

# Barcelona 5.0

production, talent & networks,  
regenerating the cities of the future

**XVIIIth**

**XIXth**

**XXth century...**

**DWELLING**



**MACHINE FOR LIVING**



**CITY**



**MACHINE FOR  
"PRODUCING & CONSUMING"**



**1350-1705**



**1716-1854**



**1855-1920**



**TODAY**

Barcelona, a history of  
production, socialization and  
changes





LE PLAN DE BARCELONNE  
ET DE SES ENVIRONS.  
*Très-exactement Levés sur les Lieux, par un Ingenieur,  
en 1706. Mis au jour,  
à Amsterdam par Nicolas Visscher, avec Privilège.*

PLATTE GROND, DER STERCKE STAD, en CASTEEL  
BARCELONA,  
*En de omleggende Plaatsen, naa t' Orgineel  
geteekent, en uut gegeven tot Amstelaam  
door Nicolaus Visscher, met Privilègie.*

Echelle de quatre cent Toises.  
50 100 200 300 400

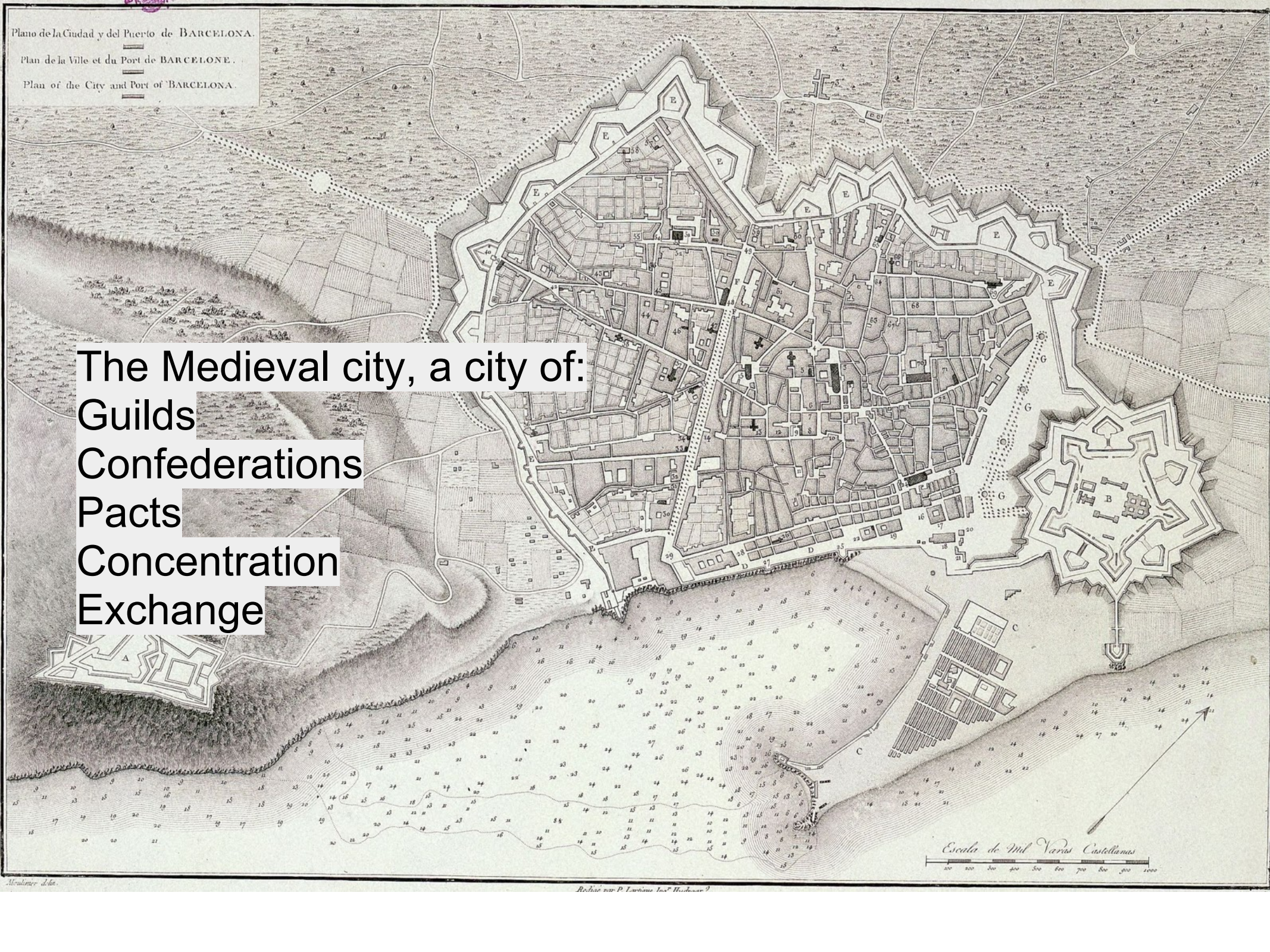
A network of sharing products  
and goods

M E R M E D I T E R R A N E E



Plano de la Ciudad y del Puerto de BARCELONA.  
 Plan de la Ville et du Port de BARCELONE.  
 Plan of the City and Port of BARCELONA.

