

Based on the land cover percentages provided, here are some possible solutions for reducing the urban heat island effect in Cluj-Napoca:

1. **Increase Green Spaces:** Encourage the planting of more trees and vegetation in urban areas, particularly in the urban and built-up areas. This can help increase shade, reduce surface temperatures, and improve air quality.
2. **Green Roofs and Walls:** Encourage the implementation of green roofs and walls on buildings to help absorb heat and provide insulation, thus reducing the overall temperature in urban areas.
3. **Cool Pavement Technology:** Use cool pavement materials that reflect more sunlight and absorb less heat, which can help lower surface temperatures in urban areas.
4. **Urban Planning:** Integrate green spaces and parks into urban planning to create a more sustainable and cooler cityscape. This can include designing streetscapes with more trees and vegetation to provide shade and reduce heat absorption.
5. **Public Awareness Campaigns:** Educate citizens about the benefits of planting trees, creating community gardens, and implementing green infrastructure on their properties to help reduce the urban heat island effect.
6. **Building Regulations:** Implement building codes and regulations that encourage the use of reflective and cool roofing materials to reduce heat absorption in urban areas.
7. **Sustainable Development:** Encourage the development of sustainable