SSANTO - Results Report

Carbon Emissions NBS

Carbon Emissions NBS

30% with new emission raster

I - Objective hierarchy

Main objective **Type: Need**

1-1 Minimize slope **Weight: 0.01**

Attribute

Data ID	1-1_1234_Slope_vs_aec
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Default value	0.0

1-3 Maximize Building Age **Weight: 0.06**

Attribute

Data ID	1-3_all_Building_Age_vs_472
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

1-6 Minimize distance to streams **Weight: 0.03**

Attribute

Data ID	1-6_all_Dist_Streams_vs_5e1
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

1-9 Prioritize important path flows **Weight: 0.02**

Attribute

Data ID	1-9_all_Flow_Accumulation_vs_295
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

2-1 Prioritize areas with high env awareness **Weight: 0.04**

Attribute

Data ID	2-1_all_Green_Votes_vs_fd3
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

3-1 Minimize distance to drainage **Weight: 0.02**

Attribute

Data ID	3-1_all_Drainage_Distance_vs_bfb
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

3-2 Minimize distance to streets **Weight: 0.02**

Attribute

Data ID	3-2_1234_Dist_Streets_vs_55d
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

3-3 Maximize distance to heritage sites **Weight: 0.02**

Attribute

Data ID	3-3_all_Dist_Heritage_vs_983
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

4-1 Minimize distance to locations with irrigation demand **Weight: 0.03**

Attribute

Data ID	4-1_all_Irrigation_Demand_vs_1b5
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

5-1 Prioritize areas with high imperviousness **Weight: 0.08**

Attribute

Data ID	5-1_all_Imperviousness_vs_8e2
Used column	First Layer

Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

5-2 Prioritize areas with high heat vulnerability **Weight: 0.13**

Attribute

Data ID	5-2_all_Heat_vulnearability_vs_206
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

6-1 Prioritize areas with high visibility **Weight: 0.07**

Attribute

Data ID	6-1_all_Visibility_vs_9be
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

6-2 Minimize distance to recreational areas **Weight: 0.01**

Attribute

Data ID	6-2_all_Recreational_vs_c8e
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

7-1 Prioritize areas with low biodiversity **Weight: 0.09**

Attribute

Data ID	7-1_all_NDVI_vs_f18
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	x
Default value	0.0

7-2 Prioritize areas with low functional connectivity **Weight: 0.07**

Attribute

Data ID	7-2_all_Func_Connectivity_vs_2f0
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes

