

## "2030 City Tour". New paradigm for intervention in the XXI century cities

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### 1. THE ACTUAL SOCIETY MODEL

Our society model has been showing signs of exhaustion since the end of the XX century. The recent appearance of the Covid-19 virus is another consequence of **humanity's distance from Nature** and the environment it inhabits. Also, climate change, environmental deterioration, loss of biodiversity, overexploitation of natural resources, and social inequality are some of the consequences derived from this separation between society and Nature. We must change our operating habits. Inevitably from a society based on **the market, hyper consumption, fossil energy and individual enrichment** at all costs, **we will have to change to another** with a **more sustainable model**.

### 2. A NEW PARADIGM IS BORN

A new paradigm is emerging from various sectors of our society based in the **SDGs (Sustainable Development Goals)** established by the UN for eradicate poverty, protect the planet and ensure prosperity for all by 2030. This **new paradigm** begins to consolidate based on attitudes such as: **Geoconsciousness** (also called Ecosophy or Ecocentrism), **Honest relationships** that seek collective benefit and **Solidarity** led by governance that goes from global to local. From here it will be necessary to give shape to territorial organization, the new city and to architecture.

If I am allowed to risk, as **guiding pillars** for shaping the new model, one can first mention **NATURE**, with the recovery of biodiversity, ecosystem integration using the sun, wind, water and land as clean energy sources

improving environmental quality in terms of air, water, waste, noise, etc. The second pillar would be the **TECHNOLOGY** with science, research and

innovation at the forefront consolidating non-polluting transport systems based on electricity or hydrogen and with the Internet and communication technologies as the main tools, allowing the use of the network by all of society for work on the acquisition of goods and services. And the third pillar could be **WELL-BEING** moving from a society dominated by anxiety in the future to a more inclusive and secure one that allows a greater enjoyment of existence through adequate health, education, access to culture, feeding, justice, equality, and other essential goods and rights for all.

As **agents of change** they would be **Global Governances and States**, guaranteeing basic goods and rights; the **New Company** that in addition to being the engine of the economy and the generation of wealth, it would become the guarantor of worker welfare; and finally the **Social Collectives** like Associations, Foundations, Universities, Religious organizations and others allowing the participation of the whole of society in the process.

From a more practical point of view, **indispensable actions** for the new model can be pointed out: **give priority to rehabilitating** what has already been built; **build only what is essential** and sensibly; optimizing resources with local materials, knowing the footprint of its construction and looking for its long-term sustainability.

Society will continue to organize around an **Urban World** starring by cities and even a **Virtual World** that allows relationships of all kinds with the rest of humanity. But now there is a novelty that is the appearance of the **Rural World**. A new world that is no longer isolated, that allows enjoy nature and that it has enough space to adequately develop new demands. Well-endowed with optimal telecommunications infrastructures and nearby basic services, it is a **really attractive option**.

The possible **public strategy** consisting of **consolidate these rural areas** through the rehabilitation of ecosystems and landscapes, restoration of cultural heritage, the provision of basic services and the implementation of efficient and ecological transport systems It seems like an exciting path that we should definitely not stop exploring.

### 3. DIAGRAMS

#### Characteristics comparison of the XX and XXI century's cities

XX	XXI
The city of <b>asphalt</b>	The city of <b>trees</b>
The city of <b>oil</b>	The city of the <b>sun and air</b>
The city of the <b>car</b>	The city of the <b>pedestrian and bikes</b>
The city of the <b>garbage</b>	The city of <b>recycling</b>
The city of <b>highways</b>	The city of <b>Information highways</b>
The city of <b>hyper consumption</b>	The city of <b>quality consumption</b>
The city with <b>dormitory houses</b>	The city with <b>productive and multifunctional housing</b>
The <b>individual and anonymous</b> city	The <b>collective</b> city
The city of <b>walls and barriers</b>	The <b>accessible and inclusive</b> city
The city to <b>work</b>	The city that <b>generates work</b>
The city of the <b>commercial center</b>	The city of <b>local commerce</b>
The city of <b>advertising</b>	The <b>digital</b> city
The city of the <b>museum</b>	The city of <b>knowledge</b>
The city of <b>classes</b>	The city of <b>equality</b>

