IDENTIFY VULNERABILITIES TO SOIL PROCESSES

OBJECTIVE

Identify soil temperature, moisture, biological activity and carbon sequestration.

DESCRIPTION

Maintain and protect soil cover (canopy and ground cover); promote, maintain, and add to soil organic matter;promote native vegetation and minimize invasive species expansion.

EXPECTED RESULTS

Protecting soil vulnerable elements.

RESULT INDICATORS

Temperature [°C]
Moisture [kg/m³ or g/m³]
Biological activity [µg]
Carbon sequestration [t CO_2 eq]

INVOLVED ACTORS

Scientists, ecological experts, farmers.

EXPECTED TIMELINE FOR ACTION

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

BEST PRACTICES

- UK
- North America

CRITICALITIES

Updated data availability.

SCOPE OF THE ACTION

- Adaptation
- Mitigation

TYPE OF PROPOSED ACTIONS

- Green

SECTOR OF ACTION

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

CLIMATE IMPACTS

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

IMPLEMENTATION SCALE

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

SOURCE

https://www.fs.usda.gov/ccrc/approach/identify-vulnerabilities-soil-processes-including-temperature-moisture-biological-activity