Scale	x
Default value	0.0

8-1 Maximize residential emissions **Weight: 0.3**

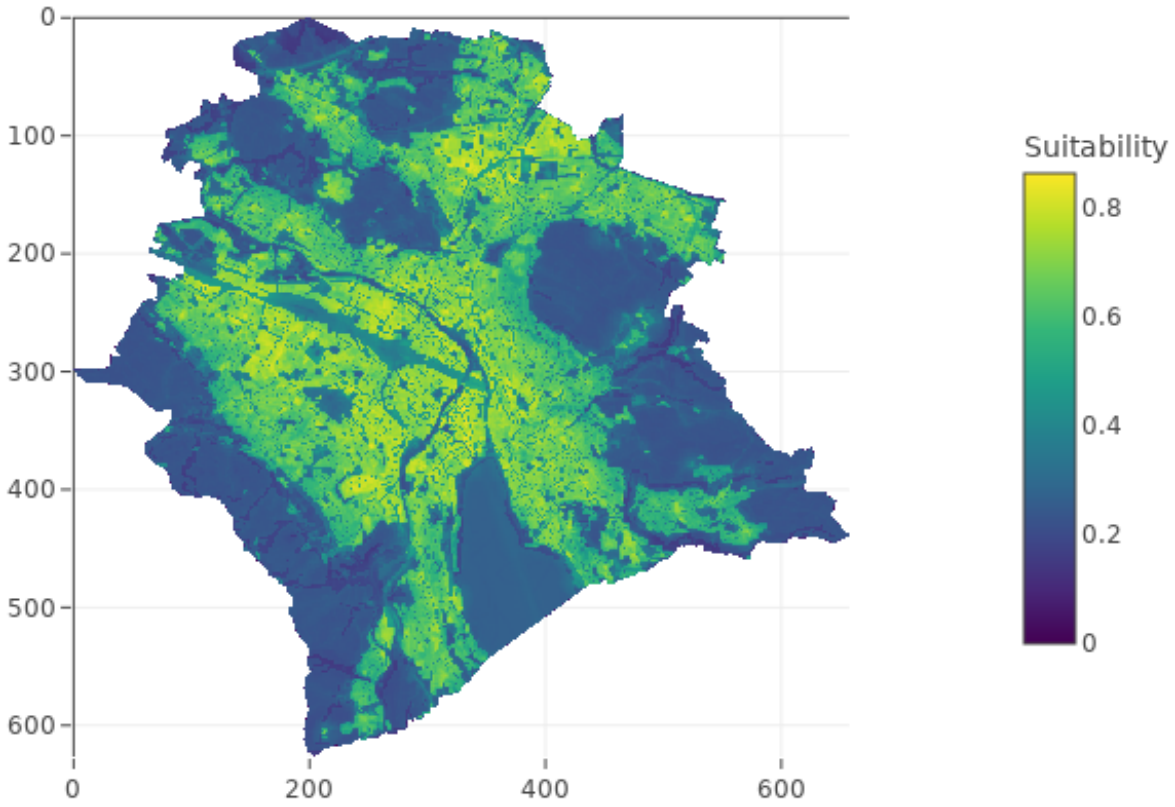
Attribute

Data ID	res_ind_high_res_e2d
Used column	First Layer
Data Type	Continuous
Attribute Type	Data
Used default value	Yes
Scale	6.62*x-80.1
Default value	0.0