Diagram from Estudio de Arquitectura Álvaro Planchuelo / 2020

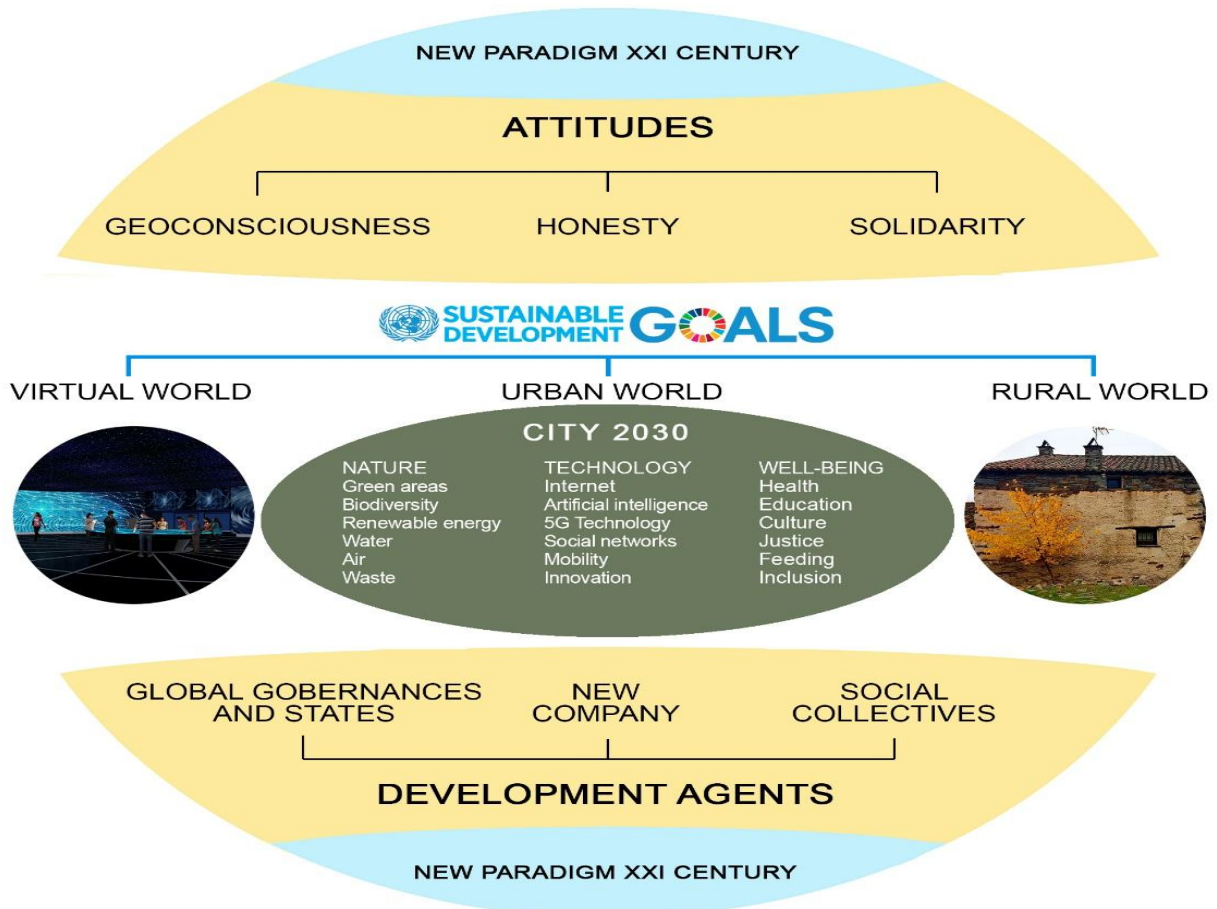


Diagram from Estudio de Arquitectura Álvaro Planchuelo / 2020



## ANNEX 1: XXI CENTURY ARCHITECTURE (Estudio de Arquitectura Álvaro Siza, Madrid, Spain)



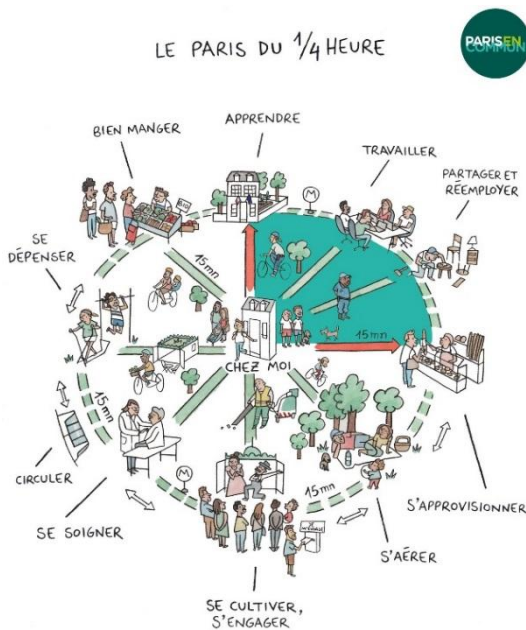
- (1) Cabañeros National Park Visitors Center and Museum, Ciudad Real, Spain
- (2) Zaragoza River Aquarium, Zaragoza, Spain
- (3) Palace Balcony Building restoration, Madrid, Spain
- (4) Cabrera Island National park Visitors Center. Mallorca Island, Spain
- (5) Sport Building “Centro Estel”, Palma de Mallorca, Spain
- (6) Puro Hotel Palma, Palma de Mallorca, Spain
- (7) Cabañeros National Park Visitors Center and Museum, Ciudad Real, Spain

## ANNEX 2: REMODELING CITIES FOR THE XXI CENTURY

### The quarter hour city (Paris, France)

Drawings and project from Carlos Moreno, architect

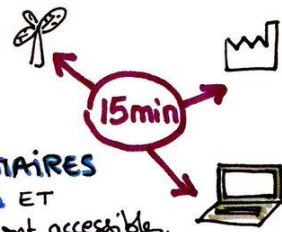
ETI (Entrepreneurship, Territory and Innovation) chair at the Paris 1 Panthéon Sorbonne University.



### LA VILLE DU QUART D'HEURE

Carlos Moreno  
@carlosmoreno

