

GeoData 4 JIRA

Visualization extensions

Our team

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Motivation



- **GeoData 4 JIRA**
- **Bratislava, New Town**
 - participatory budgeting (voting)
 - Easier communication between people and local government
 - Simplification of officers work (money and time saving)
- Over 800 created issues – **decent amount of data to process**
- Our motivation – **what we can do with collected data**

Our goals

- **Visualization (heat-map)** based on custom defined metrics
- **Map with pre-defined datasets** (trash bins, lamps, ...) and interaction with data
- **Android application** allowing users to create issues on the map

Custom heat-map

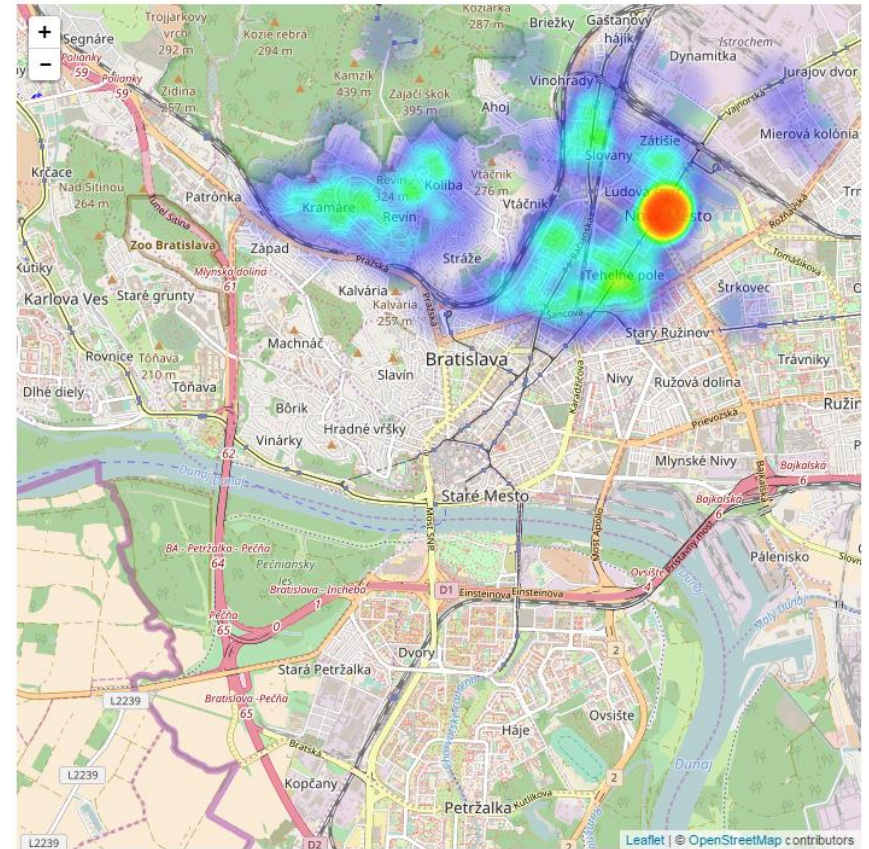
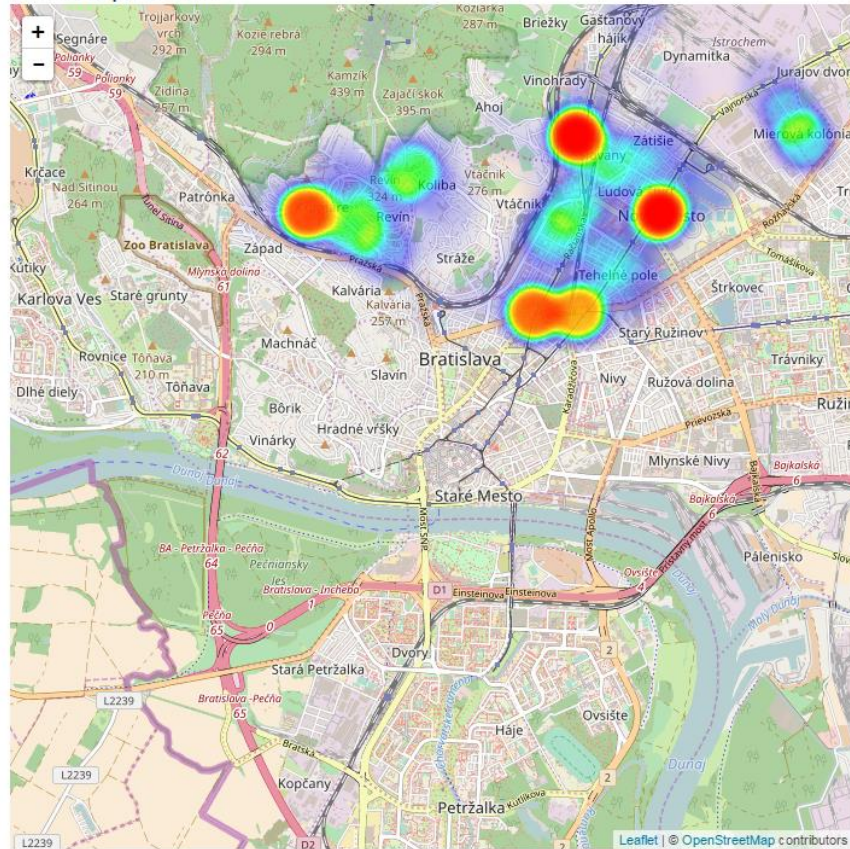
- Heat layer in map is **based on custom metrics**
 - Spent money
 - Votes
 - Required time
- Customized heat-map integrated with JIRA

