



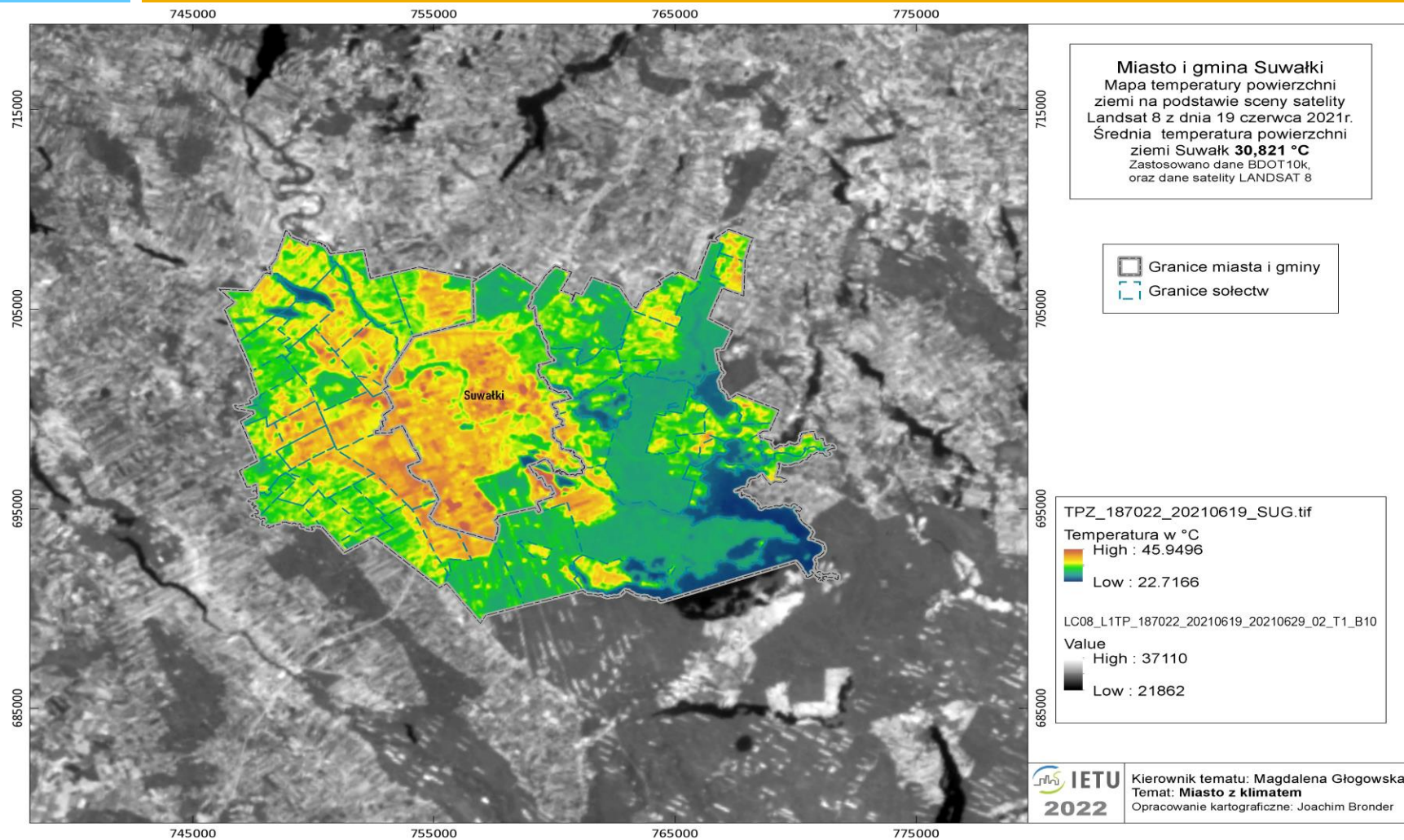
Climate change actions in Suwalki

ICN meeting, 06.09.2023



Adaptation to climate change

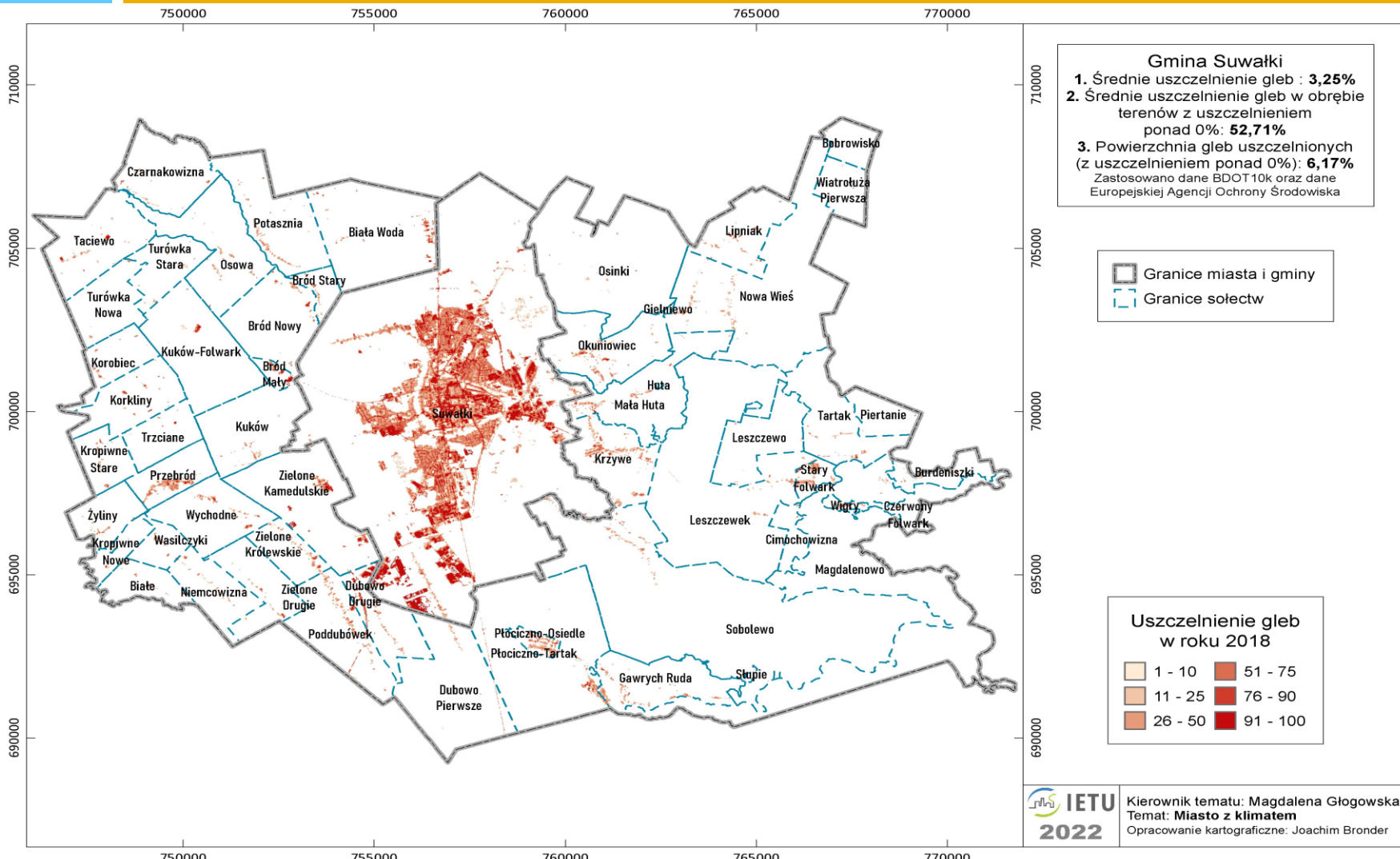
Heat Island





Adaptation to climate change

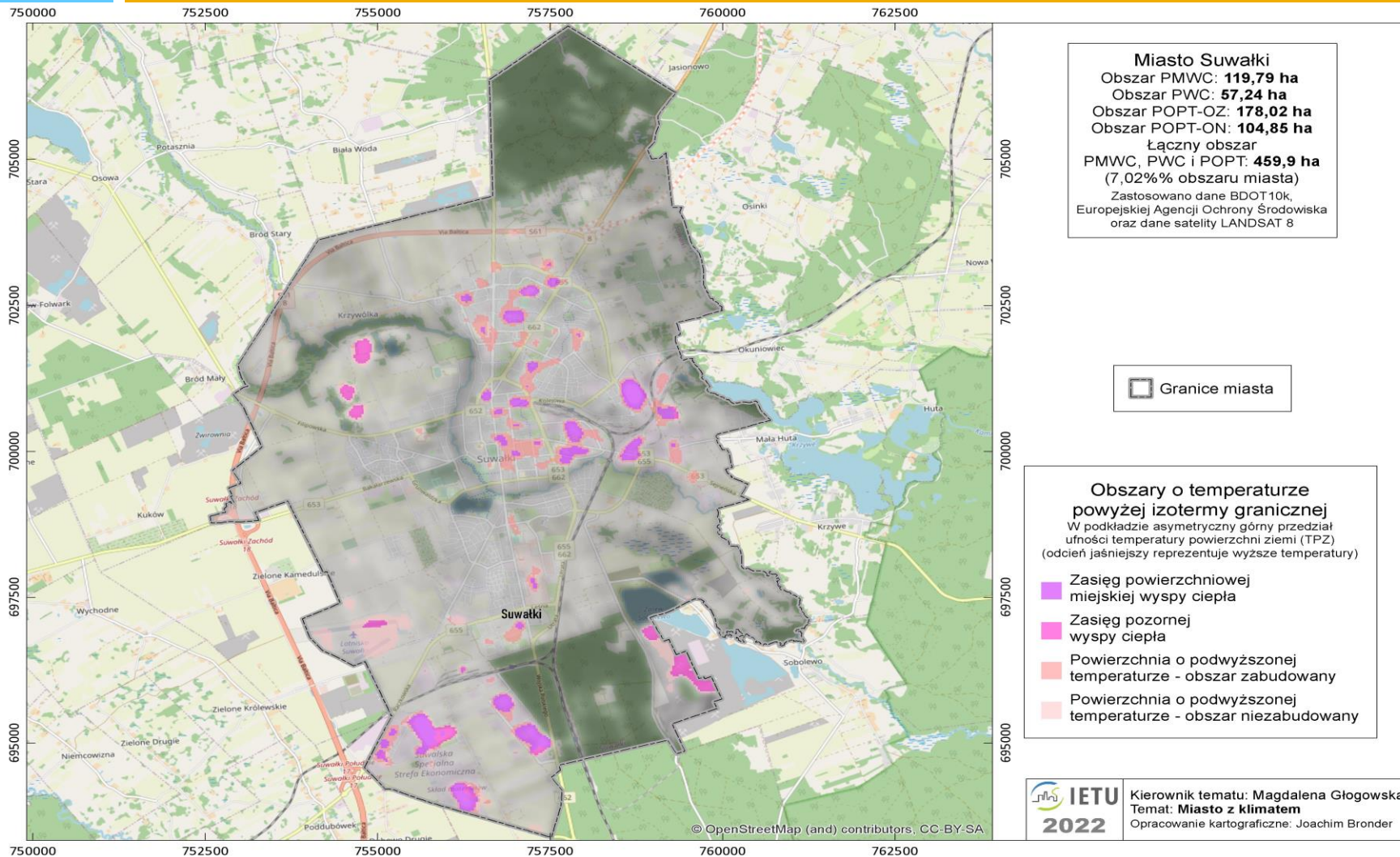
Heat Island





Adaptation to climate change

Heat Island





Adaptation to climate change

Strategic document

Strategic target 3.

Clean environment **Czyste środowisko** and functional space

