

2nd International Conference on Future Challenges in Sustainable Urban Planning & Territorial Management



The 15-Minute City Concept: A Vision for Accessible and Sustainable Urban Living Author: Davide Pezzulo. Affiliation: Universidad Politécnica de Cartagena.

The worldwide episode of COVID-19 has affected significant changes around the world, driving a notable lessening in general activity volume in the primary half of 2020 and an outstanding surge within the request for parks and open spaces has been watched.

The hypothesis of the "15-minute city" draws from the roots of past arranging models, especially the "cultivate city." This approach looks to recover urban space already ruled by arranging models that prioritized private vehicle utilization. All through this investigation, 16 cities around the world were recognized that are testing with the usage of the "15-minute city" show.

Eight directing standards have been characterized for realizing this vision:

- Proximity to essential services
- Proximity to public transport
- Density
- Mixed land use
- Walkable and cyclable streets
- Liveable public spaces and placemaking

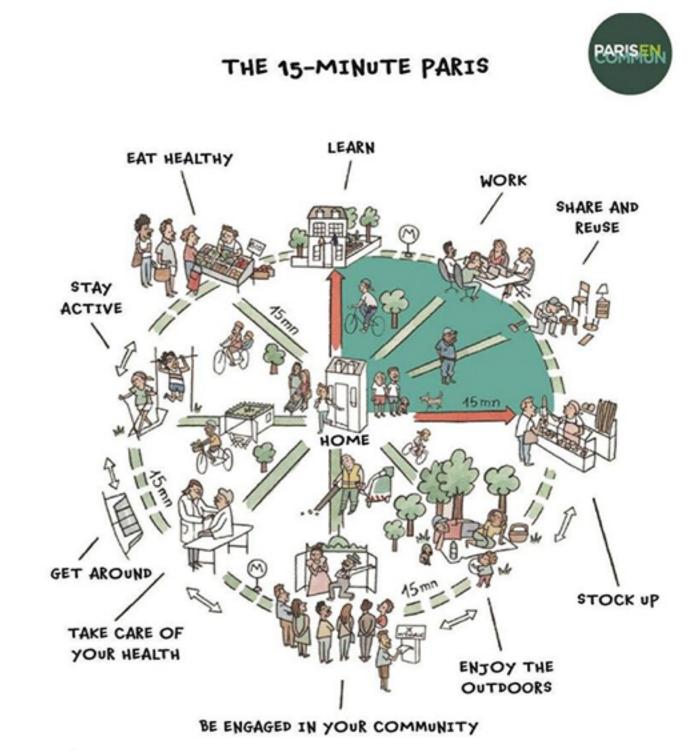


Figure1: Theory of the 15-minute city Paris, Source: Micael

- Inclusiveness
- Ubiquity

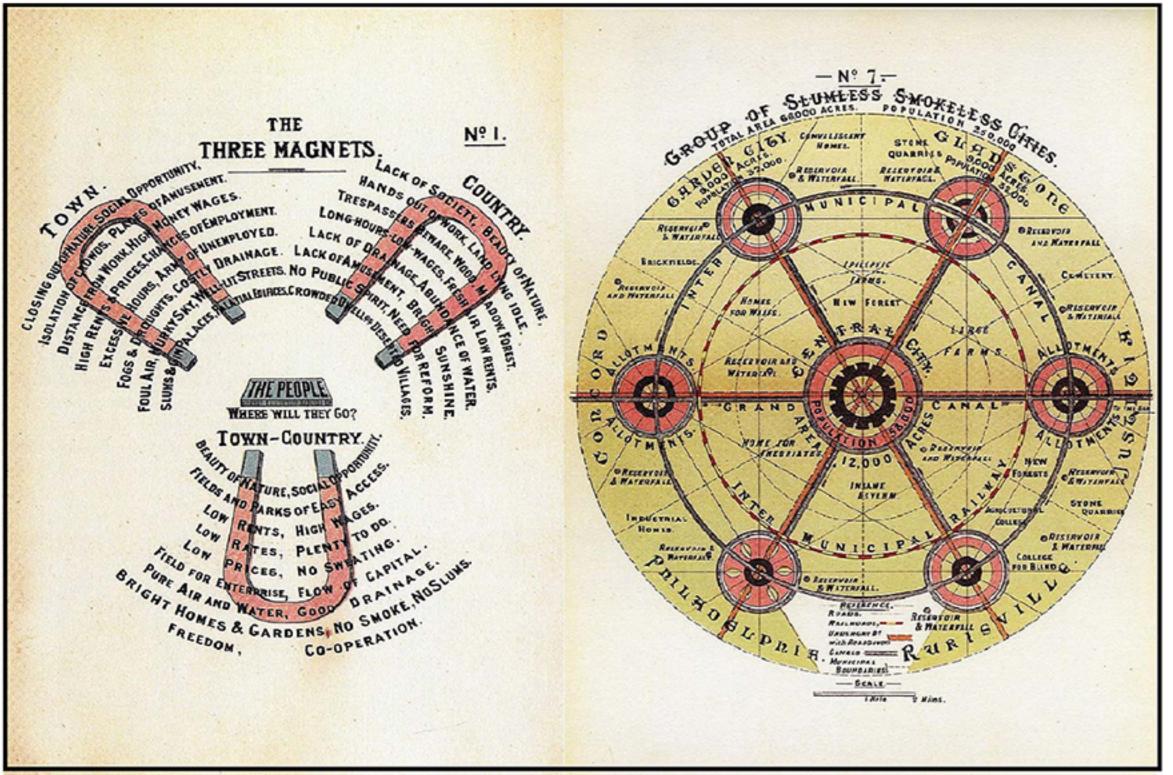


Figure 2: Three Magnets theory / Garden City theory, Source: 'To-Morrow: A Peaceful Path to Real Reform' Ebenezer Howard (1898)

# **Challenges:**

- Conspiracy theories and objections: This concept has been criticized and distorted by conspiracy theorists, leading to opposition and skepticism, especially in terms of its impact on personal freedom and mobility.

- Zoning and Infrastructure Planning: Implementation of the 15 Minute City Model may face challenges related to current zoning regulations, physical development infrastructure and land use patterns, especially in automobile-dependent cities such as those in the United States.

The 15-minute city demonstration is based on a few urban arranging standards that incorporate:

