



XXVII FIG CONGRESS

11-15 SEPTEMBER 2022
Warsaw, Poland

Volunteering
for the future –
Geospatial excellence
for a better living

The City of Poznań – Photogrammetry – from cadastre to digital twin

Zarząd Geodezji i Katastru Miejskiego GEOPOZ (ZGiKM GEOPOZ)

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ORGANISED BY



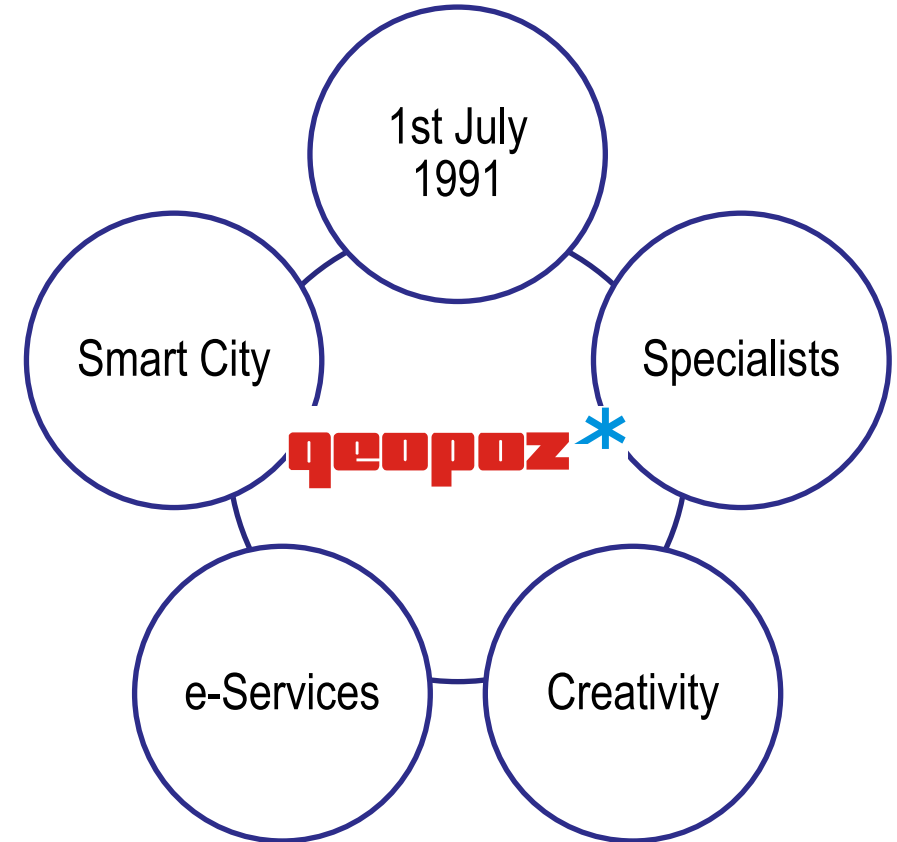
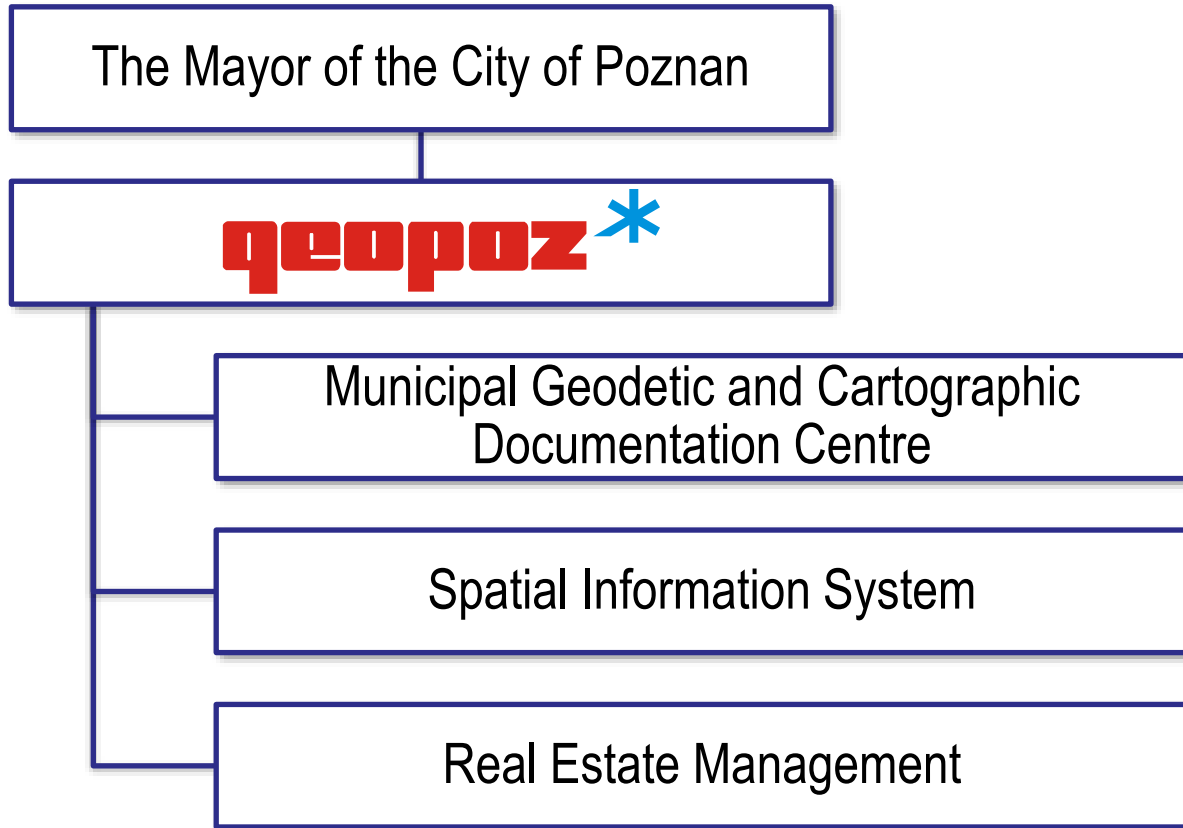
PLATINUM SPONSORS



