

Regional Game Mobiele Stad plugin – User Guide

Introduction

The QGIS plugin Regional Game Mobiele Stad allows players to negotiate and make decisions on spatial plan investments for: 1) housing plans, and 2) infrastructure investments. Players can select or zoom in on a desired location, select one polygon representing either a project or an investment, and view attributes interactively. The plugin features a form docked on the right hand side of the screen, which allows display and modification of attribute values for either a housing plan or an infrastructure investment. With this form, players interactively change a selection of attributes for a selected polygon. Once the changes are save, the plugin will recalculate indicators based on the new values of the attribute table involved. Upon closing, the plugin will bring QGIS to its default configuration.


Installation

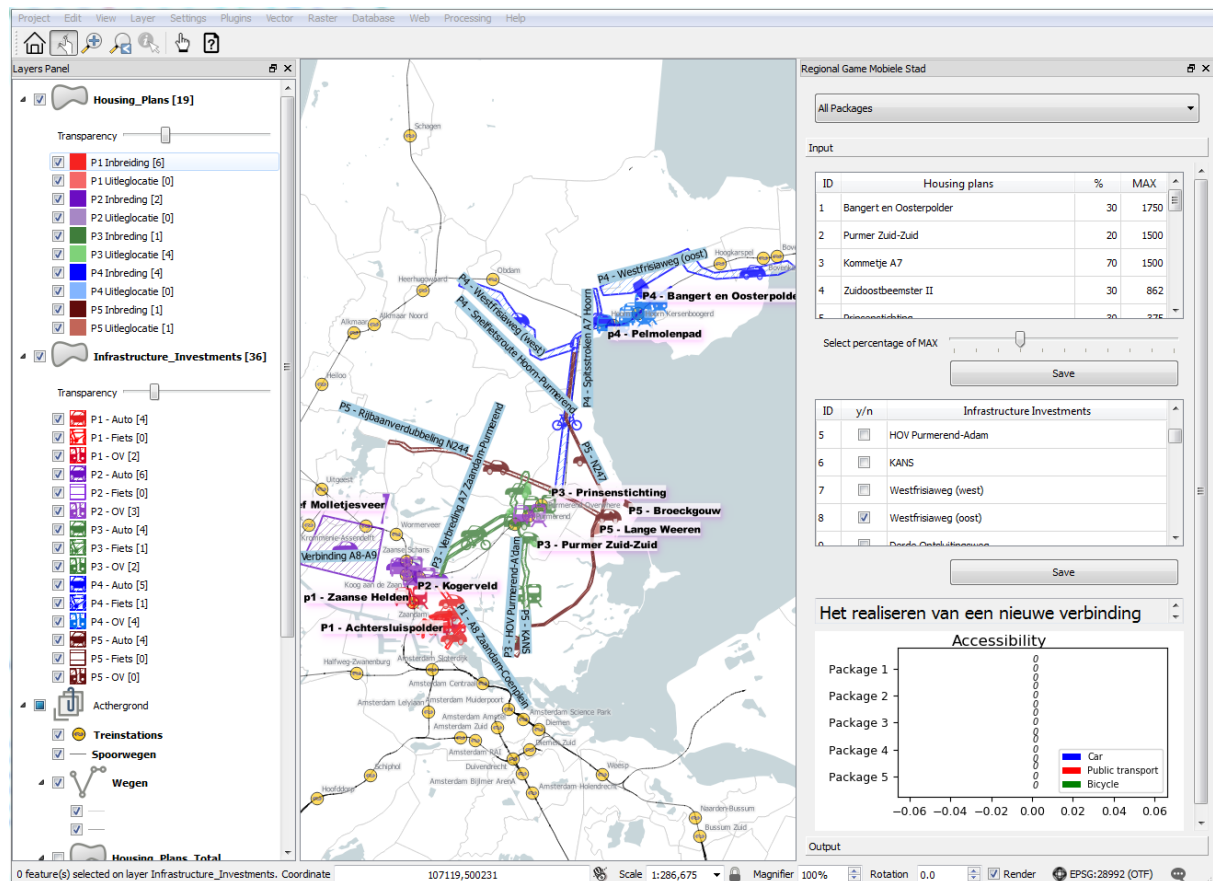
The plugin is not available from the official QGIS plugins repository and must be downloaded from this site: <https://github.com/raphaelsulzer/PlanningTool/releases>

After downloading it, you must install the plugin in the QGIS plugins folder, located under your user profile in: `.qgis2/python/plugins`. Simply unzip the PlanningTool.zip file and move the folder into this folder. Then start QGIS and load the plugin 'Regional Game Mobiele Stad' from the 'Plugins Manager' window.

The plugin does not require any additional configuration. An activated Microsoft Excel installation on the computer is necessary for the plugin to work. Formulas for calculating indicators are in spreadsheet '**20180904 Regional game IMS 2.5.xlsx**', located inside the `PlanningTool/data/excel` folder.







User interaction


	To start the plugin simply click the toolbar button or 'Planning Tool' entry in the 'Plugins' menu. When the plugin starts, it automatically loads the data system and the user interface provided to interact and explore the data. You should now see the screen below.
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The plugin shows four main components: toolbar (top left), layers panel (left), map interface (centre), input and output window (right).

Toolbar

	Zoom to “All Packages” extent.
	Activate map tool for panning (one finger) and zooming (two fingers).
	Draw a rectangle and zoom to it’s extent.
	Zoom to last extent.
	Activate ‘Identify Features’ map tool. This tool can only be activated if a layer is selected on the layers panel.
	Activate ‘Selection’ map tool. When this map tool is activated a single-click on a project inside the map interface will select the project and highlight the

	corresponding project row in the housing plans or infrastructure investments table. A double-click on the map interface clears all selections.
	Open this documentation.

Map interface and layers panel

Interaction with the map interface is only possible if one of the mapping tools is activated. Interaction with the layers panel is only necessary for the use of the 'Identify Features' map tool.

Input and output window

X	To close the plugin and go back to the QGIS default configuration click on the X on the top right corner.
Package selection	Select a package. The map interface automatically zooms on the package extent and the input tables show only projects from the selected package.
Input tab	This is the tab where the user can interact with different projects, update and save project information.
Table 'Housing plans'	Shows housing plans (per package). A housing plan can be selected by clicking on the corresponding row. The map interface automatically zooms to the corresponding project and the housing percentage of this project can be changed with the housing percentage slider.
Percentage slider 'housing'	Change the percentage of housing. The percentage is shown in the housing plans table.
Save housing plans	Housing plan data gets saved to the spreadsheet '20180904 Regional game IMS 2.5.xlsx' .
Table 'Infrastructure investments'	Shows infrastructure investments (per package). An infrastructure investment can be selected by clicking on the corresponding row. The map interface automatically zooms to the corresponding project. Infrastructure investments can be (de-)activated by clicking on the check box of a package.
Save infrastructure investments	Infrastructure investments data gets saved to the spreadsheet '20180904 Regional game IMS 2.5.xlsx' .
Description	Description of the selected infrastructure investment.

Accessibility indicator	Visualisation of the accessibility indicator. The visualisation gets updated every time changes to housing plans or infrastructure investments are saved.
Output tab	Open visualisation of the indicators. The visualisation gets updated every time changes to housing plans or infrastructure investments are saved.