In order to publish public transport schedules on Google Maps, timetables need to be prepared in an appropriate structure, the GTFS format. Publishing transit information enables users to plan their trips using the Google Maps website or smartphone app.

**PLANNING APPROACHES**

| Intended user group: | GTFS tools: Public transport operators, Municipalities  
Google Maps: General public, (Potential) public transport users |
|---------------------|----------------------------------------------------------|
| Tool benefits:      | GTFS tools: Enable easy production of GTFS timetables  
Google Maps: Improve trip planning with public transport |
| Main functions:     | GTFS tools: Production of GTFS timetables  
Google Maps: Trip planning using different modes of public transport |
| Tool format:        | GTFS tools: Excel spreadsheet and GIS software for timetable creation  
Google Maps: Online tool with mobile app (Android and iOS) |

**TOOL FUNCTIONS**

<table>
<thead>
<tr>
<th>Analyzed transport modes:</th>
<th>Public transport</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of output:</td>
<td>Comparison of alternatives, Map-based results, Trip plans</td>
</tr>
<tr>
<td>Output format:</td>
<td>Written explanations, Maps</td>
</tr>
<tr>
<td>Spatial unit of detail:</td>
<td>Municipality, Specific trip, Specific location</td>
</tr>
<tr>
<td>Applicable coverage area:</td>
<td>Country, Metropolitan area, City, City borough, Neighborhood, Specific address</td>
</tr>
</tbody>
</table>

**TOOL UTILIZATION**

<table>
<thead>
<tr>
<th>Required skills:</th>
<th>Manipulating and generating GTFS files: Special skills in GIS and database management required, Google Maps: Easy to use</th>
</tr>
</thead>
</table>
| Required hardware, software and operating system: | GTFS tools: Excel and GIS software for generating GTFS timetables  
Google Maps: Internet browser or app |
| Required input data: | Public transport timetables in any format to generate GTFS timetables |
**EVALUATION OF THE TOOL WITH THE FINAL USER**

**Google Maps – GTFS Timetables**

Simon Koblar (Urban Planning Institute of the Republic of Slovenia)

**USER-FRIENDLINESS**

- The tool is easy to use
- My organization has the required skills to use the tool
- The tool strikes a good balance between scientific rigour and practical usability
- It is easy to understand the input data, assumptions and calculations behind the tool
- I do not feel I need to understand the input data, assumptions and calculations behind the tool to use it effectively
- The tool outputs are understandable and easy to interpret
- The tool performs at a sufficient speed for real time adaptations

**USEFULNESS**

- The tool outputs are valuable in supporting interaction and discussion amongst stakeholders
- The tool outputs are valuable in developing strategies
- The tool outputs can be communicated effectively to non-expert decision makers
- The level of detail (spatial extent) of the tool corresponds to the problem under discussion
- I have confidence in the soundness and quality of the tool outputs
- My expectations of the tool before the workshop were met
- I would like to have access to the tool for future use