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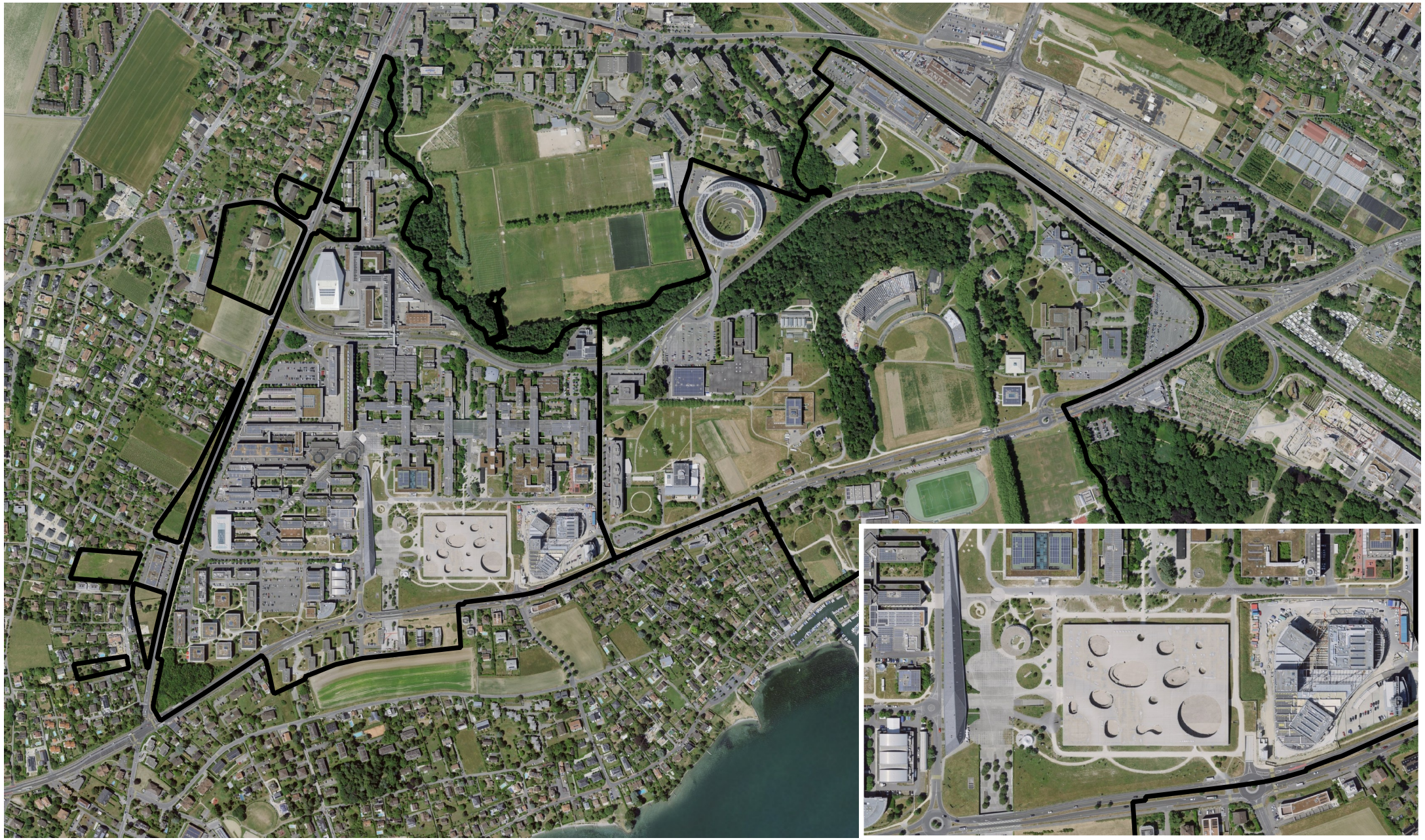
1. Spatial heterogeneity