Real collected data: heat-map based on votes

Administration 🔍 Search JIRA admin

Projects Issues User management System Add-ons

HeatMap Action

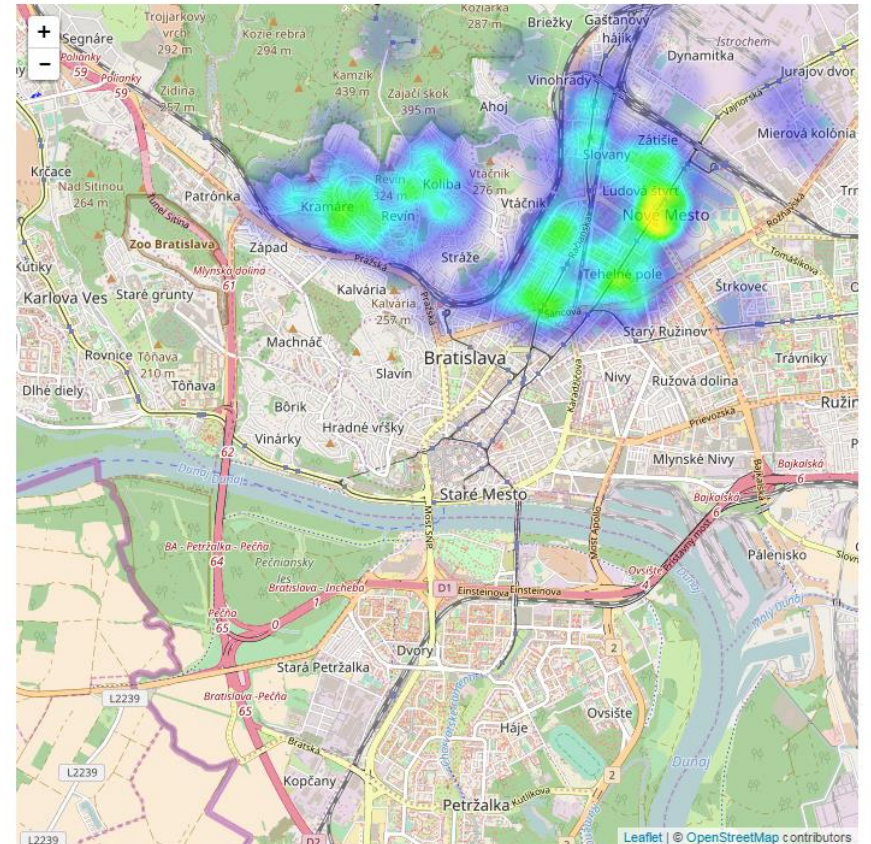
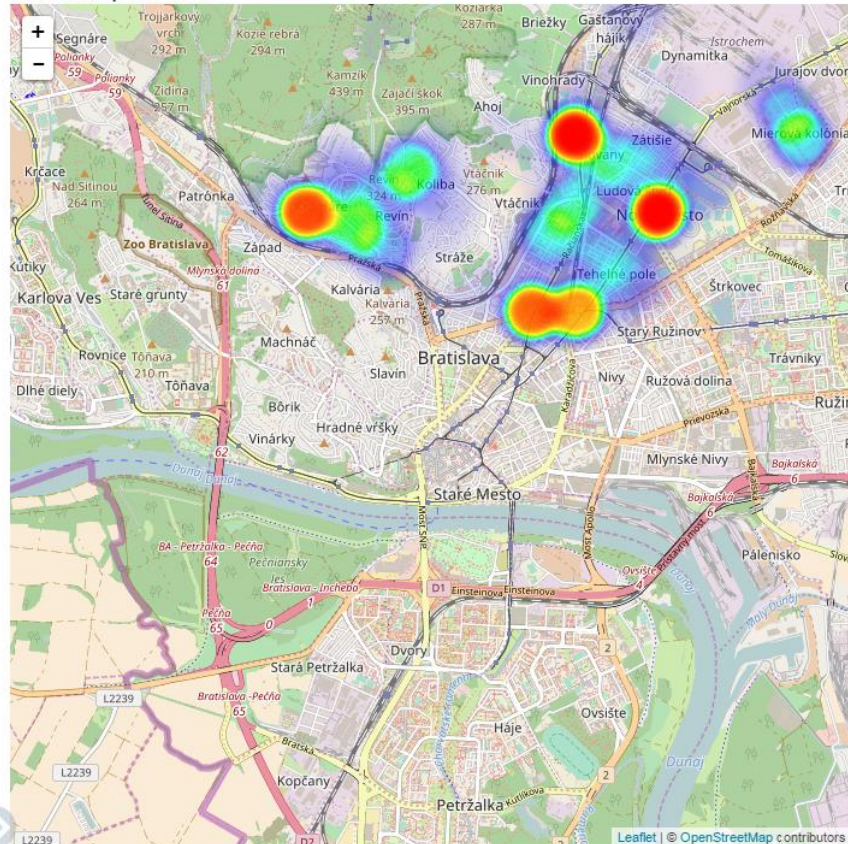


