Continutiy of riverside slow mobility routes (A.1.1.1a)

Definition:
The presence and continuity of slow mobility routes along the river is measured at the scale of the corridor segment as **[1] absent**; **[2] discontinuous**; **[3] continuous**.

Input data:
- Corridor segment boundary
- Bike path network within the corridor segment (OSM)[79]
- Water polygon within the corridor segment (OSM)
- Buffer distance[80]

Implementation:
1. A buffer of 25m from the river polygon is created. To isolate the riverside slow mobility routes, the bike path network is clipped with the 25m buffer. If the clipped network is empty (NULL), then the value **[1] absent** is assigned to the corridor segment and the following steps are skipped.
2. Another buffer of 25m is created from the end edges of the water polygon, i.e. the edges which intersect the corridor segment boundary. To check the continuity of the bike path network across the corridor segment, the clipped bike path network is intersected with the end segment buffers. If at least one of the two end buffers does not intersect the bike path network, than the value **[2] discontinuous** is assigned and the following step is skipped.
3. If both end segments intersect the bike paths, then the network is checked for the number of connected components. If the number of components is >1, then the value **[2] discontinuous** is assigned. Otherwise, the bike path network is considered to be **[3] continuous**.

Results CS03:
- Geometry: **NOT NULL**
- No. of connected components: **1**
- No. of connected ends: **1**/2
- Continuity of riverside slow mobility routes: **discontinuous**

79 The OSM data used in this assessment needs to be confronted with the real-world situation, as some bike ways may not be in fact usable.

80 In case of River Dâmbovița, a buffer distance of 25m was considered to be sufficient for the selection of riverside bike paths. A larger buffer might be needed in other cases, therefore it needs to be determined according to the specific configuration of the riverfront that is being assessed.

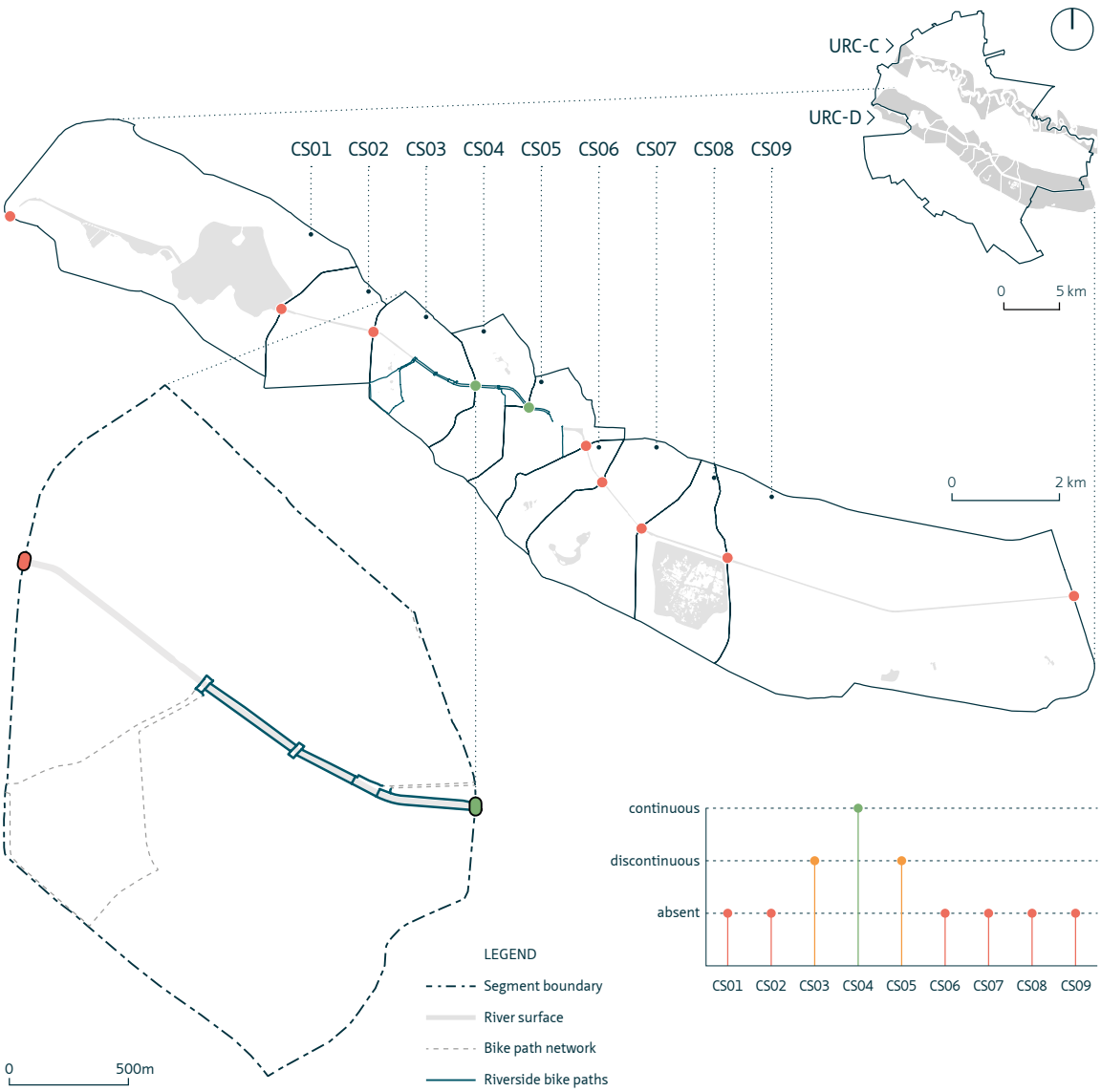

FIGURE APP.E.1 Continuity of slow mobility routes along URC Dâmbovița, with detail of CS03.

SEGMENT	VALUE	INDEX
CS01	absent	1
CS02	absent	1
CS03	discontinuous	2
CS04	continuous	3
CS05	discontinuous	2
CS06	absent	1
CS07	absent	1
CS08	absent	1
CS09	absent	1

TABLE APP.E.2 Results of indicator A.1.1.1a.

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