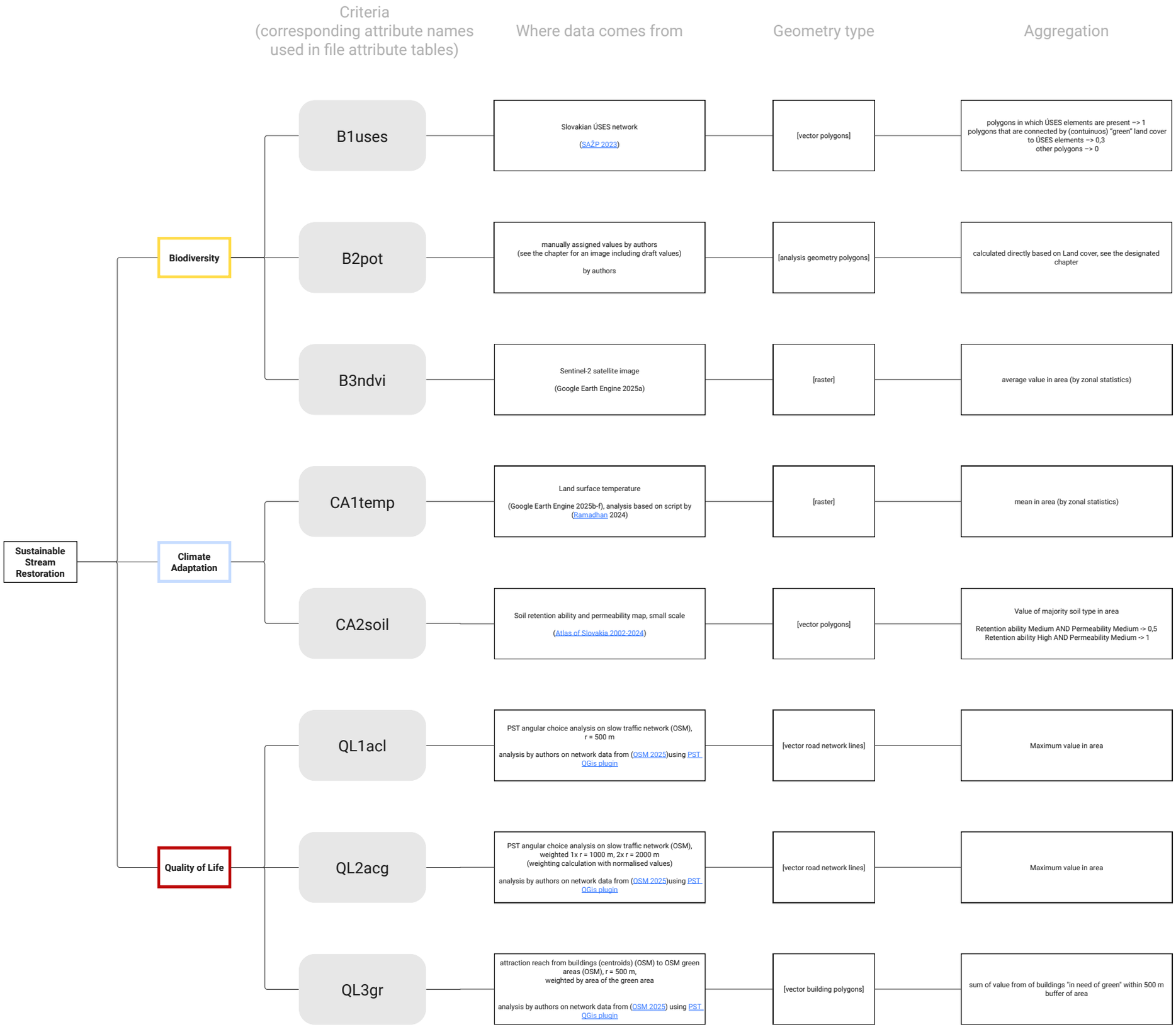
Criteria
(corresponding attribute names
used in file attribute tables)
Where data comes from
Geometry type
Aggregation
Sustainable
Stream
Restoration
Biodiversity
Climate
Adaptation
Quality of Life
B1uses
Slovakian ÚSES network
(SAŽP 2023)
[vector polygons]
polygons in which ÚSES elements are present –> 1
polygons that are connected by (contuinuos) "green" land cover
to ÚSES elements –> 0,3
other polygons –> 0
B2pot
manually assigned values by authors
(see the chapter for an image including draft values)
by authors
[analysis geometry polygons]
calculated directly based on Land cover, see the designated
chapter
B3ndvi
Sentinel-2 satellite image
(Google Earth Engine 2025a)
[raster]
average value in area (by zonal statistics)
CA1temp
Land surface temperature
(Google Earth Engine 2025b-f), analysis based on script by
(Ramadhan 2024)
[raster]
mean in area (by zonal statistics)
CA2soil
Soil retention ability and permeability map, small scale
(Atlas of Slovakia 2002-2024)
[vector polygons]
Value of majority soil type in area
Retention ability Medium AND Permeability Medium -> 0,5
Retention ability High AND Permeability Medium -> 1
QL1acl
PST angular choice analysis on slow traffic network (OSM),
r = 500 m
analysis by authors on network data from (OSM 2025)using PST
QGis plugin
[vector road network lines]
Maximum value in area
QL2acg
PST angular choice analysis on slow traffic network (OSM),
weighted 1x r = 1000 m, 2x r = 2000 m
(weighting calculation with normalised values)
analysis by authors on network data from (OSM 2025)using PST
QGis plugin
[vector road network lines]
Maximum value in area
QL3gr
attraction reach from buildings (centroids) (OSM) to OSM green
areas (OSM), r = 500 m,
weighted by area of the green area
analysis by authors on network data from (OSM 2025) using PST
QGis plugin
[vector building polygons]
sum of value from of buildings "in need of green" within 500 m
buffer of area