

## **Challenge for the Cities Cup**

### **CITY OF IDEAS: INTERACTIVE MAP OF RESIDENT SUGGESTIONS**

#### **Focus Area**

Solutions in the field of urban environment development and digital engagement with residents.

#### **Objective**

To create a modern digital tool that enables residents to participate in the development of the urban environment, submit suggestions, evaluate projects, and contribute to a shared vision of the city's future.

#### **Context and Relevance**

Many Russian cities have a growing demand for open dialogue between residents and local authorities. People want to influence urban development and propose improvements, but often lack convenient and accessible tools for doing so.

Residents observing issues on streets, in parks, or in courtyards could quickly report them or suggest improvements if there was an integrated platform that brought all ideas, opinions, and visual proposals on a single map.

A reference location for this task may be the city of Kiselyovsk (Kemerovo Region – Kuzbass), an industrial centre with a clear need for new public spaces and improvements to urban infrastructure.

Participants may also choose other cities where SUEK, SGC and EuroChem operate, such as: Barnaul, Biysk, Rubtsovsk (Altai Territory), Kotelnikovo (Volgograd Region), Leninsk-Kuznetsky, Polysaev, Prokopyevsk, Myski (Kemerovo Region), Borodino, Nazarovo, Sharypovo (Krasnoyarsk Territory), Kovdor (Murmansk Region), Kingisepp (Leningrad Region), Berezniki (Usolye, Perm Territory), Abakan, Chernogorsk (Republic of Khakassia), Reftinsky (Sverdlovsk Region), Chegdomyn (Khabarovsk Territory).

All of these cities are characterised by active development and the need for deeper resident engagement in urban planning processes.

#### **Problem Statement**

Residents lack modern, intuitive tools for submitting suggestions and providing feedback on urban environment issues.

Local administrations struggle to compile incoming requests, monitor initiatives, and analyse public needs. As a result, valuable information about residents' needs and potential areas for city improvement is lost.

#### **Assignment for Participants**

Design a digital platform or mobile application for collecting and visualising resident suggestions on the development of public spaces.

The solution must include:

- an **interactive city map** where residents can mark points or routes and leave comments;
- possibility of **uploading photos, sketches, 3D models or visual concepts**;
- filtering by categories (e.g., “sports”, “culture”, “children’s recreation”, “environment”, etc.);
- an **administrative dashboard** for analysing activity, statistics, and idea rankings;
- optionally — a **voting mechanism** for projects and feedback tools from the administration.

The system must be user-friendly, intuitive, adaptable for various devices, and scalable for use in other cities.

### Possible Development Directions

- A mobile application featuring an interactive map of ideas and suggestions.
- A civic initiative platform with visual analytics of resident activity.
- A web interface for local administrations with tools for analysis and reporting.
- Integration mechanisms with municipal portals or social media.

### Input Data (using the city of Kiselyovsk as an example)

- Population: 84,369 (as of 01.01.2025)
- Key industry: mining (SUEK-Kuzbass division)
- Approximate cost of pilot implementation: up to 2 million roubles
- Project budget: up to 4 million roubles

### Constraints

- Limited municipal funding
- Limited IT resources within the local administration
- Mandatory protection of user data
- The system must operate reliably under low-speed internet connections

### Expected Deliverables from Participants

1. A concept and structure of the digital solution
2. A prototype of the platform or application interface
3. An implementation plan and economic justification of the project
4. A projection of the social impact — increased resident engagement, improved communication, stronger trust in urban initiatives