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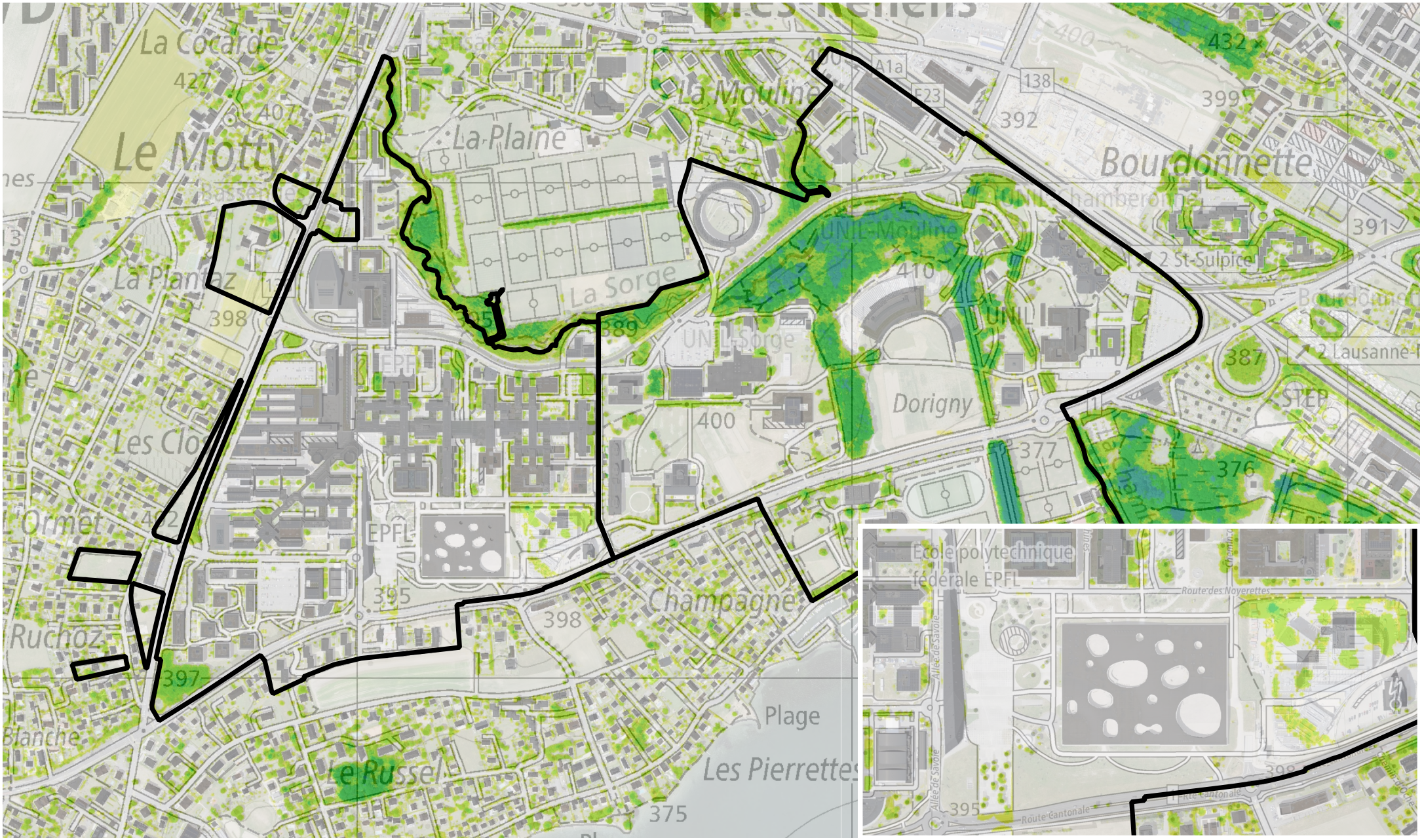
2. Canopy height