La ville du quart-d'heure est une ville où les secteurs **PRIMAIRE**, **SECONDAIRE** ET **TERTIAIRE** sont accessibles.



@anguch

The city of proximity. Paris, the quarter hour city. Eat, learn, work, supplying, entertainment, health, everything at your disposal in less than a quarter hour walking or by bicycle from your home. The primary, secondary and tertiary sectors are accessible in less than 15 minutes.





The city of proximity. The Street. 1/ The parking spots are transformed into terraces and gardens. 2/ An appropriate street for pedestrians and bicycles. 3/ A garden in front of each residence. 4/ Safe routes for children. 5/ Many proximity services.

**The city of Superblocks (Barcelona, Spain)**

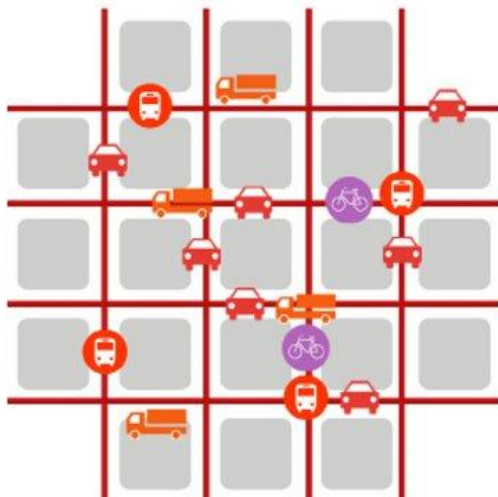
Drawings and project: Barcelonas’s Town Hall Urban Mobility Plan of Barcelona 2013-2018

Pedestrianize the widening blocks.

Reconversion model of pedestrian circulation in the preexistent blocks on the extension of the city of Barcelona. Nine blocks are grouped in a big one or “Superblock” limiting the internal traffic to residents, services and bicycles.

