## **FAVOUR OR RESTORE NATIVE SPECIES**

#### **OBJECTIVE**

Favour and restore native species that could better adapt to future conditions.

## **DESCRIPTION**

To favour native and more resilient species in a community or forest type should get better under future climate change can facilitate a gradual shift in the forest composition. Establishing or emphasizing future-adapted species now may create opportunities to fill the niche left by species that decline. Where communities are dominated by one or a few species, this approach will probably lead to conversion to a different community type, albeit with native species.

Examples: underplanting a variety of native species on a site to increase overall species richness and provide more options for future management; favouring or establishing oak, pine, and other species more tolerant to drought and heat on narrow ridge tops, south-facing slopes with shallow soils, or other sites that are expected to become warmer and drier; seeding or planting drought-resistant genotypes of commercial species (e.g., loblolly pine) where increased drought stress is expected.

### **EXPECTED RESULTS**

Identified species that withstand future climate conditions and be adapted to harsh urban environments.

## **RESULT INDICATORS**

Number of native species preserved.

# **INVOLVED ACTORS**

Animal or plant experts, natural managers, communities, scientists.

## **EXPECTED TIMELINE FOR ACTION**

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

## **BEST PRACTICES**

Caribbean; Midwest & Northwest - USA

#### **CRITICALITIES**

Different tolerances to future climatic conditions by species.

# **SCOPE OF THE ACTION**

Adaptation



# **TYPE OF PROPOSED ACTIONS**

• Green

## **SECTOR OF ACTION**

- Agriculture / Forests / Land use
- Biodiversity / Conservation of ecosystems
- Public health
- Tourism and leisure
- Urban settlement
- 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**

• Region / Country

## **SOURCE**

https://adaptationworkbook.org/niacs-strategies/forest https://www.fs.usda.gov/ccrc/approach/favor-or-restore-native-species-are-expected-be-adapted-future-con ditions-0

