

Case study :

In a small town called Greenville, a particular species of butterfly has been a beloved part of the local ecosystem for decades. However, in recent years, the number of these butterflies has been declining rapidly. The town's residents are concerned about the potential loss of this species. You are a conservation scientist tasked with investigating the reasons behind the decline in the butterfly population and proposing measures to conserve the species and its habitat.

1. Analyse the factors that might be contributing to the decline.
2. Suggest possible solutions for habitat restoration and butterfly protection.
3. Explain the importance of conserving local plant and animal species.”

Case Study: Balancing Conservation and Development in a Biosphere Reserve

In a picturesque region, a biosphere reserve has been designated to protect the unique biodiversity and ecosystems of the area. However, the reserve is facing challenges due to conflicting interests between conservation and development. As an environmental manager, you are tasked with finding solutions to maintain the delicate balance between these two objectives.

1. Analyse the concept of a biosphere reserve and its three interrelated zones.
2. Explore the benefits of each zone and their roles in conservation and sustainable development.
3. Highlight how effective management can lead to harmonious coexistence between conservation goals and human activities within the biosphere reserve