**SUPERBLOCKS MODEL**

**Current Model**



**Superblocks Model**



- |  |  |  |                              |  |  |
|--|--|--|------------------------------|--|--|
|  | PUBLIC TRANSPORT NETWORK               |  | PRIVATE VEHICLE PASSING      |  | DUM PROXIMITY AREA                     |
|  | BICYCLES MAIN NETWORK (BIKE LANE)      |  | RESIDENTS VEHICLES           |  | ACCESS CONTROL                         |
|  | BICYCLES SIGNPOSTS (REVERSE DIRECTION) |  | URBAN SERVICES AND EMERGENCY |  | BASIC TRAFFIC NETWORK                  |
|  | FREE PASSAGE OF BICYCLES               |  | DUM CARRIERS                 |  | SINGLE PLATFORM (PEDESTRIANS PRIORITY) |

## **The Great Bilbao (Bilbao, Spain)**

SPRI, Basque Business Development Agency. Basque Government

A city's transformation. Restoring the industrial river in a green corridor with singular buildings.

The Guggenheim Museum designed by the American architect Frank Gehry in 1997 was the start point of the transformation of this traditional industrial city built along a river of the Cantabric Sea in the north of Spain.

Later on, the Euskalduna Congress Palace (Federico Soriano and Dolores Palacios, 1999), the Iberdrola Tower (César Pelli, 2006-2012), the University of Deusto Library (Rafael Moneo, 2009) and the San Mamés Stadium (César Azcárate, 2013) were built. Currently, it's being built the Zorrotzaurre island following the urban design of Zaha Hadid Architects.



**Photography of “Cities of the XXI century. Bilbao the city of metals” RTVE.  
Getty Images**

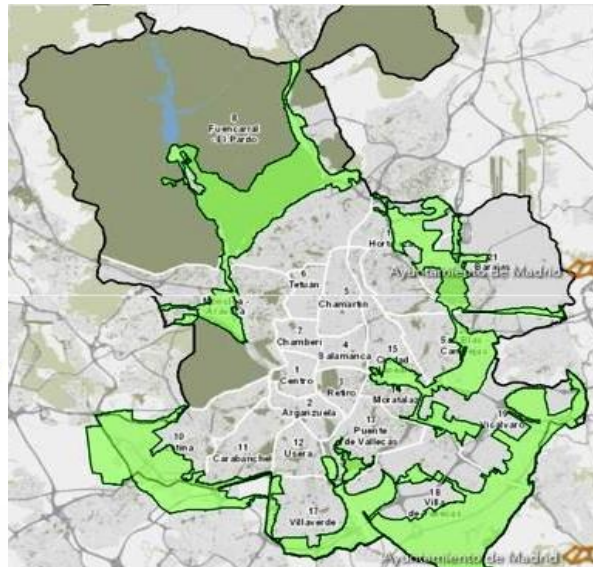
## **Green Madrid (Madrid, Spain)**

## Central Madrid and Metropolitan Forest, Madrid Town Hall

The naturalization of a city and the green ring.

Madrid Central is an urban regeneration plan for the capital of Spain that includes pedestrianization through superblocks and the naturalization of spaces by expanding the existing green areas and introducing green corridors between these areas.

The Metropolitan Forest is a project of the Madrid City Council that consists of generating a green forest perimeter belt of productive forests by taking advantage of the free spaces that surround the city of Madrid up to the limit of its municipal area.



(left) Madrid Centro Project. Municipal Strategic Plan of Madrid. Government Area for Urbanism and Housing of the Madrid City Council. (Jose María Ezquiaga, Juan Herreros, Salvador Pérez Arroyo, 2009-2010)

(right) Metropolitan Forest of Madrid. Madrid City Council Urban Development Area.



## The Historical Pedestrian Center (Pontevedra, Spain)

Pontevedra's Town Hall.

The pedestrian old city.

Pontevedra is a small city in Galicia, a region in the northwest of Spain located on the coast of the Atlantic Ocean. The new plan of Pontevedra "Metrominuto Pontevedra" pedestrianizes the historic center of the city by establishing a network of pedestrian lines with routes similar to those of the metro of any city. The project has received numerous awards and recognitions.