The Medieval city, a city of:  
 Guilds  
 Confederations  
 Pacts  
 Concentration  
 Exchange



Escala de Mil Varas Castellanas  
 100 200 300 400 500 600 700 800 900 1000

M. de la Cruz del. Relieve por P. Luviano Insc. H. de la Cruz



Plano de la Ciudad y del Puerto de BARCELONA.  
Plan de la Ville et du Port de BARCELONE.  
Plan of the City and Port of BARCELONA.

Growing inside  
empowerment of  
exchange and local  
networks



safety ring of the city

Escala de Mil Varas Castellanas  
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Plano de la Ciudad y del Puerto de BARCELONA.  
Plan de la Ville et du Port de BARCELONE.  
Plan of the City and Port of BARCELONA.

insanity

politics

people

collapse

bank

public services

mass production

cosmopolitanism

industrial revolution

analphabetism

church

ideology

elite

knowledge

tradition

influence

class conflict

capital of Catalonia

industrial capital of Spain

university

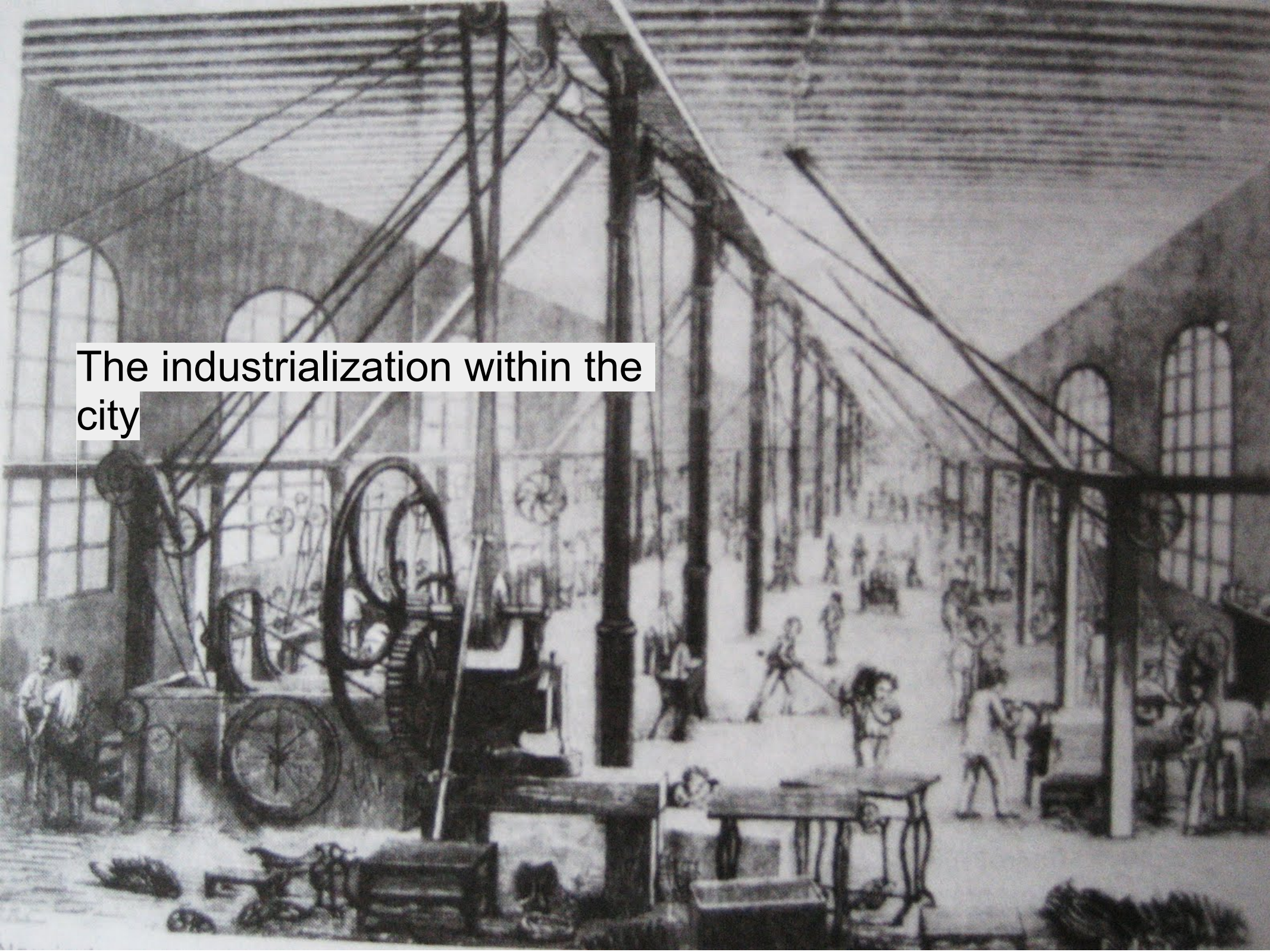
