

Environmental restoration is a multifaceted endeavor that aims to assist in the recovery of degraded, damaged, or destroyed ecosystems. It encompasses a wide range of activities, from soil rehabilitation and wildlife reintroduction to the revitalization of entire habitats.

Ecosystem Restoration:



🌐 **ecosystem** At its core, ecosystem restoration involves helping nature heal. This can entail active interventions like planting native species or removing invasive ones, as well as passive approaches such as reducing stressors that hinder natural recovery.

The United Nations Decade on Ecosystem Restoration emphasizes the urgency of this work, highlighting the potential for significant environmental and economic benefits.

🌐 **About the UN Decade | UN Decade on Restoration** For example, restoring degraded lands can improve soil fertility, increase biodiversity, and enhance carbon sequestration.

🌐 **Frontiers Publishing Partnerships | Land Recovery and Soil Management with Agroforestry Systems** You can learn more about this at the site for the decade of restoration:

Soil Restoration:



Healthy soil is fundamental to ecosystem function. Soil restoration practices include techniques like:

- 🌐 **Adding organic matter improves garden soils** - Adding organic matter to improve soil structure and fertility.
- Employing cover cropping to prevent erosion and nutrient loss. <https://www.climatehubs.usda.gov/hubs/northeast/topic/cover-cropping-improve-climate-resilience>
- Utilizing soil bioengineering, which uses living plants to stabilize soil and prevent erosion. [Restoring Natural Habitats: Soil Bioengineering's Role in Ecological Conservation](#)

Wildlife Restoration:



Wildlife restoration focuses on rebuilding populations of native species and restoring their habitats. This can involve:

- Reintroducing endangered or locally extinct species.
- Creating or restoring wildlife corridors to connect fragmented habitats.
 - 🌐 5 Ways Corridors Help Wildlife Survive and Thrive - Center for Large Landscape Conservation
- Removing invasive species that threaten native wildlife.
 - 🌐 The Importance of Wildlife Restoration | Michigan | Creature Control
- [Habitat loss / restoration - Understanding Global Change](#) Habitat loss is a major driver of wildlife decline, therefore habitat restoration is a key aspect of wildlife restoration.

In essence, environmental restoration is a critical process for safeguarding biodiversity, mitigating climate change, and ensuring the long-term health of our planet. It requires a holistic approach that addresses the interconnectedness of soil, wildlife, and ecosystems.

🌐 Ecosystem restoration key to future of people and planet, new report - UNEP-WCMC

Sources and related content

[A beginner's guide to ecosystem restoration - UNEP](#)

[How to ignite ecosystem restoration in your community - IUCN](#)

[Ecosystem Stress, Recovery, and Restoration - FWC](#)



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