The City of Poznań

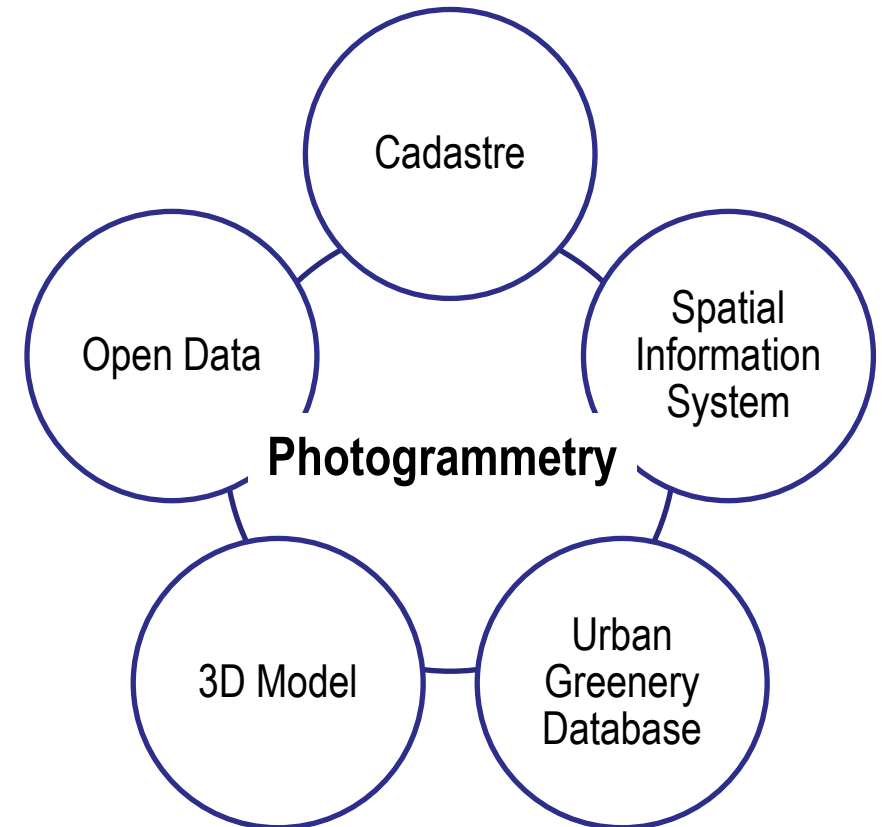


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Photogrammetric traditions in the City of Poznań

- 1989 • The first civil aerial photos of the city
- 1997 • Vector City Map of Poznań
- 2006 • The first photogrammetric station
- 2010 • The first fully digital aerial photos of the city
- 2013 • The first vertical imagery and LIDAR data
- 2018 • 3D Model City of Poznań
- 2021 • Photogrammetric data for the Poznań metropolis



Geodetic and Cartographic Resource – updating by photogrammetry



Topographic Objects
Database
(BDOT500)