Photo of Pontevedra Tourism. Pontevedra Town Hall

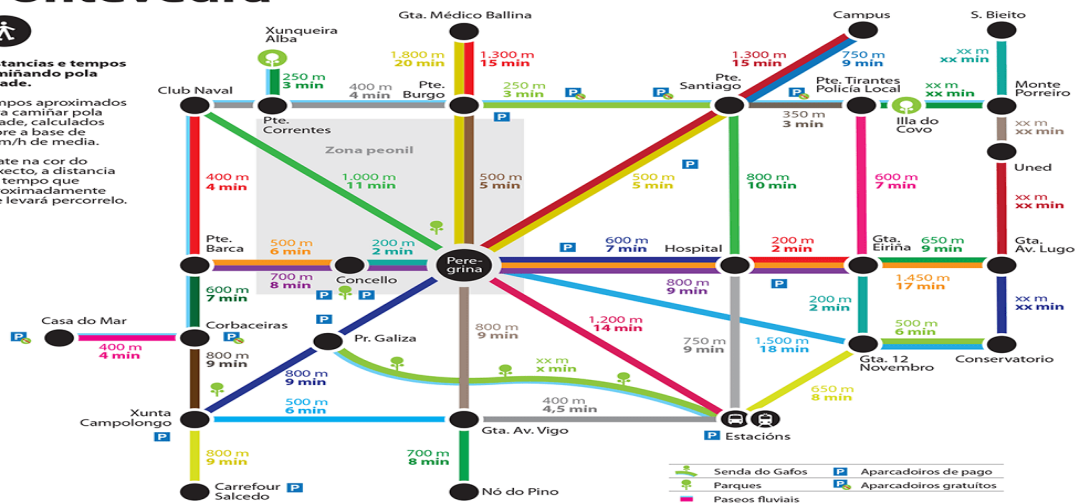
### metrominuto Pontevedra



**Distancias e tempos camiñando pola cidade.**

Tempos aproximados para camiñar pola cidade, calculados sobre a base de 5 km/h de media.

Fixate na cor do traxecto, a distancia e o tempo que aproximadamente che levará percorrelo.



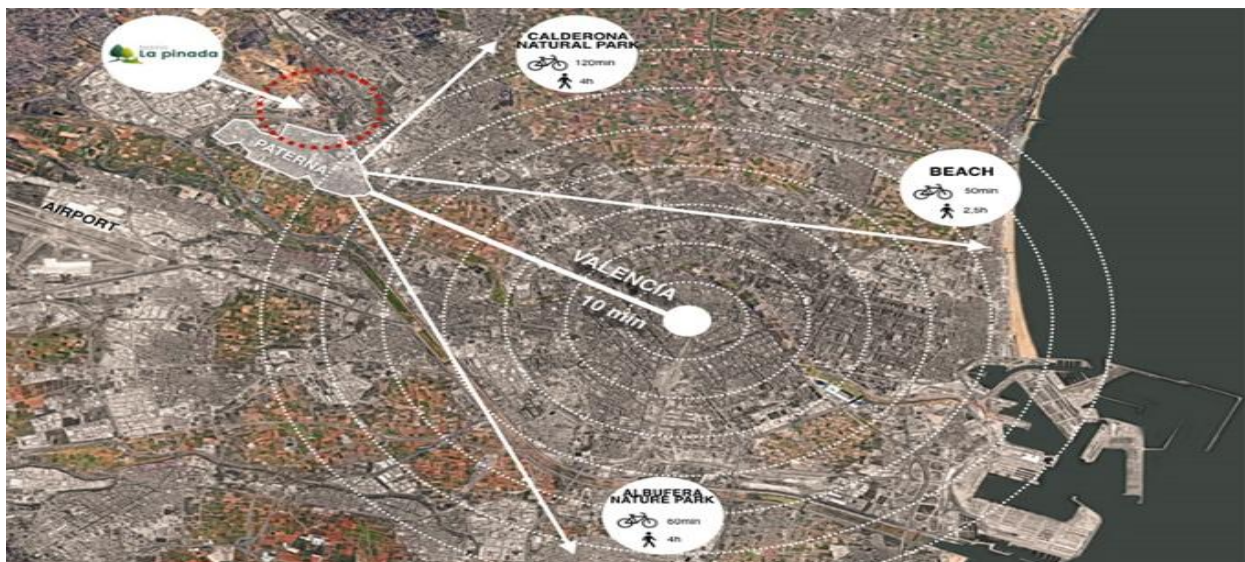
Pontevedra Metrominuto Plan. Departments of Mobility (Central of traffic) and Communication of the Pontevedra City Council

