



# CITYTHON 2021

22 - 28 OCT



## Challenge 2

### NAME: Green Ring Road

#### Short description:

„Green Ring Road” is a road or a series of connected roads connecting a city, districts/neighbourhoods. The purpose of a Green Ring Road is to assist in reducing traffic by offering an alternate route and the way of travel around the city, an alternative route for pedestrians, cyclists and alternative means of movement.

Green Ring Road (network) will be used for walks and sports and commuting between the districts, should be connected to existing infrastructure and the approach to the city as an ecosystem.

#### Detailed description of the problem

*One of the biggest urban and environmental challenges facing Lublin is mobility. Creating sustainable transport solutions is one of the key challenges, but also a great opportunity for the low-carbon development of the city. Sustainable urban mobility requires a change in attitude - where transport using private cars gives way to different types of public transport, electric vehicles, pedestrians, cyclists and alternative means. The development of a sustainable transport network has a direct impact on the development and optimisation of cycle and pedestrian paths and routes for electric vehicles.*

*Aspiring to become a zero-emission city, Lublin is obliged to provide environmentally friendly transport, develop the accessibility of transport services taking into account the needs of the inhabitants with particular attention to seniors, people with disabilities, and parents with children. In addition, to improve communication and optimize routes, taking into account interchanges, which will contribute to increased fluidity of communication for residents.*

*Building a competitive and sustainable transport system that will contribute to the improvement of social health as well as a change in society's preferences towards public transport and alternatives to the car. An important aspect is taking into account in designing the needs of users of transportation arteries, including users of bicycle and pedestrian traffic, as well as modern forms of movement through personal transportation devices.*

#### 2. What do we expect as the outcome of the solution?

*To designate and designed a section of the city's "Green Ring Road" connected with the existing pedestrian and cycling infrastructure and consistent with the city's greenery.*



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*We want to provide an alternative route for pedestrians, cyclists and alternative means of movement. Often, paths leading through housing estates shorten the way and are more friendly.*

*The key element is to plan a network in line with the idea of green corridors and the approach to the city as an ecosystem.*

*Creating a Green Ring Road (network) marking out routes for a pedestrian and cycling route safe and green communication route leading to the city centre with access to recreational areas, connecting the districts. Green pedestrian and bicycle ring road (network), which will be used for walks and sports and commuting between the districts.*

### **3. What is the scope for changes to the current systems? (software, hardware, etc.)**

Teams are free to utilize any technologies of their choice

### **4. What data are participants allowed to use for the development of their solution?**

The Geoportal – tool provides access to resources and services related to spatial data.

<https://www.geoportal.gov.pl/> and <https://geoportal.lublin.eu/2d/>

Map of cycling infrastructure in Lublin: <http://ulublin.eu/ogolnomiejskie/21-rozmowy-o-miescie-zielona-siec-dla-lublina/>

### **5. Evaluation process of the final solution**

Teams will be evaluated based on a final presentation on the following outputs:

- 1) level of project readiness for implementation;
- 2) impact on the landscape and the environment;
- 3) accessibility.

