species preserved

INVOLVED ACTORS

Local government, local stakeholders.

EXPECTED TIMELINE FOR ACTION

- Medium term (5-10 years)

BEST PRACTICES

- Wisconsin – USA
- Massachusetts – USA
- Argentina
- Autonomous Provinces of Trento and Bolzano - Italy

CRITICALITIES

Possible management issue.

SCOPE OF THE ACTION

- Adaptation

TYPE OF PROPOSED ACTIONS

- Green
- Soft

SECTOR OF ACTION

- Biodiversity / Conservation of ecosystems
- Other

CLIMATE IMPACTS

- Change or loss of biodiversity
- Other

IMPLEMENTATION SCALE

- Province
- Region / Country

SOURCE

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