Raster data



Stereodigitalization

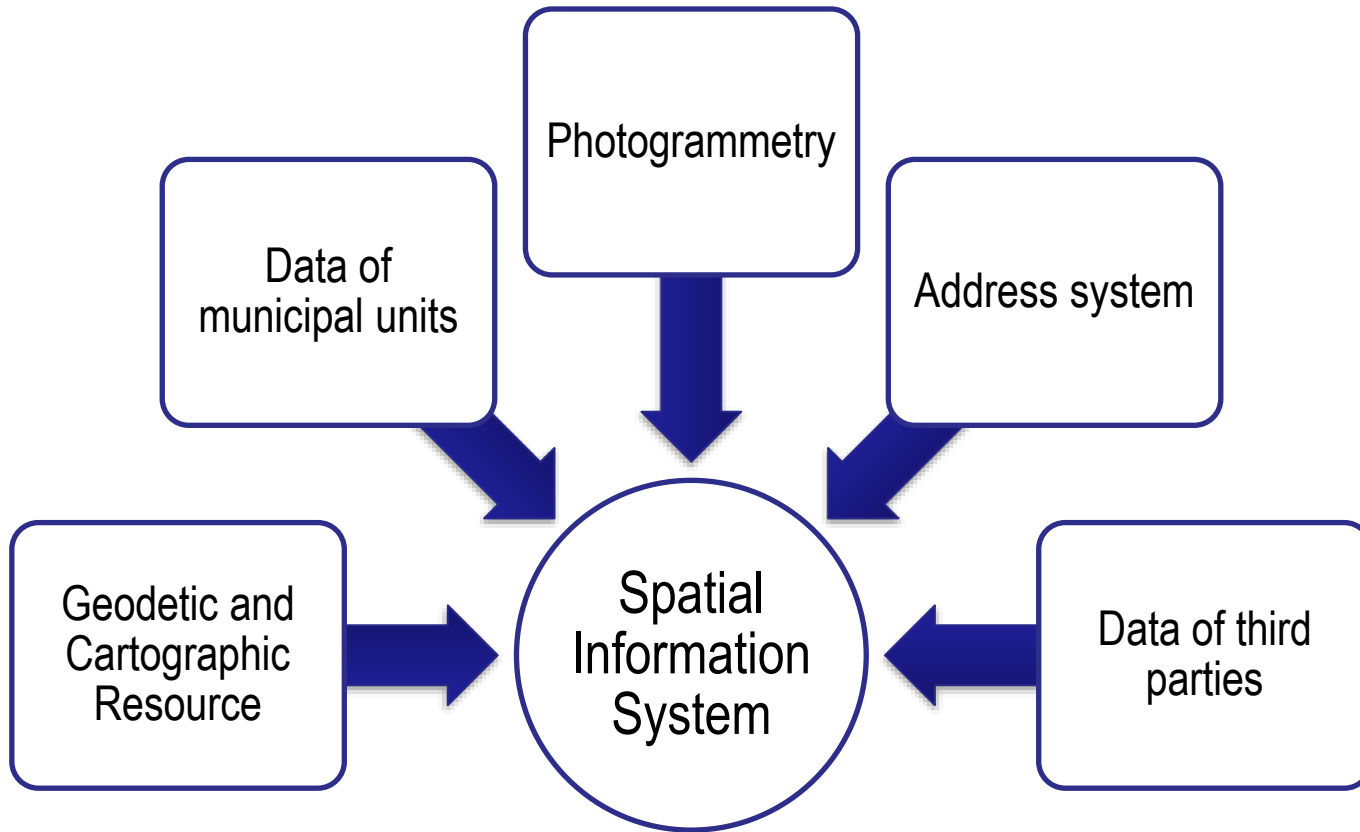


Vector data



Update Topographic
Objects Database
(BDOT500)