### Eco neighborhood La Pinada (Valencia, Spain)

La Pinada neighborhood cooperative.

The social and ecological neighborhood.

A new social neighborhood that is being built 15 minutes from the center of Valencia, a city located on the east coast of Spain on the Mediterranean Sea. The initiative is carried out by neighbors who form a cooperative in a process of co-creation of the neighborhood.





(above) Situation of the Econeighborhood La Pinada in Valencia, Spain.  
(Photo from Neighborhood La Pinada)

(below) Housing integrated into nature (Photo of Neighborhood La Pinada)

### ANNEX 3: NEW CITIES FOR THE FUTURE

**The Smart Forest City, Cancun, México**

**Stefano Boeri Architeti**

[www.stefanoboeriarchitetti.net](http://www.stefanoboeriarchitetti.net)

[www.visualatelier8.com](http://www.visualatelier8.com)





## The Nodular City

Studio SOM (Skidmore, Owings & Merrill) for National Geographic Magazine

Decentralization and resilience

<https://www.nationalgeographic.com/magazine/2019/04/see-sustainable-future-city-designed-for-people-and-nature/>



## The Woven City (Susono, Japan) SA

Studio BIG (Bjarke Ingells Group) for Toyota Group  
The city of hydrogen and Artificial Intelligence

<https://www.toyota.es/world-of-toyota/articles-news-events/Ciudad-del-futuro-Woven-City-Toyota>



## Cairo New Capital (SOM)

Estudio SOM (Skidmore, Owings & Merrill)

New cities for old capitals

[https://www.som.com/news/som\\_is\\_leading\\_the\\_planning\\_of\\_the\\_capital\\_cairo](https://www.som.com/news/som_is_leading_the_planning_of_the_capital_cairo)



### List of sources

- **The quarter hour city (Paris, France)**

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<http://www.moreno-web.net/la-ciudad-del-cuarto-de-hora-por-un-nuevo-crono-urbanismo/>

- **The city of Superblocks (Barcelona, Spain)**

Barcelonas's Town Hall Urban Mobility Plan 2013-2018

<https://barcelonarchitecturewalks.com/superblocks/>

- **The Great Bilbao (Bilbao, Spain)**

SPRI, Basque Business Development Agency. Basque Government

[https://www.bilbao.eus/cs/Satellite?c=Page&cid=3000005415&pagename=Bilbaonet/Page/BIO\\_home](https://www.bilbao.eus/cs/Satellite?c=Page&cid=3000005415&pagename=Bilbaonet/Page/BIO_home)

<https://www.spri.eus/es/>

- **Green Madrid (Madrid, Spain)**

Madrid Centro Project. Municipal Strategic Plan of Madrid. Government Area for Urbanism and Housing of the Madrid City Council. (Jose María Ezquiaga, Juan Herreros, Salvador Pérez Arroyo, 2009-2010)

Metropolitan Forest of Madrid. Madrid City Council Urban Development Area.

[www.madrid.es](http://www.madrid.es)

<https://www.espormadrid.es/2020/07/concurso-de-ideas-de-diseno-del-bosque.html>

- **The Historical Pedestrian Center (Pontevedra, Spain)**

Pontevedra Metrominuto Plan. Departments of Mobility (Central of traffic) and Communication of the Pontevedra City Council

<http://metrominuto.pontevedra.gal/es/>

Eco neighborhood La Pinada (Valencia, Spain)

La Pinada neighborhood cooperative.

<https://www.barriolapinada.es/>

- **The Smart Forest City, Cancun, México**

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[www.visualatelier8.com](http://www.visualatelier8.com)

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