#### 1. Proximity:

Guaranteeing that most every day necessities and administrations, such as work, shopping, instruction, healthcare, and recreation, can be effectively come inside a 15-minute walk, bicycle ride, or open travel ride from any point within the city

#### 2. Density:

Making pleasant and dynamic thickness within the city to empower neighborhoods intuitive and diminish the requirement for broad travel.

# 3. Diversity:

Advancing an assortment of exercises, administrations, and comforts inside the nearby region to bolster a well-rounded and self-sufficient community.

### 4. Flexibility:

Planning the city to be versatile and strong, permitting for changes to arrive, utilize and foundation to meet the advancing needs

of the community.

5. Digitalization:

Leveraging computerized advances to improve the availability and effectiveness of nearby administrations and amenities.

6. Connectivity:

Cultivating solid associations inside the community and with the more extensive city to guarantee that nearby ranges are coordinated into the urban fabric.

- Social and Environmental Inequality: Although this model aims to address social and environmental inequalities, underlying problems and skepticism have emerged regarding its actual implementation and its impact on the local economy.

## **Solutions:**

- Urban Planning and Policy Reform: The 15-Minute City Concept Calls for Policy and Urban Reform to Create Densified Neighborhoods Higher mixed use, can lead to more sustainable solutions.

and resilient cities.

- Community participation and collaboration: Community and stakeholder engagement in planning and implementation can help address concerns and ensure the model is adjusted to suit local needs and realities.

- Sustainability and quality of life: This model offers the potential to reduce carbon emissions, improve air quality, and improve overall quality of life by promoting the ability to walkability, access to local services and social cohesion.

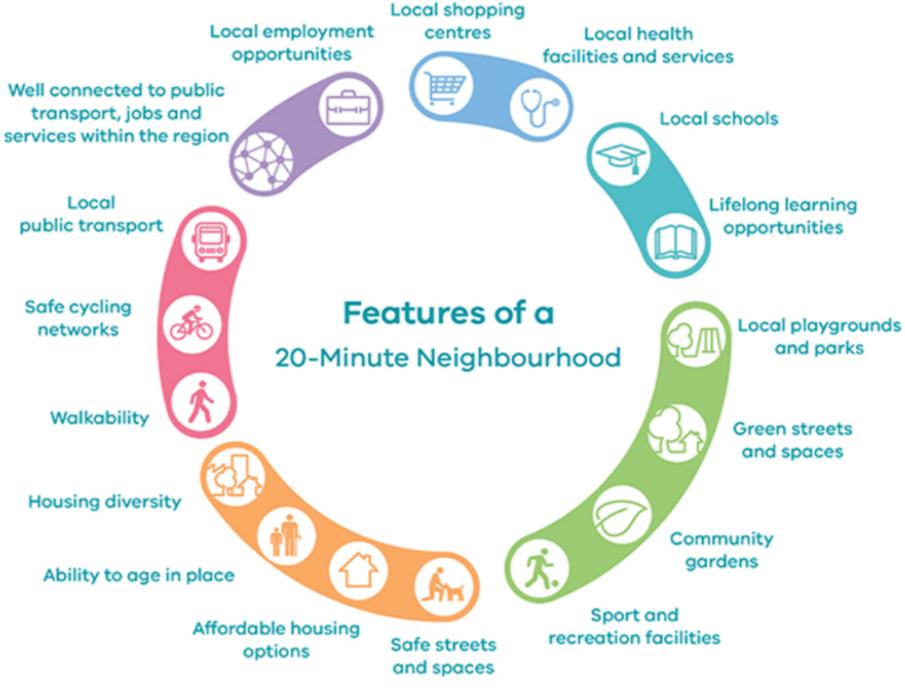


Figure 3: Features of a 20-minutes Neighborhood, Source: Victoria State Government