Spatial Information System of the City of Poznań



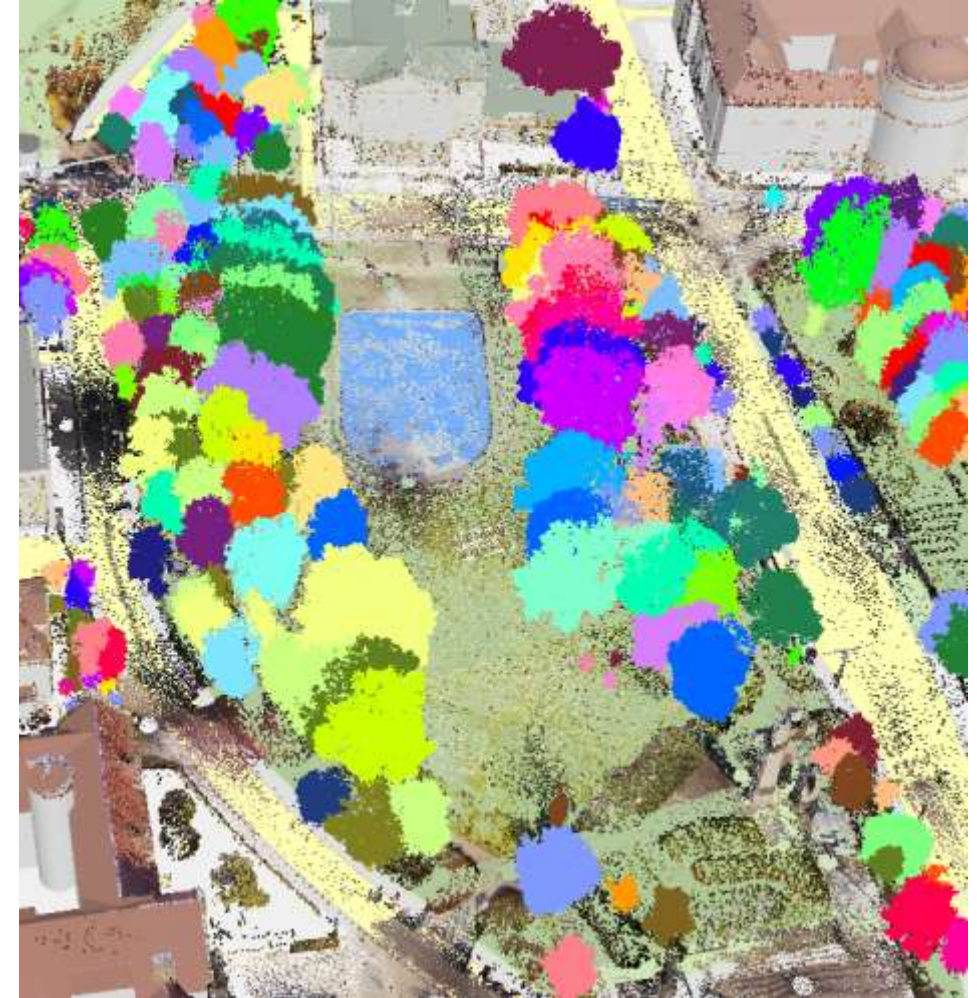
