

Based on the land cover percentages provided for Cluj-Napoca, it's clear that a significant portion of the city is covered by urban and built-up areas, which contributes to the urban heat island effect. Here are some possible solutions for reducing the temperature and mitigating the urban heat island effect in Cluj-Napoca:

1. **Increase Green Spaces:** Encourage the creation of more parks, community gardens, and green roofs to increase the city's green cover. This can help reduce the heat-absorbing surfaces and provide cooling through evapotranspiration.
2. **Tree Planting Programs:** Implement tree planting initiatives to increase the city's tree canopy cover. Trees provide shade, reduce surface temperatures, and release water vapor through transpiration, which can help cool the air.
3. **Cool Roof Initiatives:** Encourage the use of cool roofing materials on buildings to reflect more sunlight and absorb less heat, reducing the overall temperature in urban areas.
4. **Sustainable Urban Design:** Encourage the use of sustainable urban design practices, such as incorporating permeable paving, green infrastructure, and natural shading elements in urban planning to reduce heat retention.
5. **Public Transportation and Active Transportation:** Promote the use of public transportation, walking, and cycling to reduce vehicular emissions and the associated