# MANAGEMENT OF ALTERED ECOSYSTEMS

## OBJECTIVE

Prepare to realign management of significantly altered ecosystems to meet expected future environmental conditions.

## DESCRIPTION

Management of altered systems that may be realigned to create necessary change in species composition and structure to better adapt forests to current and anticipated environments. Developing clear plans that establish processes for realigning significantly altered ecosystems before engaging in active management will allow for more thoughtful discussion and better coordination with other adaptation responses.

## EXPECTED RESULTS

Degraded or suffering species replaced.

## RESULT INDICATORS

Number of plant species replaced
Number of plant species suffering

## INVOLVED ACTORS

Ecologists, natural managers, scientists, governments.

## EXPECTED TIMELINE FOR ACTION

- Medium term (5-10 years)
- Long term (> 10 years)

## BEST PRACTICES

- Wisconsin
- New Zealand
- Africa, Asia, America and Europe

## CRITICALITIES

Promptly identify the species suffering from environmental changes and update the plans. Impact on animal species.

## SCOPE OF THE ACTION

- Adaptation

## TYPE OF PROPOSED ACTIONS

- Green
- Soft

## SECTOR OF ACTION

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

## CLIMATE IMPACTS

- Change or loss of biodiversity
- Drought
- Extreme precipitation
- Extreme temperatures
- Fires
- Floods
- Salinization and acidification of water
- Strong winds
- Other

## IMPLEMENTATION SCALE

- Association of municipalities
- Municipality
- Province
- Region / Country

## SOURCE

https://www.nrs.fs.fed.us/pubs/42179