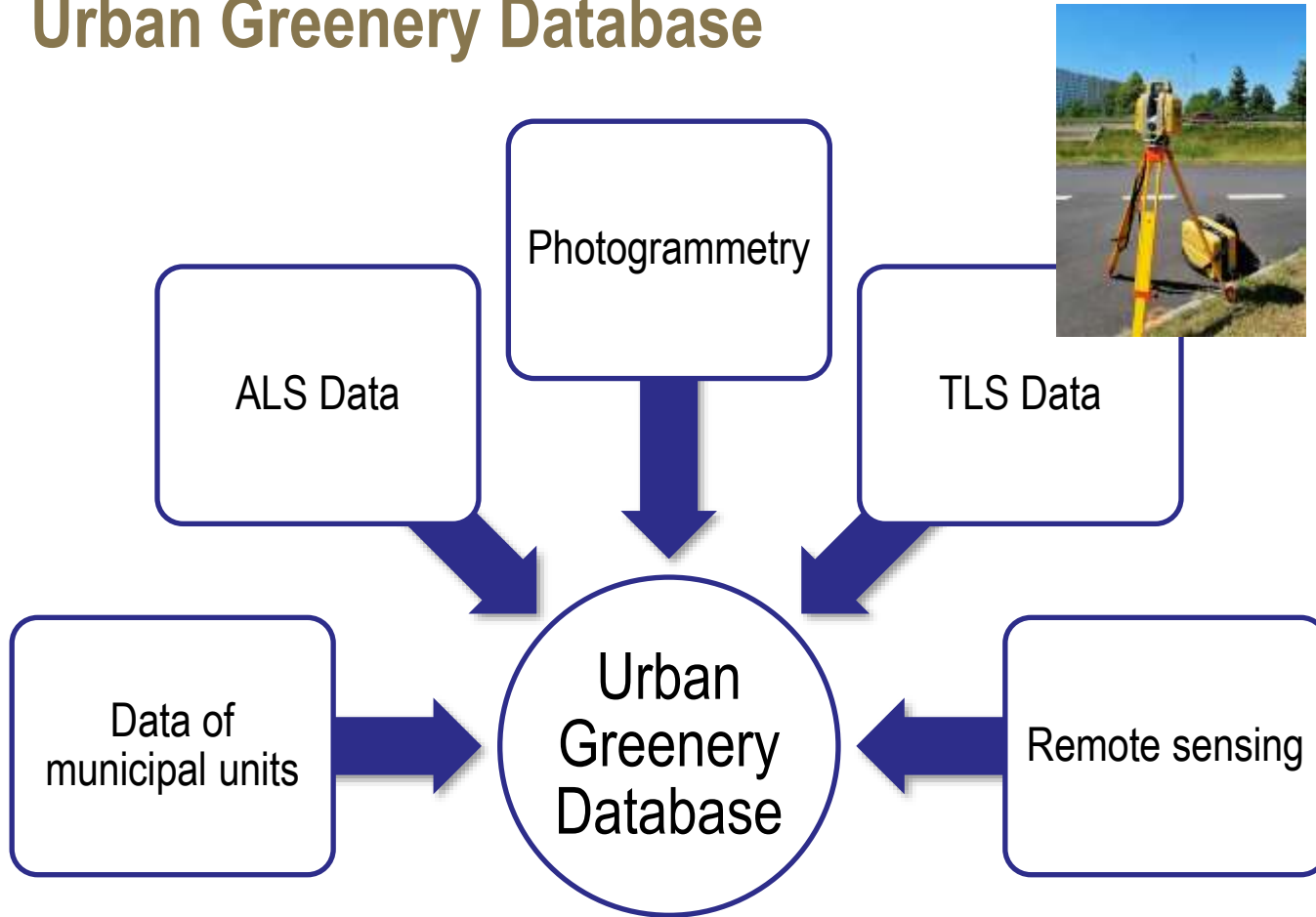
Spatial Information System

