

Nature Based Solutions

Forests



1 Smart afforestation has great benefits for carbon sequestration when forests are maintained to an old age and not cut down early.

2 Trees play an important role in natural recharge of groundwater, increasing flow and reducing requirements for treatment facilities.

3 Natural regeneration and restoration of degraded land can reduce emissions and provide valuable biodiversity (e.g. pollinators) to surrounding cropland.

4 Agroforestry provides a way to sequester carbon emissions on farmland, while reducing fertilizer demand and increasing agricultural resilience.

5 By incorporating ecosystem-level thinking, farmers can increase their profits and diversify their income sources to build economic resilience.

6 Creating a mosaic of land use can ensure efficient production of food, while also giving biodiversity a chance to thrive alongside crops.

7 Incorporating animal agriculture in a sustainable and responsible manner can increase benefits for both farmers and nature.

Mangroves

1 Well-maintained mangrove forests protect from erosion and flood damage, act as nurseries for key fish species, and increase biodiversity.

2 Mangroves act as coastal protectors against waves and flooding, especially when properly integrated with grey infrastructure such as dikes.

3 By providing fish larvae with hiding and feeding places, mangroves can support larger populations of commercially important fish species.

4 Mangroves keep coastal areas healthy, resilient, and vibrant, promoting tourism and helping locals maintain diverse sources of income.

References:

Information: World Wildlife Fund. (2020, October 20). *Fuller Symposium Nature-Based Solutions: Global Challenges, Greener Futures*. Online. <https://www.worldwildlife.org/pages/nature-based-solutions>

Images: Multiple contributors. (2020). Vecteezy. <https://www.vecteezy.com/>