Real collected data: heat-map based on fix-time

Administration 🔍 Search JIRA admin

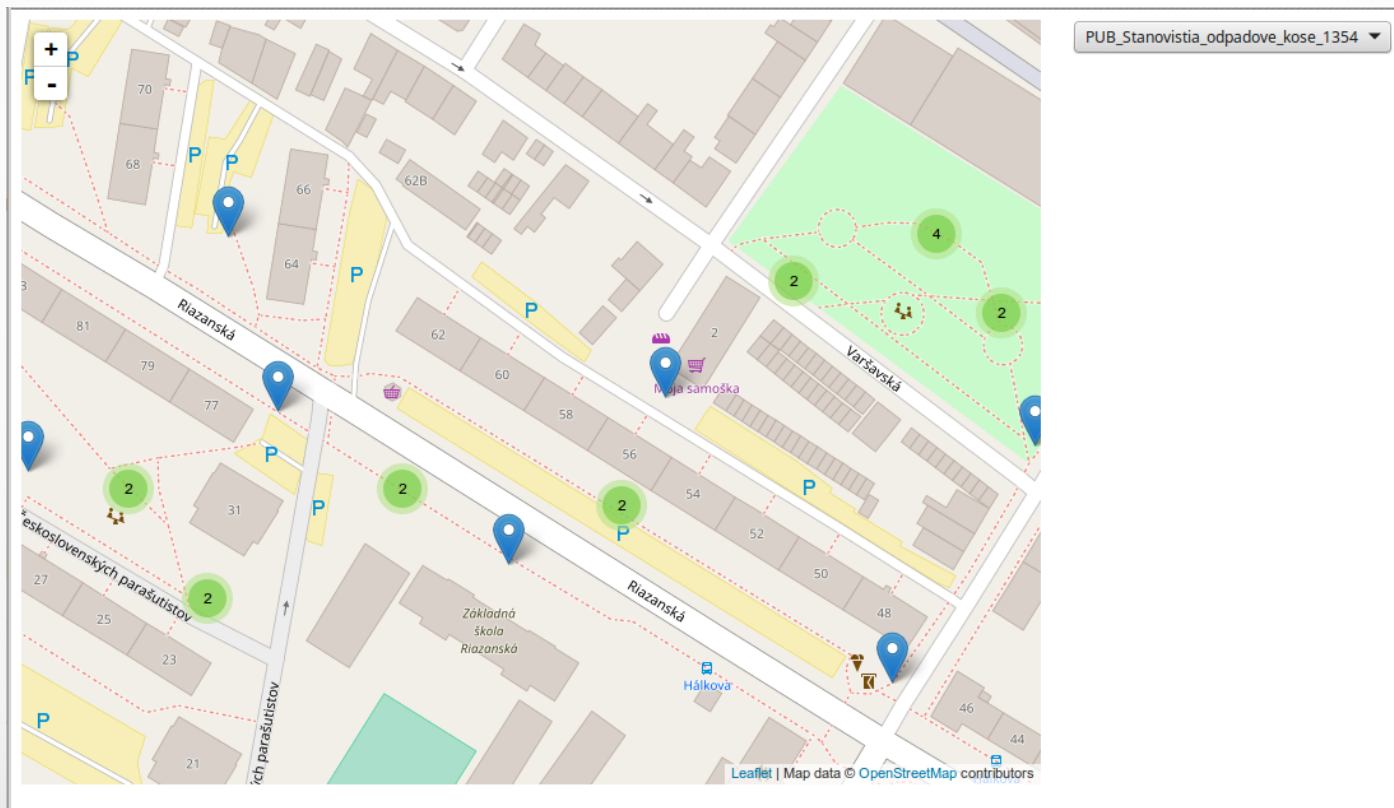
Projects Issues User management System Add-ons