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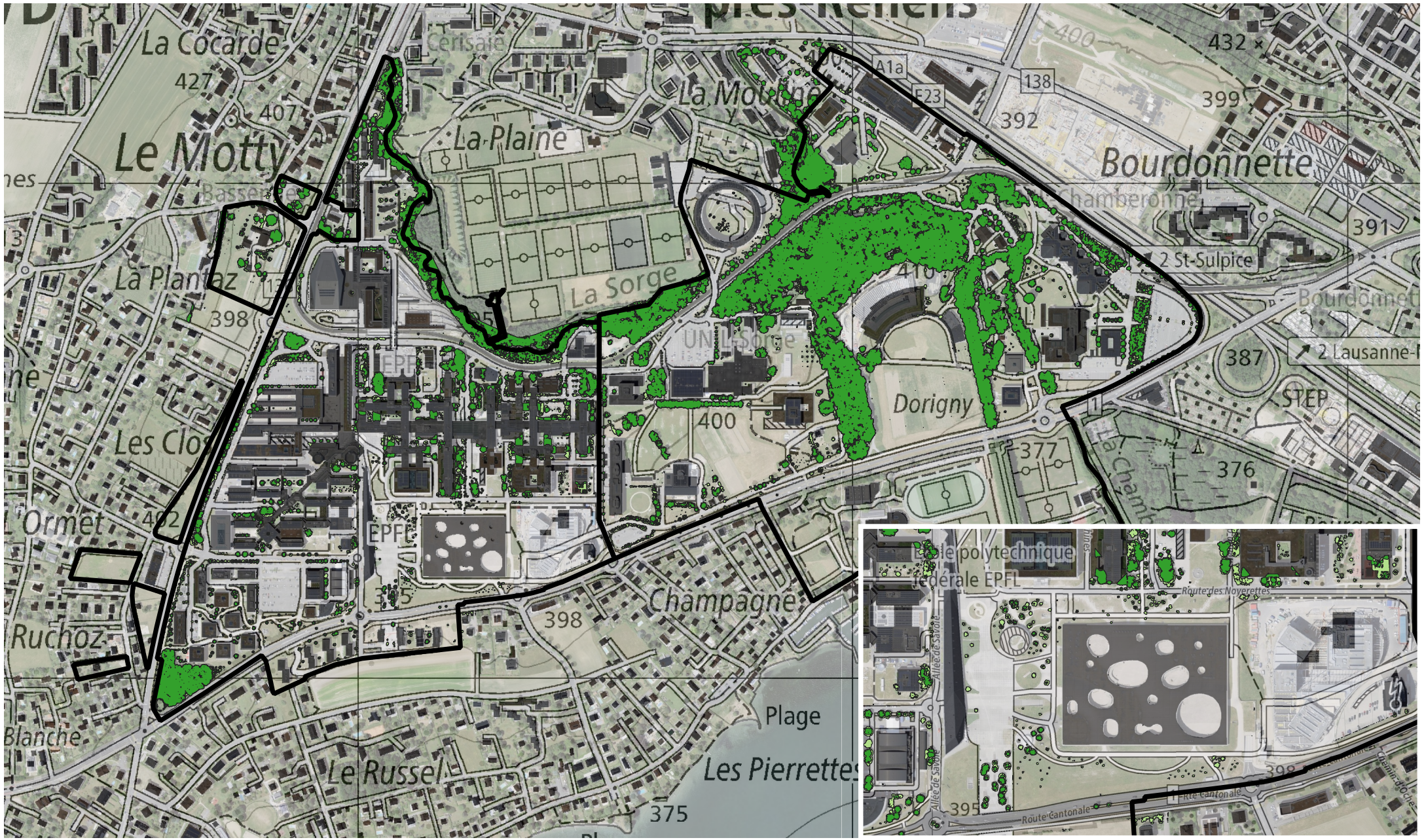
3. Canopy height (classified)



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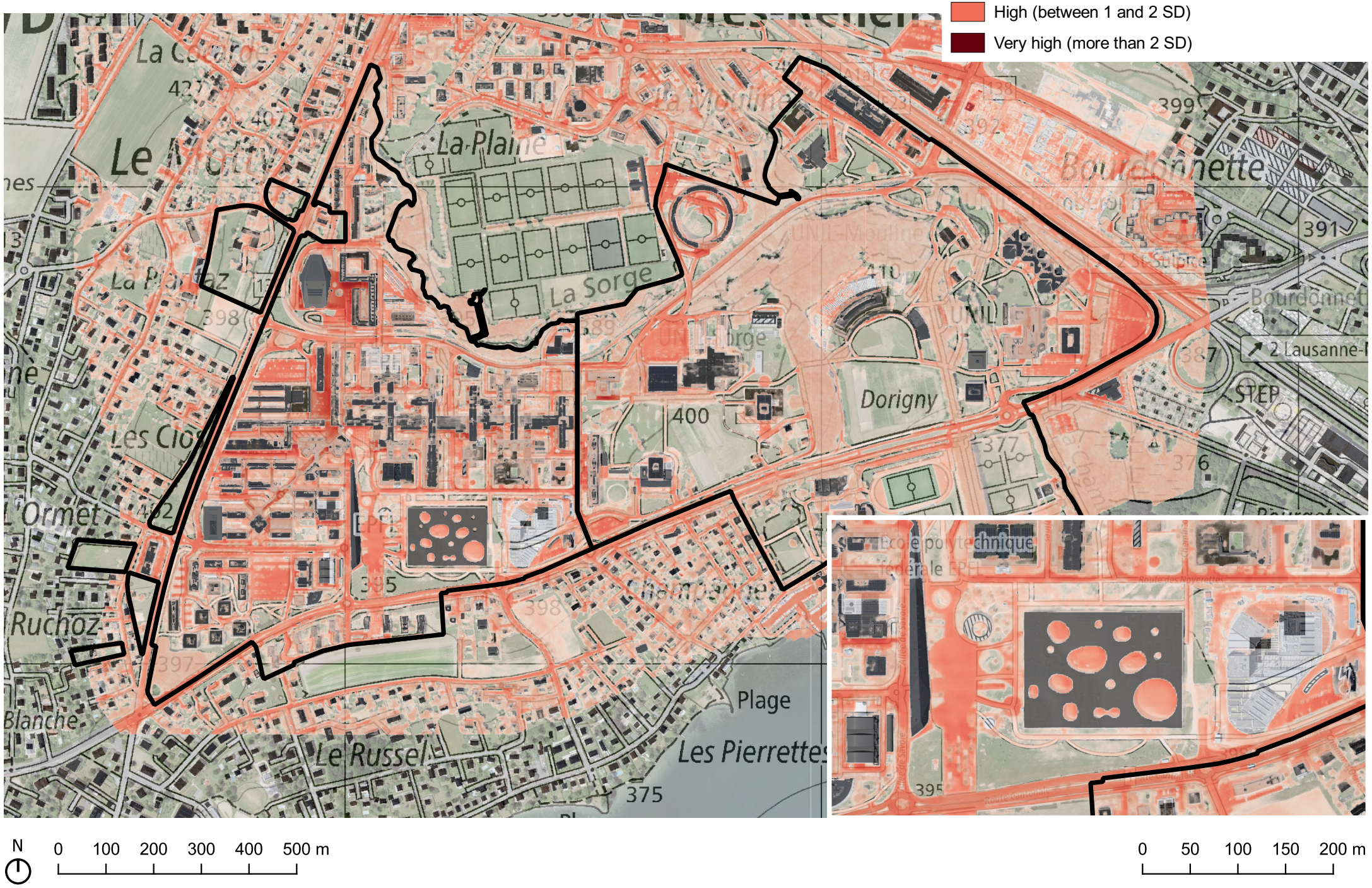
4.Surface temperature at night