housing problems

anticlericalism

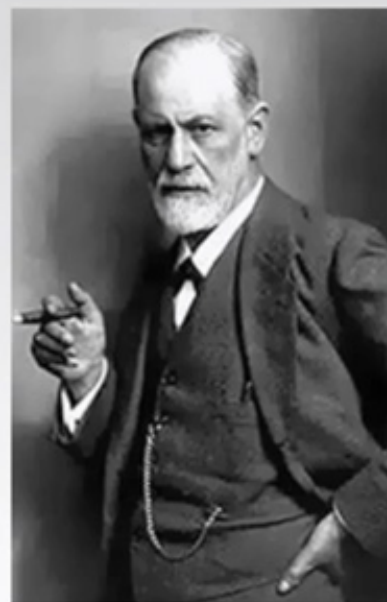
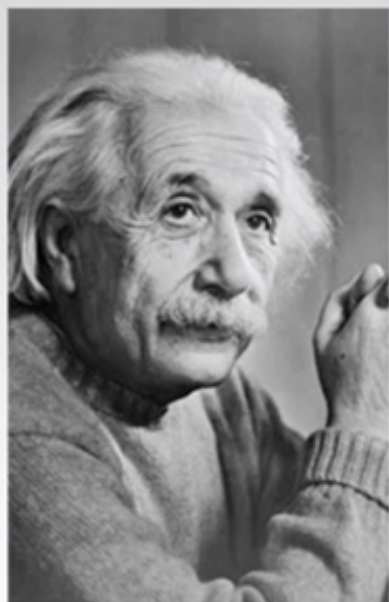
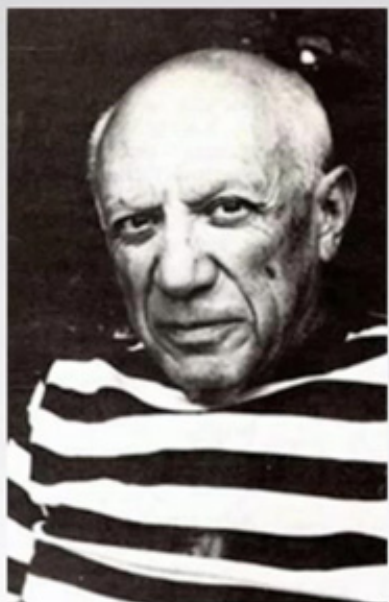
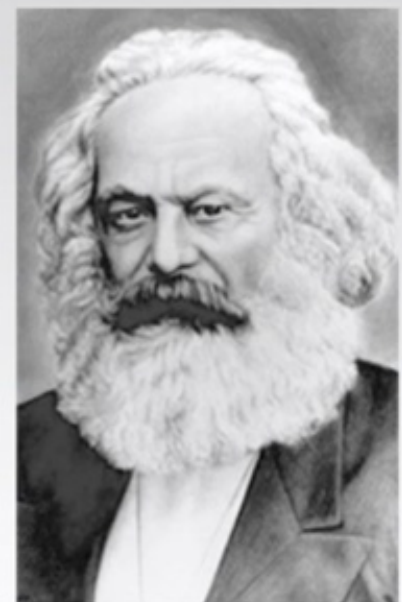
Escala de Mil Varas Castellanas  
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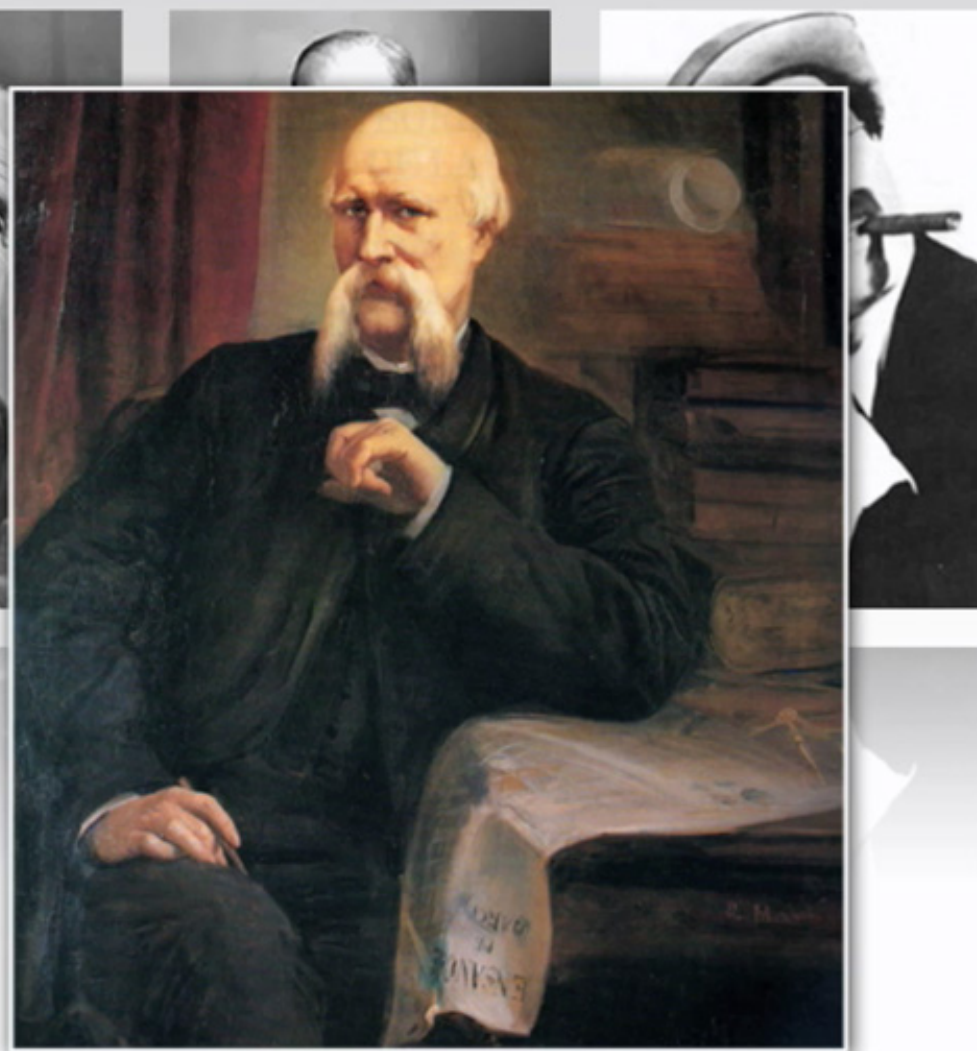
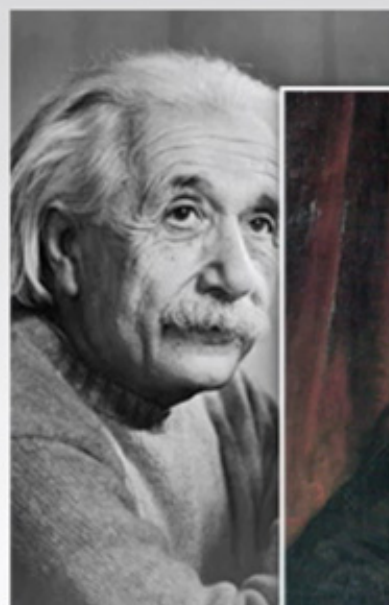
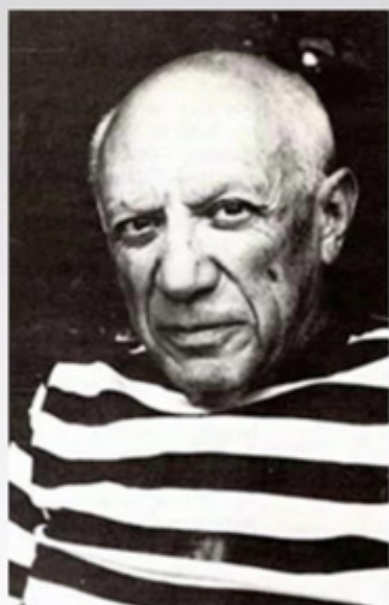
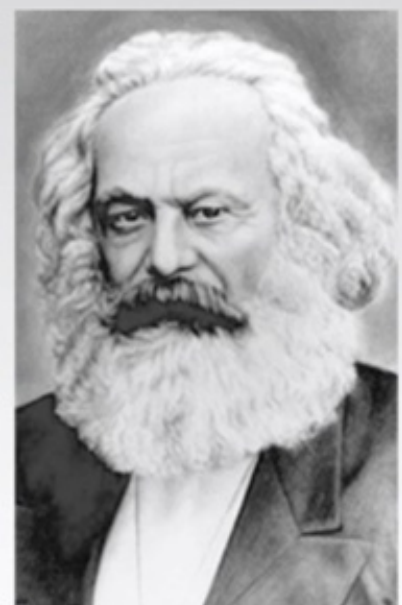
The industrialization within the city