Operational target

3.2. Safe and clean environment

Direction of action

3.2.3. Development of green and blue infrastructure

Actions foreseen:

- ✓ Minimizing surface water runoff, including through support for initiatives increasing water retention.
- ✓ Promoting the infiltration of rainwater instead of entering the rainwater drainage system.
- ✓ Creating small recreational places in rural and downtown buildings, e.g. pocket parks, green areas, rain gardens. Creating green recreation places in housing estates.
- ✓ Purchase of green maintenance equipment.
- ✓ Construction of green bus stops, green roofs and vertical surfaces of buildings, street screens, ventilation shafts, green garbage sheds and others.

Total Amount: 7,3 mln EUR for these types of actions



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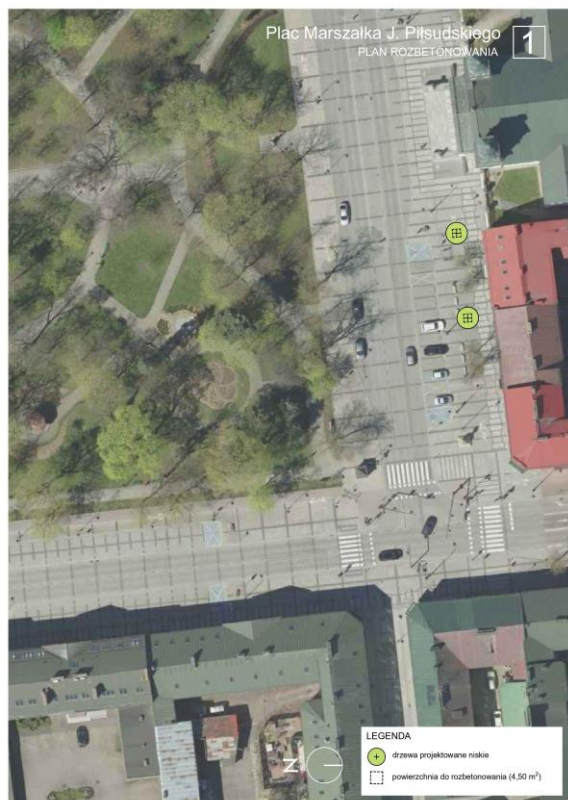
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Adaptation to climate change