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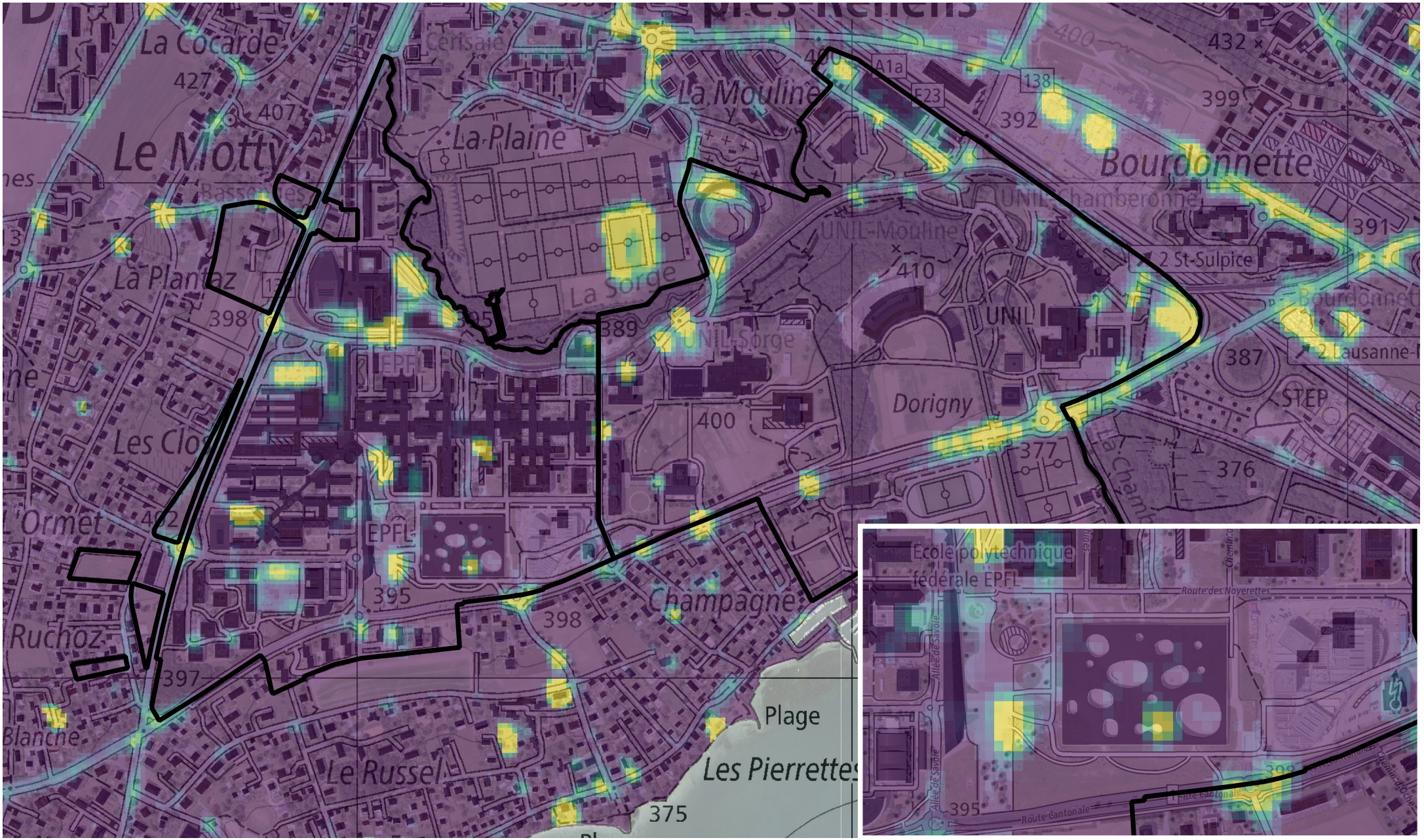
5. Artificial lights at night (ALAN)



