

Copernicus Masters 2022 Sustainable Urbanism

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Urbanism before the 1930s

- Cities evolved mostly *naturally*.
- Local population was taken into account.
- What existed before was considered.
- Practical & harmonious simultaneously.
- No privileged place given to automobiles in the city.

Paris late 19th century urban development



Urbanism after 1945

- Triumph of 19th century mechanistic/technocratic thinking.
- The city as a *problem to be solved*.
- Populations are just *elements* to be manipulated.
- Automobiles take the central place.
- Sprawl vs. density.

Robin Hood Gardens, London (1972) - condemned



UP42/Airbus challenge 2022

- Sustainable urbanism & cities.
- Bringing remote sensing to bear on urbanism.
- Quantify what makes a city likeable & liveable.
- Looking from above to what exists.
- To be used as an auxiliary to urban planning.

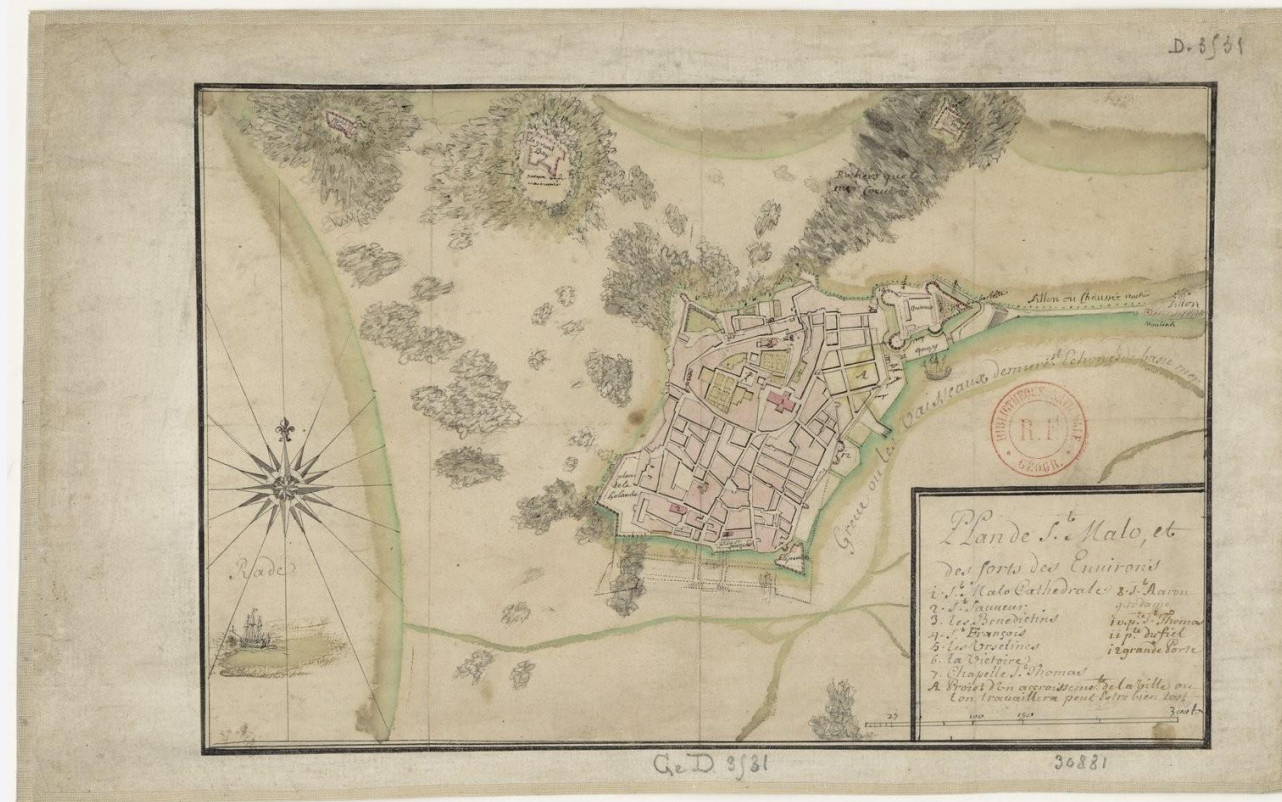
Example of urban analysis: Saint-Malo, France

- Old city (intra-muros) going back to the 12th century.
- Enlarged in the 17th/18th century.
- Car density across the years and across the seasons.
- Old city is 0.26 square kilometers.
- Walkable city: no need for automobiles.

Saint-Malo 17th century



Saint-Malo 18th century



Saint-Malo 19th century





Join our challenge

**help make the world more
liveable & likeable**