<https://sip.poznan.pl>

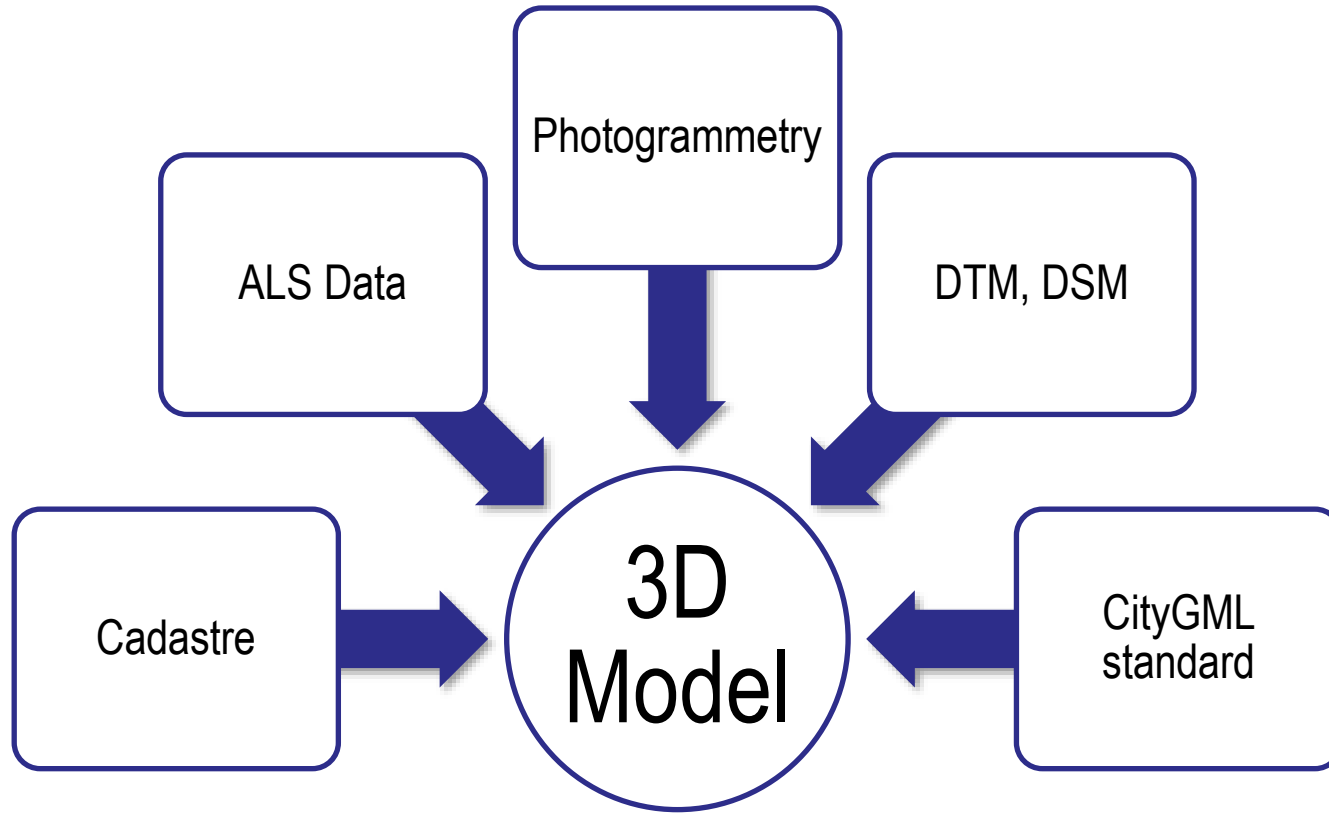
3D Model

<http://sip.poznan.pl/model3d>