N

0 100 200 300 400 500 m

0 50 100 150 200 m

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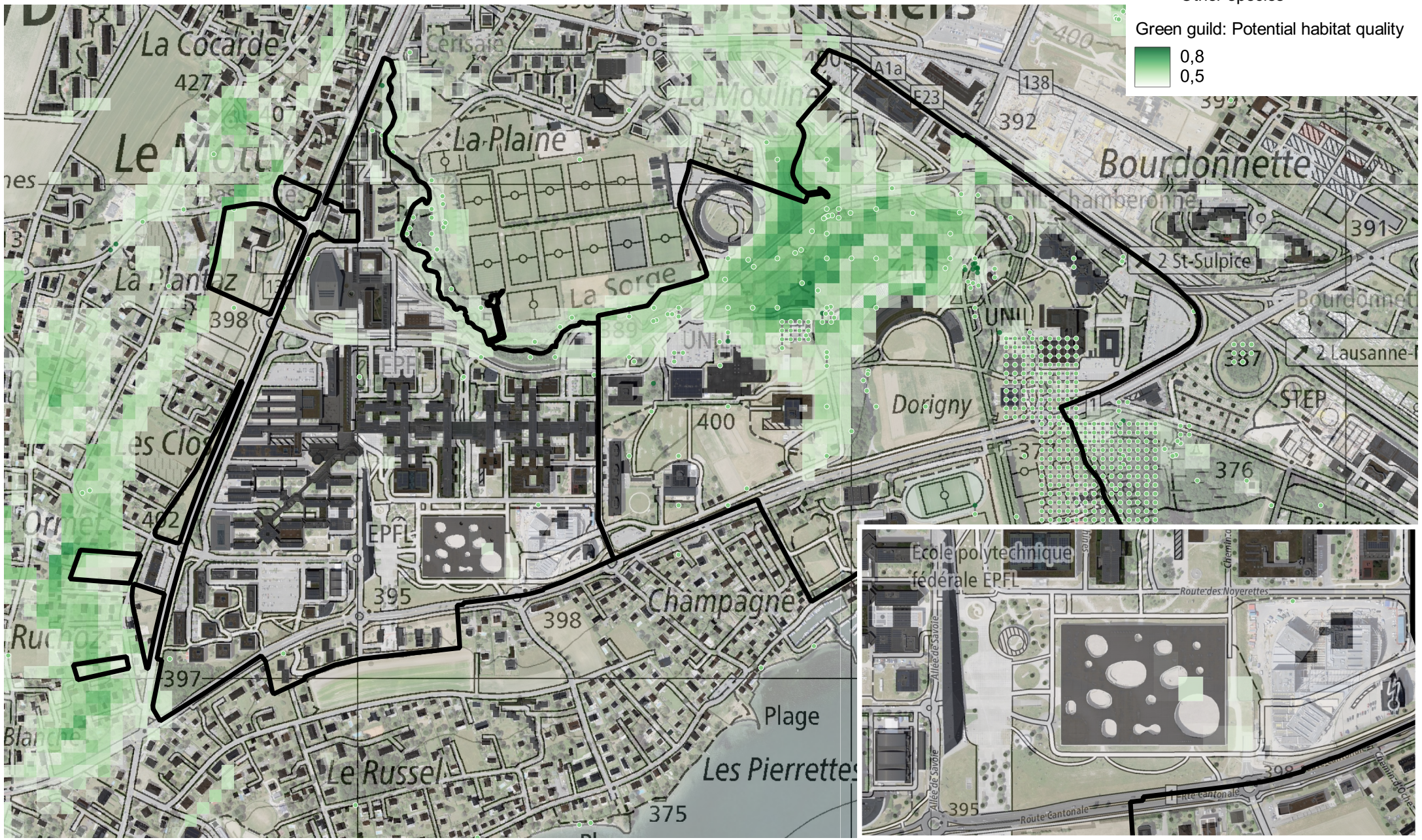
6. Green guild potential habitat quality



