

Based on the land cover percentages provided for Cluj-Napoca, the high percentage of urban and built-up areas (27.99%) contributes significantly to the urban heat island effect. Here are some potential solutions for reducing the temperature and mitigating the urban heat island effect in the city:

1. **Increase Green Spaces:** Encourage the creation of more green spaces within the urban areas. This could include planting more trees, creating urban parks, and incorporating green roofs and walls in building designs. Green spaces help to absorb heat, provide shade, and reduce the overall temperature in urban areas.
2. **Implement Cool Roofs:** Encourage the use of cool roofs, which are designed to reflect more sunlight and absorb less heat than traditional roofs. This can help reduce the heat absorbed by buildings and lower the overall temperature in urban areas.
3. **Promote Sustainable Urban Planning:** Advocate for sustainable urban planning practices that prioritize reducing heat absorption in urban areas. This could involve zoning regulations that encourage the use of reflective materials, strategic placement of buildings to maximize shade, and the incorporation of water features to cool the environment.
4. **Enhance Public Transportation and Active Transportation:** Improve public transportation infrastructure to reduce the number of vehicles on the road, which contribute to heat and air pollution. Additionally, promote active