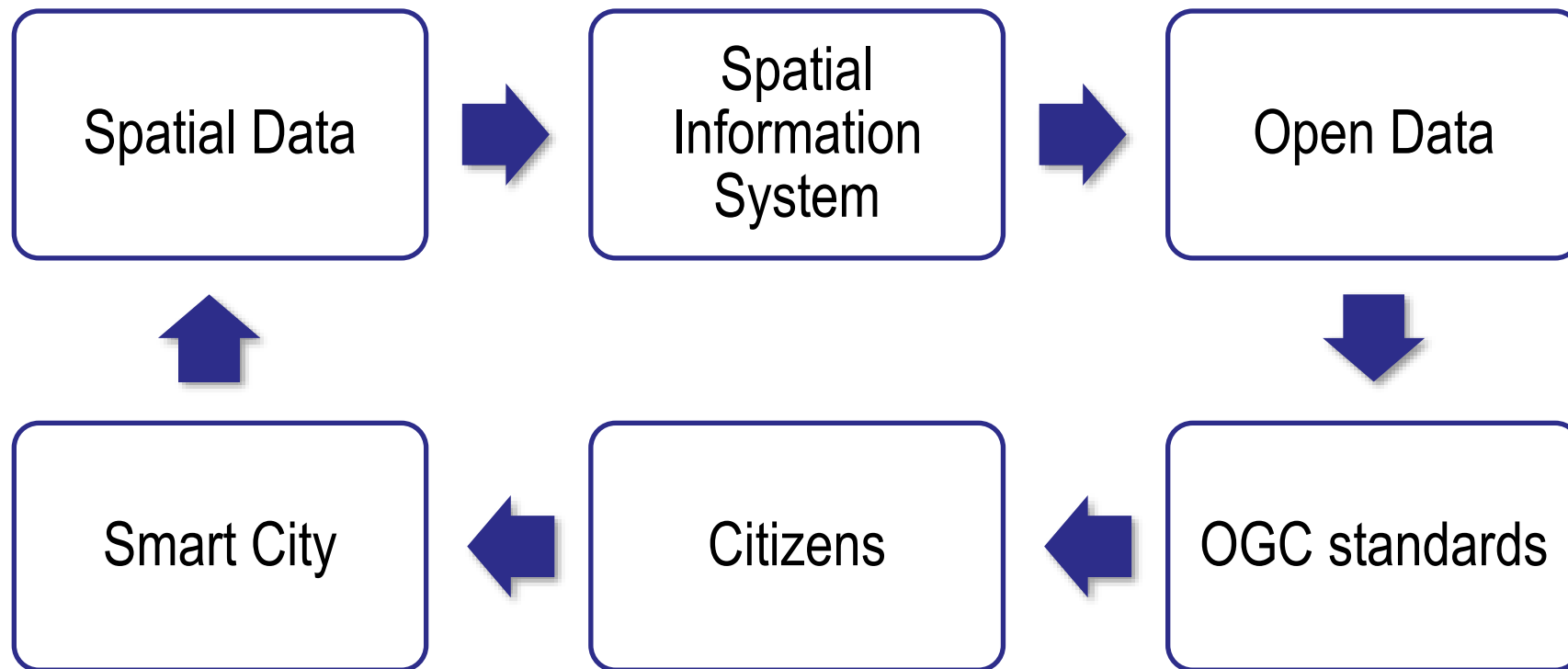
Urban Greenery Database



3D Model – digital twin



Smart city – open data



Conclusion