HeatMap Action

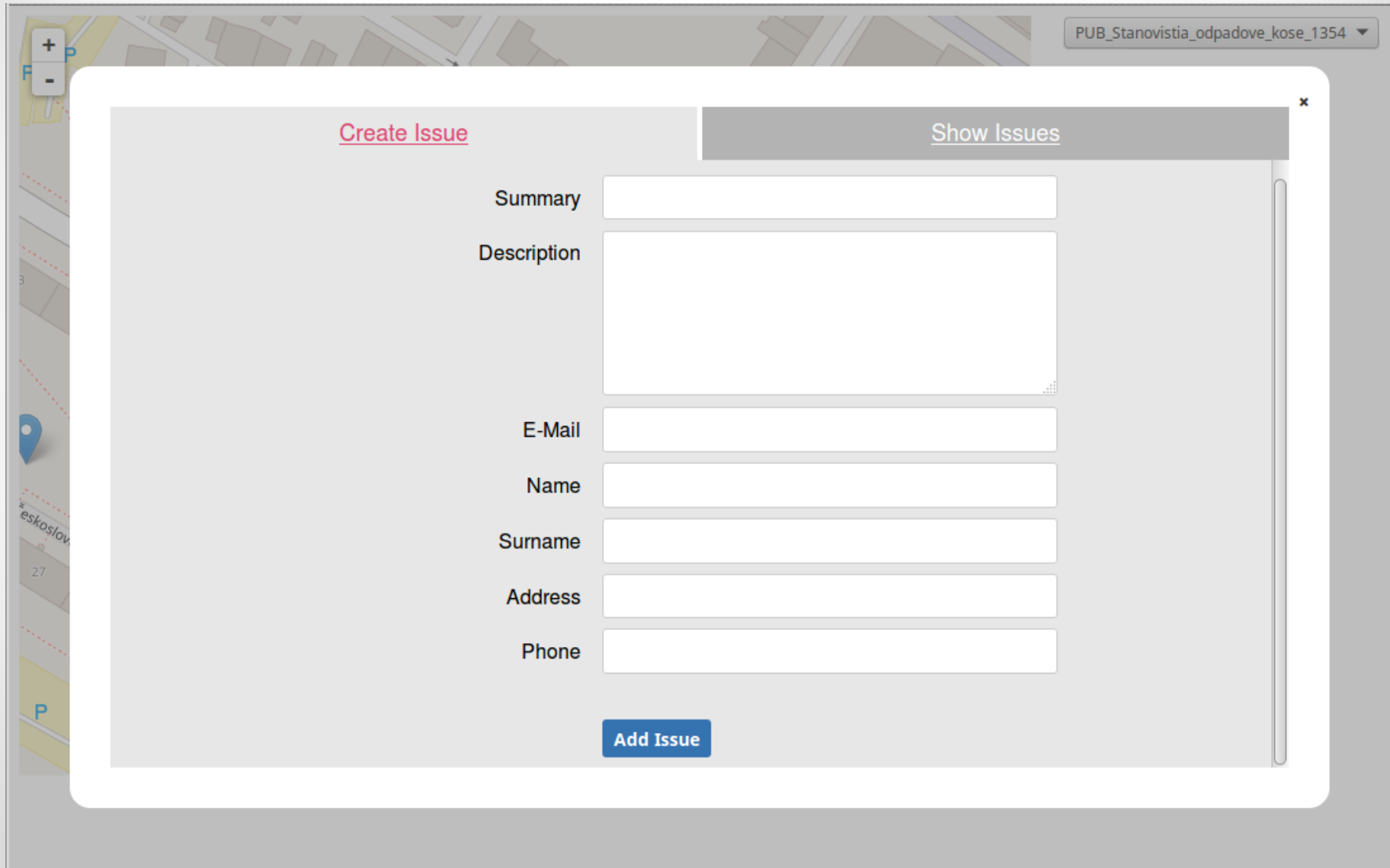


Map with pre-defined datasets

- Enable users to create issues upon existing objects
 - Public lights, trash bins, ...
- Tracking issues related to dataset entry