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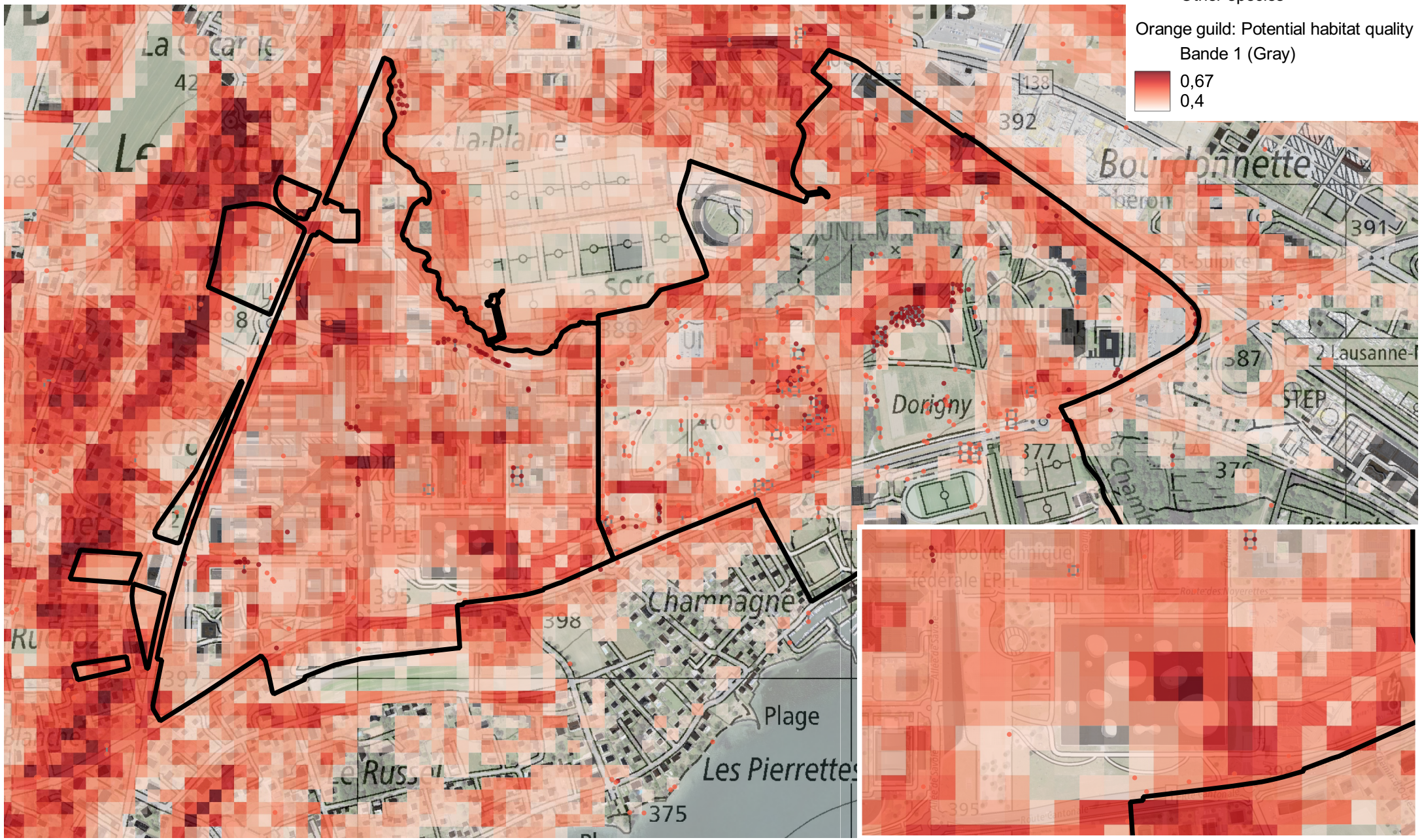
7. Orange guild potential habitat quality



