NEW: Brouter uses „Pseudo-tags"

What are pseudo-tags / Why pseudo-tags?

Pseudo-Tags calculation for Brouter

How to use / select pseudo-tags?

Usage examples

„Pseudo-tags"

-To calculate a route, Brouter used in the previous version mainly attributes of the ways as stored in the OSM map.

More attributes/information were requested by bikers in order to support new routing options:

-To favor a routing without noise

-To favor a routing along rivers or lakes

-To favor a routing in forests or park...

-To bypass cities

-To consider the car-traffic

Based on the information's (& the geometry of the objects) in the OSM map, "Pseudo-Tags" could be calculated (=evaluated) for this purpose:

As example, the noise on a cycleway depends on his distance to a motorway / primary / secondary or tertiary road!

The pseudo-tags can now be used as option in the Brouter for routing!

For each pseudo-tag a "class" with a value of 1 to 6 is defined on each OSM-way (null ➔ no value)

To get an idea of the class-values, a local visualization is possible using this link:

http://brouter.de/brouter-web/PseudoTags.html

(enter the name of a town to see the tags round the place)

Calculation of the new parameters (basic approach)

Surface
33 meters arround
The cycleway

Surface
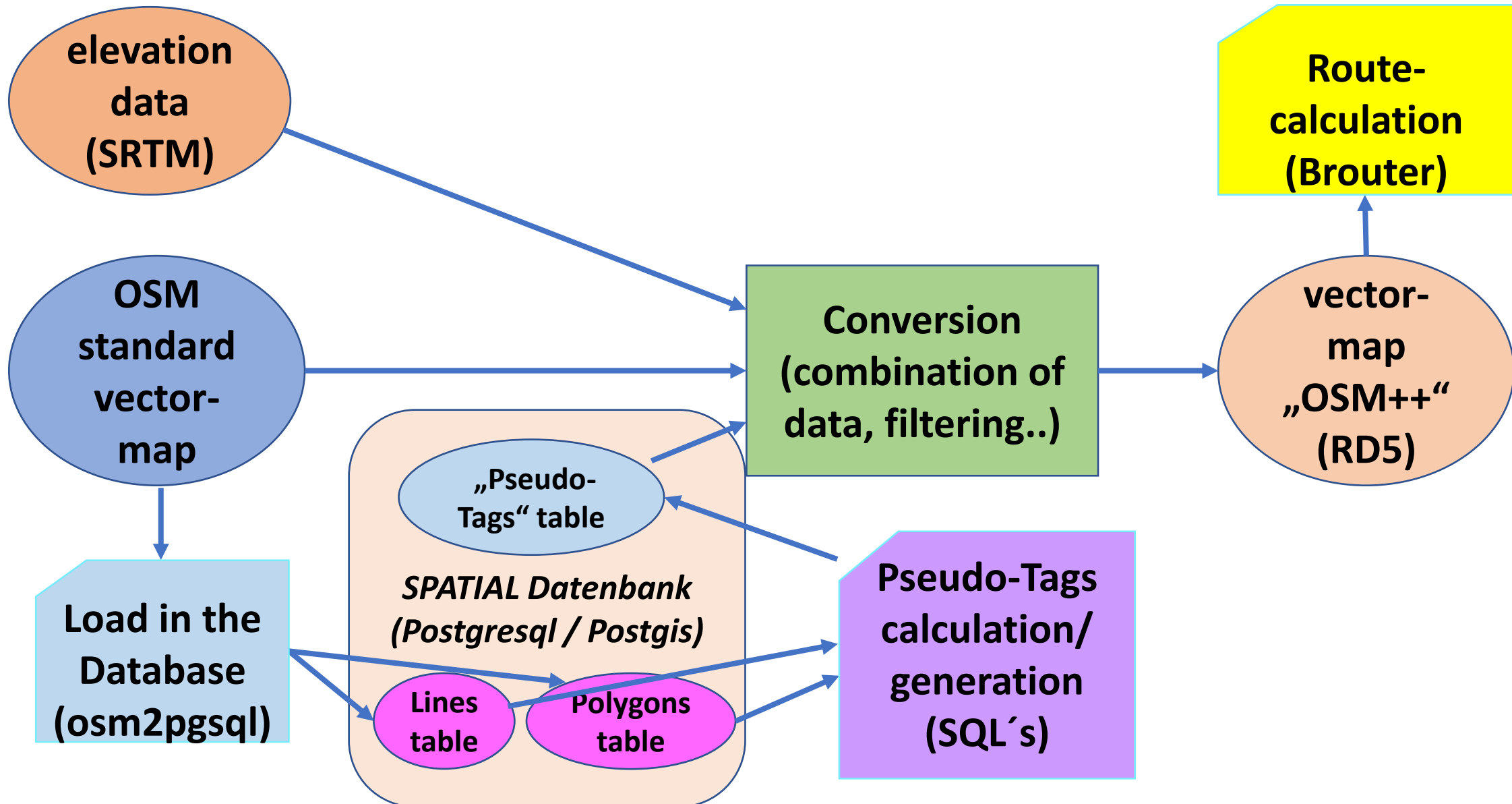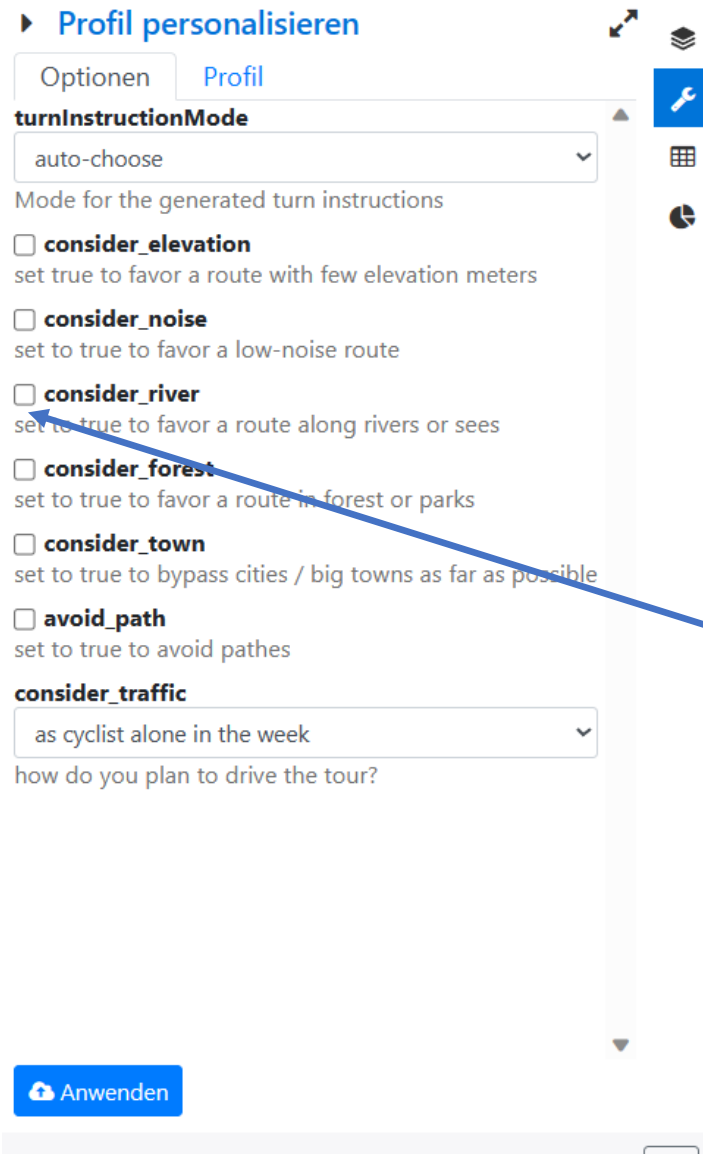**33 meters around
the motorway**