Map with pre-defined datasets

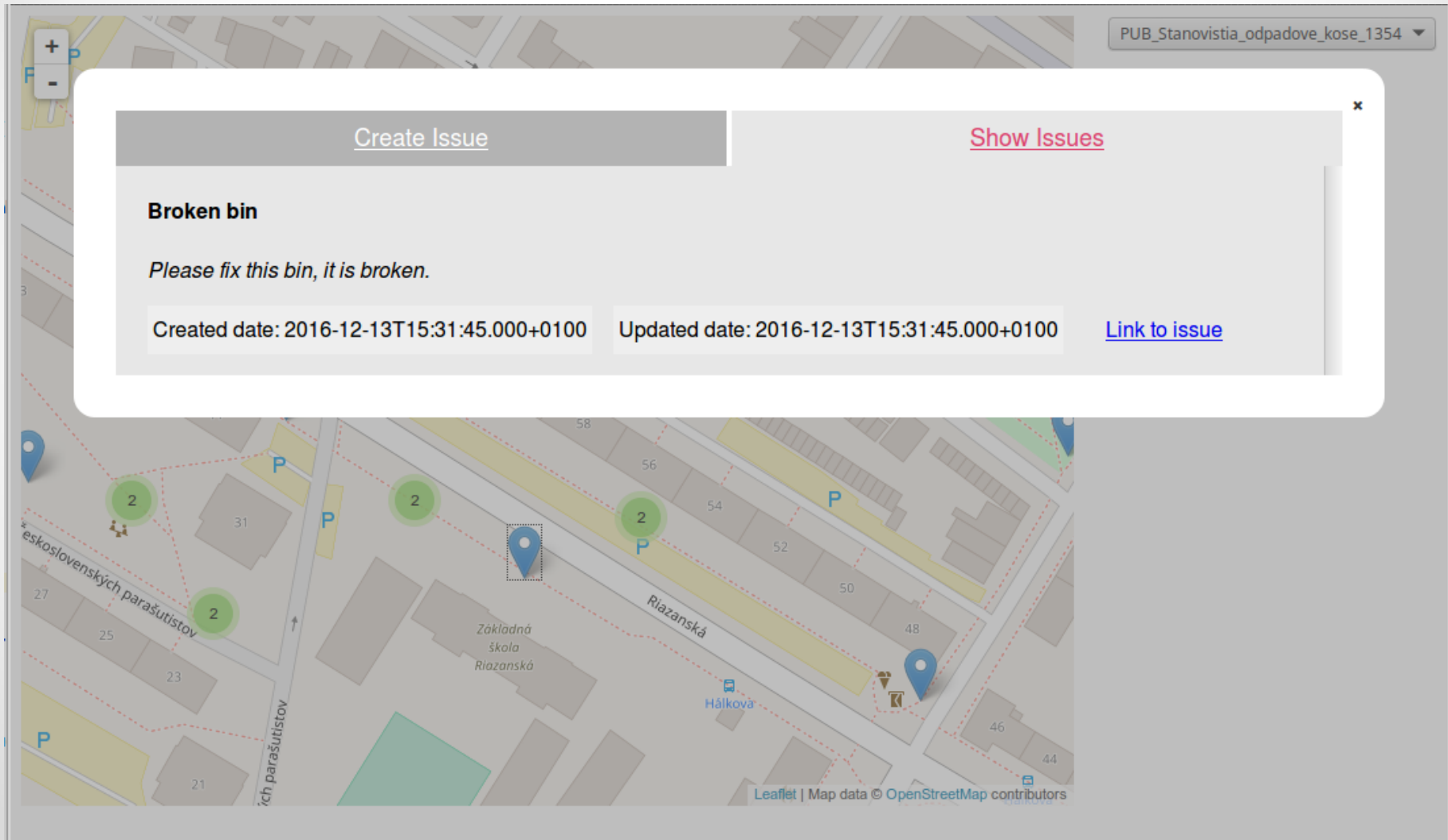


The image shows a web application interface for creating and viewing issues on a map. A map is visible in the background, showing a street layout with a blue location pin and a 'P' parking symbol. A dropdown menu in the top right corner of the map area displays 'PUB_Stanovistia_odpadove_kose_1354'. Overlaid on the map is a white modal window with a title bar containing a close button (X). The modal has two tabs: 'Create Issue' (active) and 'Show Issues'. The 'Create Issue' tab contains a form with the following fields:

- Summary:
- Description:
- E-Mail:
- Name:
- Surname:
- Address:
- Phone:

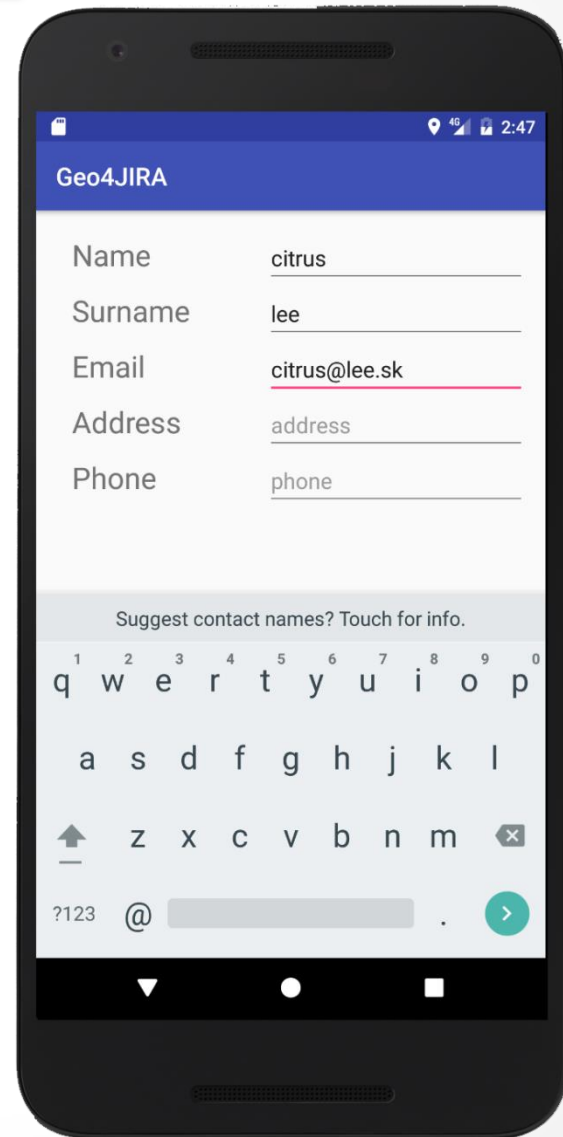
At the bottom of the form is a blue button labeled 'Add Issue'.

Map with pre-defined datasets



Android application

- Provide interface to create issues with given location
- Store user information to simplify issue creations



Plans for future

- Heat-map based on timeline
 - JIRA provides search with custom parameters
- Extension of Android application
 - Visualization of collected data
 - Usage of pre-defined datasets
- Enable simple attachments submitting

Thank you

Feel free to ask any questions 😊