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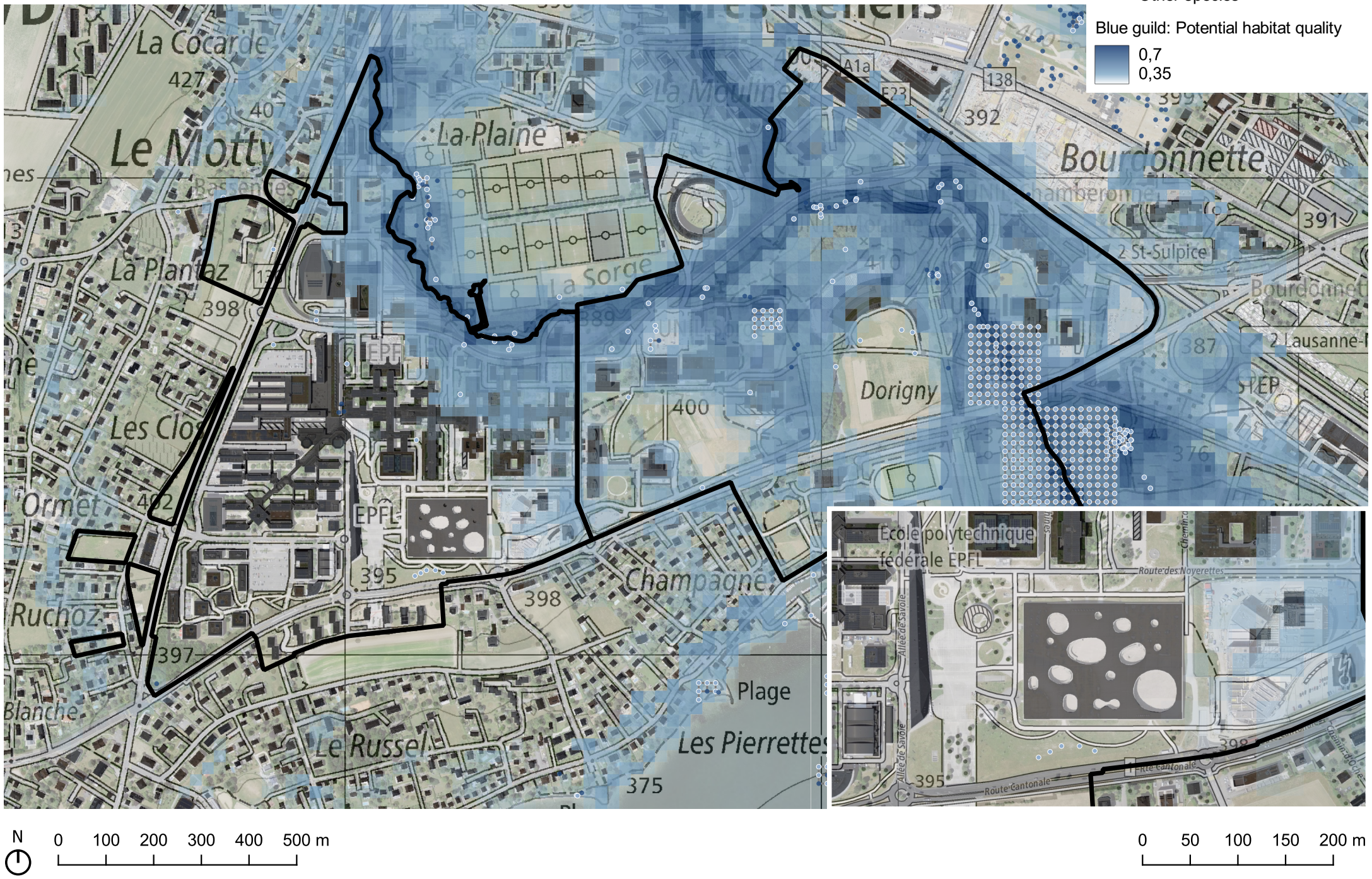
8. Blue guild potential habitat quality



