

## ESTABLISH ARTIFICIAL RESERVES FOR AT-RISK AND DISPLACED SPECIES

### OBJECTIVE

Preserve at risk species.

### DESCRIPTION

Species already exist outside their natural habitats in nurseries, arboretums, greenhouses, botanical gardens, and urban environments around the world. These highly controlled environments may be used to support individuals or genetic lineages that are no longer able to survive in their former location or to serve as interim refugia for rare and endangered plant species that have specialized environmental requirements and low genetic diversity. These artificial reserves may in some cases maintain species until they can be moved to new suitable habitat.

### EXPECTED RESULTS

Endangered species saved from extinction.

### RESULT INDICATORS

Number of species saved from extinction

### INVOLVED ACTORS

Local government, environmental agencies.

### EXPECTED TIMELINE FOR ACTION

- Short term (1-4 years)

### BEST PRACTICES

- Australia
- Segovia - Spain
- USA

### CRITICALITIES

Although a controlled environment may be critical for at-risk species, this approach would probably require substantial resources.

### SCOPE OF THE ACTION

- Adaptation

## TYPE OF PROPOSED ACTIONS

- Green

## SECTOR OF ACTION

- Biodiversity / Conservation of ecosystems
- Other

## CLIMATE IMPACTS

- Change or loss of biodiversity
- Other

## IMPLEMENTATION SCALE

- Municipality

## SOURCE

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