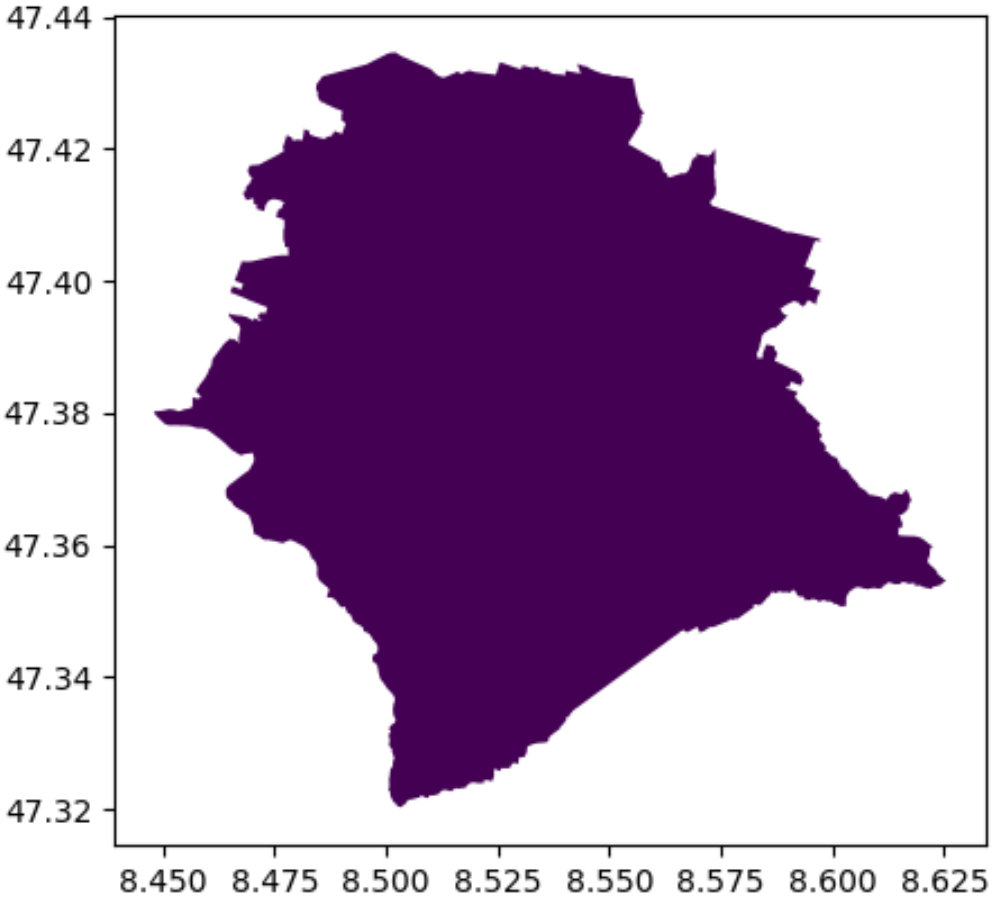
II - Results

1. Suitability maps specific to each objective

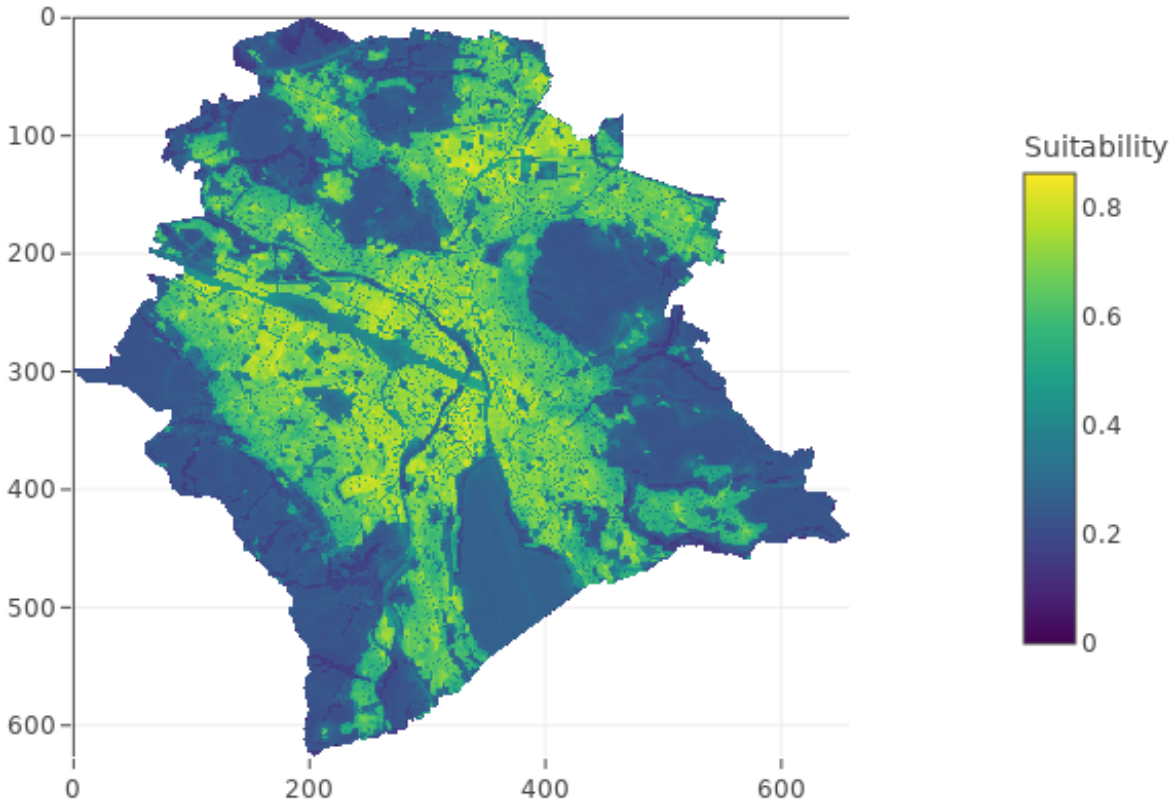
Main objective



2. Study Area



3. Need suitability map



II - Statistics

Max suitability	Min suitability	Average suitability
0.8625484429682158	0.0	0.4347317412717861