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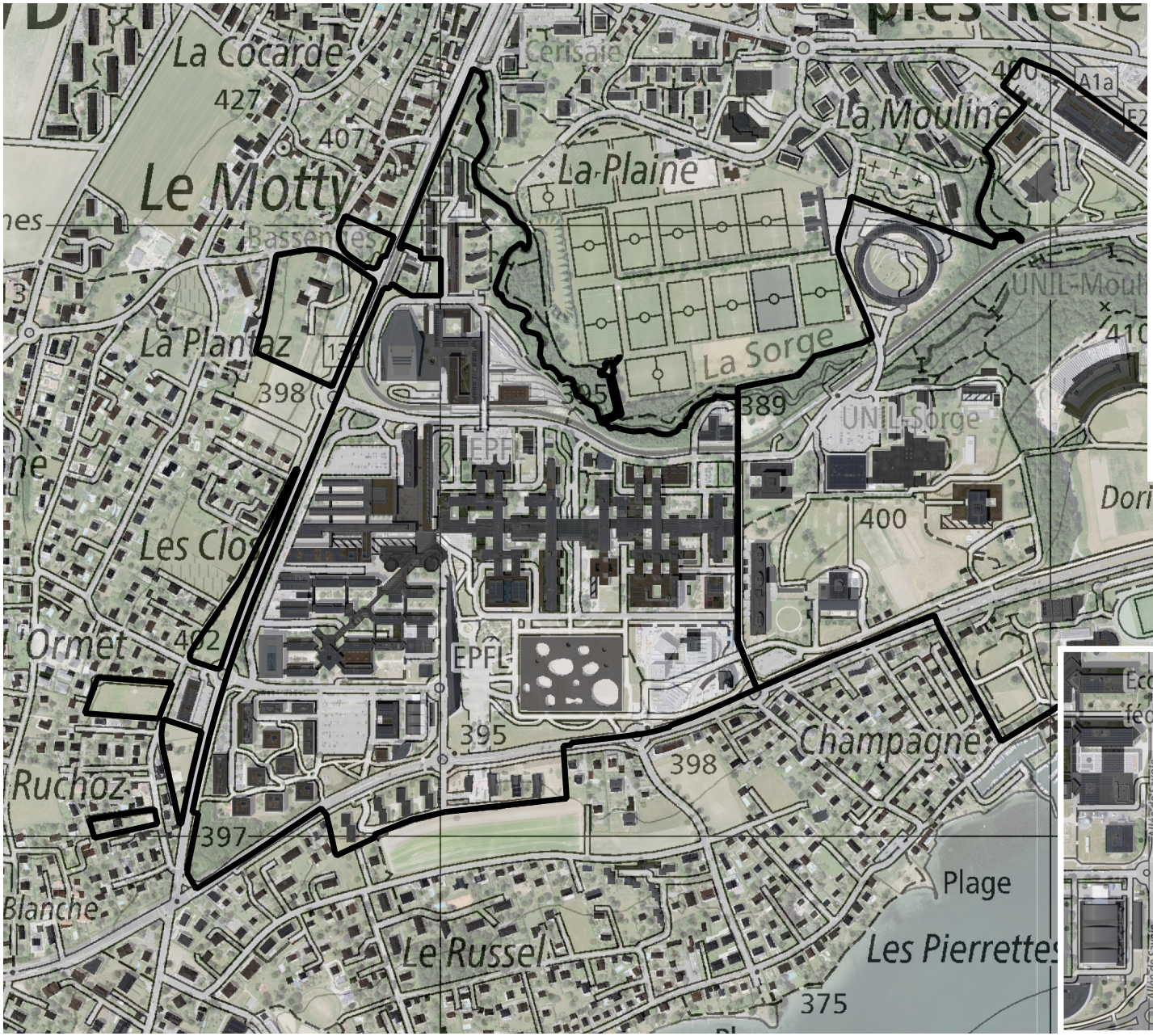
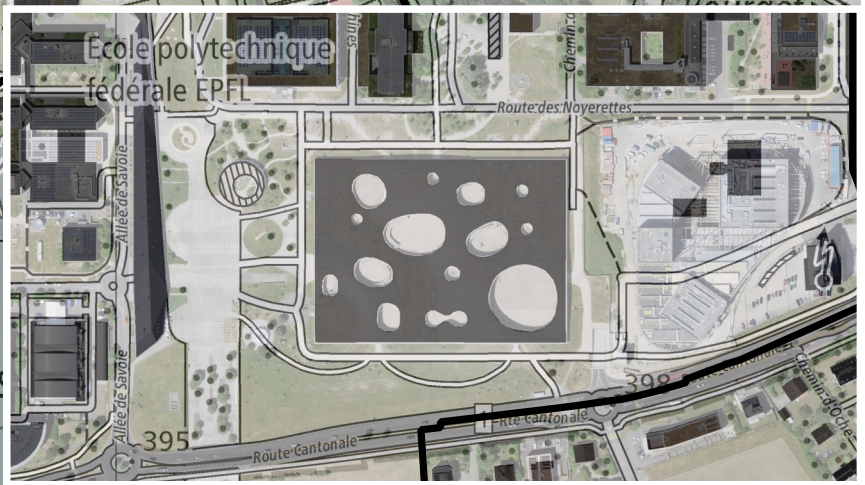
Exercise





You are tasked by the Outdoor Spaces group of the Sustainability unit of EPFL to promote the ecological infrastructure around the Rolex Learning center.

Use the following biological measures to improve the ecological infrastructure on and around the EPFL Learning Center's Esplanade:
- Mesophilic grassland (1'000 m2, min surface 100 m2, min width 10 m)
- Pond (300 m2, min surface 50 m2, min width 5 m)
- Hedgerow (300 m2, min surface 30 m2, min width 3 m)

1. What type(s) of wildlife habitat would you promote first (green, orange or blue) and why?

2. Where would you first create new wildlife habitat and why?

3. How does you course of action promote the ecological infrastructure (core areas, stepping stone habitat...)?

4. What measures would you take to ensure the sustainability and longevity of the wildlife habitats you create?

5. How would you address potential conflicts or challenges arising from human-wildlife interactions within the EPFL campus environment?

N

0 100 200 300 400 500 m

0 50 100 150 200 m