cycleway

motorway

Overlapping areas

The "overlapping" areas divided by the total area from the "widespread" bike path (blue) provides an "aggregated" indicator (between 0 and 1) about the "proximity" to the highway and thus a "noise factor"!
(if a "maxspeed" is defined on the motorway at the location, it is used to "adjust" the noise level)

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Pseudo-tags calculation for Brouter

Usage of Pseudo-tags in Brouter-web

Profil personalisieren

Optionen | Profil

turnInstructionMode

auto-choose

Mode for the generated turn instructions

☐ **consider_elevation**

set true to favor a route with few elevation meters

☐ **consider_noise**

set to true to favor a low-noise route

☐ **consider_river**

set to true to favor a route along rivers or sees

☐ **consider_forest**

set to true to favor a route in forest or parks

☐ **consider_town**

set to true to bypass cities / big towns as far as possible

☐ **avoid_path**

set to true to avoid pathes

consider_traffic

as cyclist alone in the week

how do you plan to drive the tour?

Anwenden

After you have selected your profile type (racebike, trekking, etc..) in the top left field, you can select one or more „option":

1-Open the tool box (top right)
2-Select your preferred Option(s)
➜example „consider_river"
3-Activate the options („Apply" at the bottom)

Examples of use

(To evaluate the impact of Pseudo-Tags)

Noise

http://brouter.de/essbee/#map=12/49.8050/9.1581/standard&lonlats=9.104924,49.837996;9.171528,49.744679&profile=trekking_SB

River + elevation (Leine-Heide)

http://brouter.de/essbee/#map=9/51.9400/10.1842/osm-mapnik-german_style&lonlats=9.920139,51.529144;9.717402,52.373399&profile=trekking_SB

River (Hesse)

http://brouter.de/essbee/#map=10/49.9393/8.9833/osm-mapnik-german_style&lonlats=8.699145,50.054948;9.070573,49.918035&profile=trekking_SB

River (France)

http://brouter.de/essbee/#map=12/48.2454/4.2864/osm-mapnik-german_style&lonlats=5.166143,48.773103;4.149733,48.235168

Forest (Palatinat)

http://brouter.de/essbee/#map=10/49.3224/8.5268/standard&lonlats=8.350938,49.540307;8.124374,49.107132&profile=trekking_SB

Town (Hesse)

http://brouter.de/essbee/#map=10/50.1196/8.9449/osm-mapnik-german_style&lonlats=8.688531,50.30097;8.6192,49.449642&profile=trekking_SB