Green Suwałki





Adaptation to climate change

Green Suwałki





Adaptation to climate change

Green Suwalki

Unconcreting of hardened surfaces - nearly 150 m² of space. In its place, 10 common maples will be planted and 19 maples or birches.

Creating **4 pocket parks**, located in different parts of the city.

Creation of **2 linear parks**

6 green bus stops. In the rear and side parts of the bus shelter, concrete cubes will be removed (approx. 37.44 m² in total), and vines and shrubs will appear in its place. In total, about 192 vines are planned to be planted in these places.





Adaptation to climate change

Sensoric garden





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Sensoric garden

An attractive space stimulating all the senses: the zone of sight, hearing, touch, taste, smell and a fun zone, as well as an educational waterbed with a stone passage.

50 + species of trees, shrubs and perennials will be planted.

For the youngest users of the Garden, the already mentioned play zone has also been planned: a "sand factory" developing small motor skills.

The total area of plantings in the garden will be approx. 440 m².





Adaptation to climate change

Low emission communication system

Products:

- 19 low-em CNG buses
- Bike system - 16 bike stations, 160 bikes
- Infrastructure (2 road fragments)
- Dynamic transport information system (electronic boards on bus stops, monitors in buses)
- Information and education actions

Budget:

- Total value: 33 728 262,00 zł
- Cofinancing: 27 729 833,00 zł
- Time period: 09.2019 r. – 08.2022 r.
- CO2 reduction: 62% comparing to before the project





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Low emission communication system

**Purchase of 19 low-emission CNG buses
(11 pcs. - 12 m length, 7 pcs. - 10,5 m, 1 - 18 m)**





Adaptation to climate change

Low emission communication system





Adaptation to climate change

Low emission communication system

Bike system

- 17 bike stations with stands,
- 160 bikes incl:
 - Traditional bikes (142 pcs.),
 - Electric bikes (15 pcs.)
 - Tandems (3 pcs.)
 - IT administration system ;





Adaptation to climate change

Low emission communication system

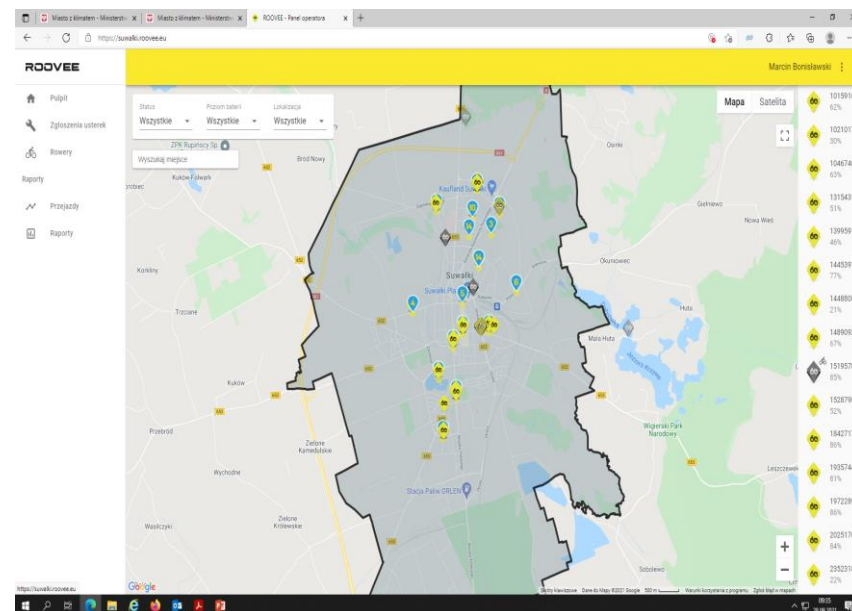




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Low emission communication system

	2021	2022	2023
Total number of rentals	40 286	82 127	57 943
Total number of users	5109	8927	10 989





Adaptation to climate change

Zero emission communication system

Comprehensive project:

- ✓ Purchase of 15 electric buses
- ✓ Renewable Energy Sources supporting the needs of electric buses – PV farm
- ✓ Cycling roads – connecting City with rural municipality
- ✓ Development of urban bike system – 5 additional stations within the city and 2 in the neighbouring commune
- ✓ IT systems for public communication
- ✓ Green bus stops





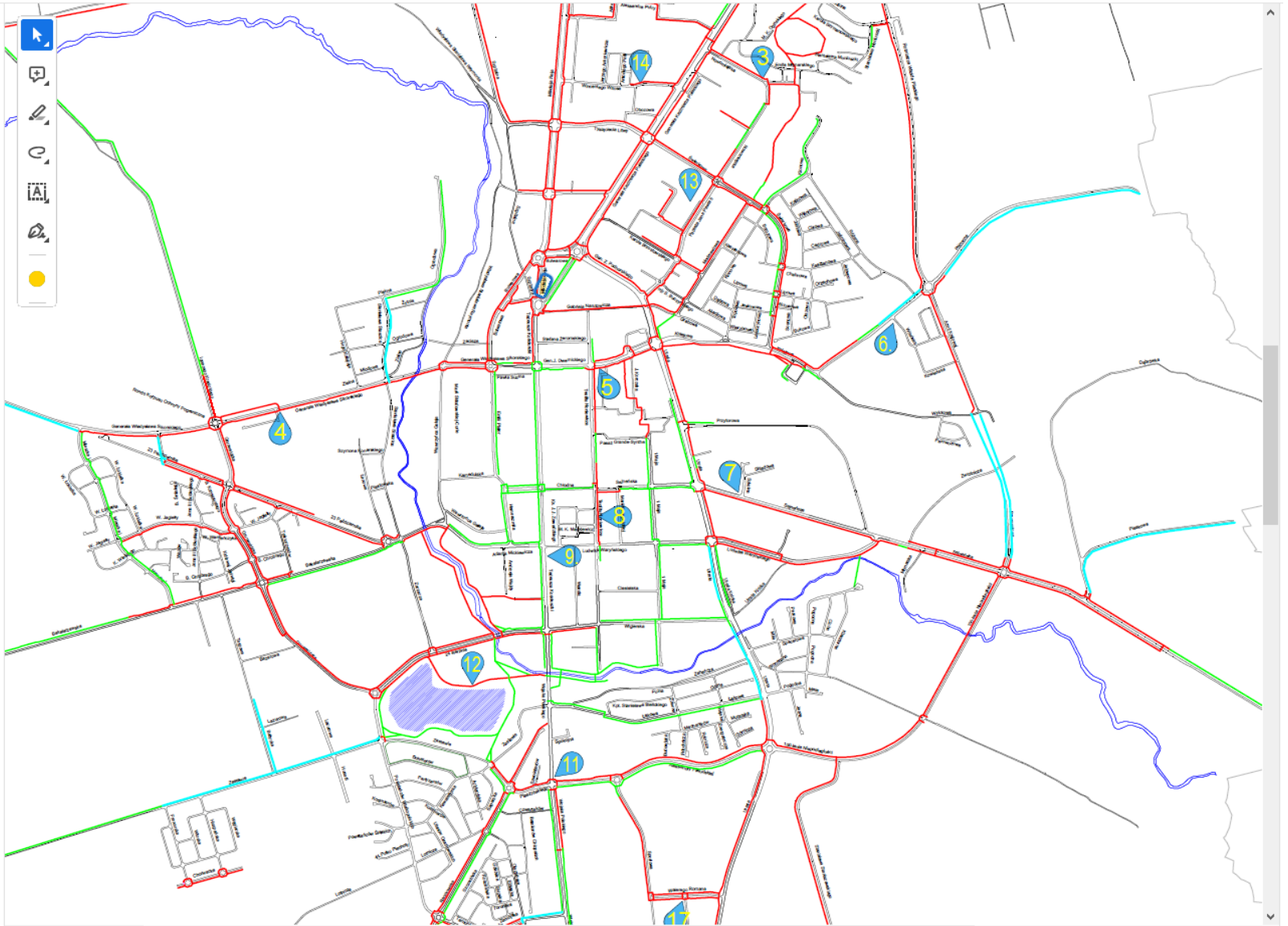
Zero emission communication system

PODL_SUW_strategia_pon...

☆ Mapa ścieżek rower...

+ Utwórz

uj Podpisz



23.39 x 33.11 cale





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Thank you for your attention.