# Prophets



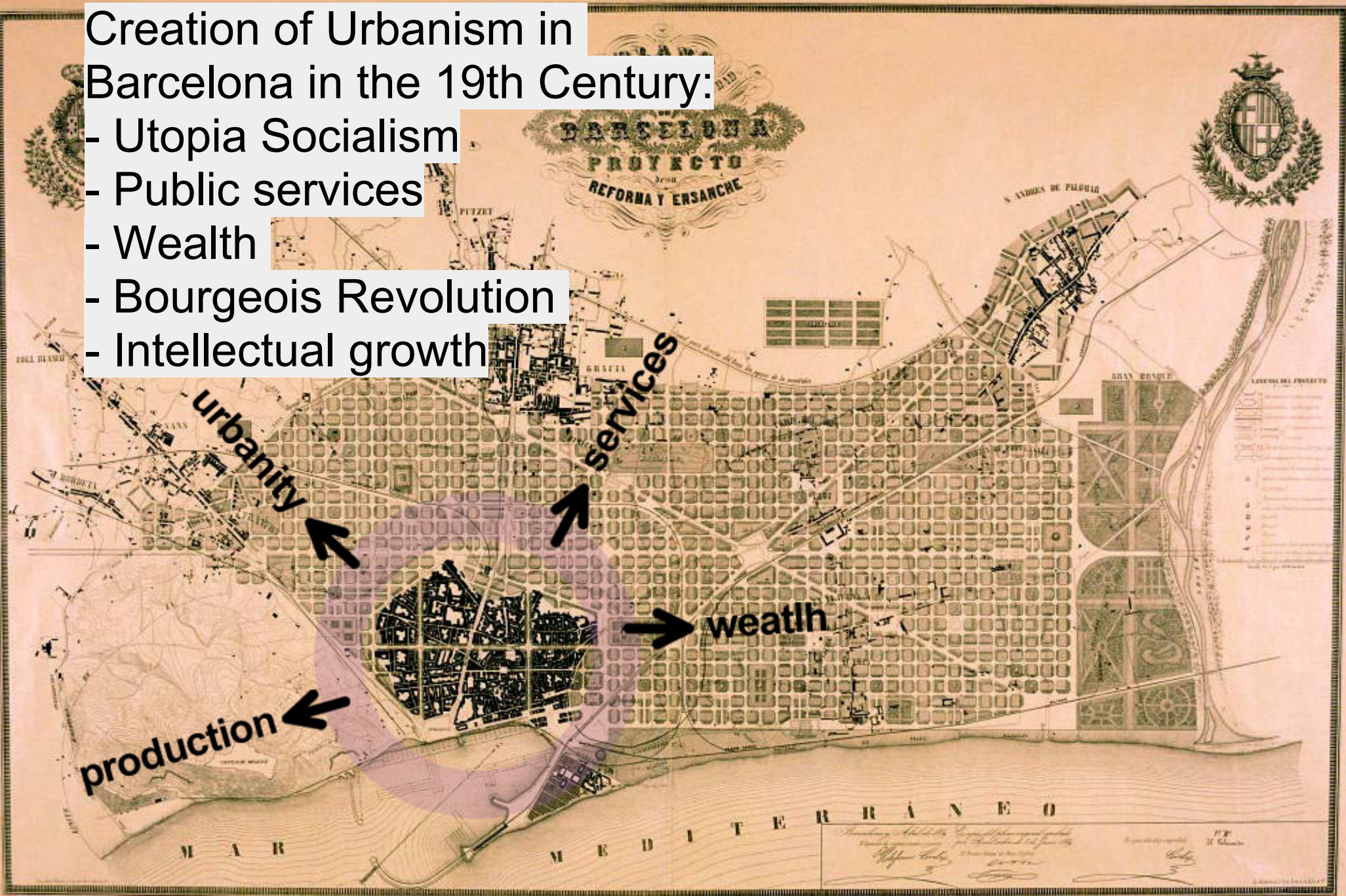
Ildefons Cerdà

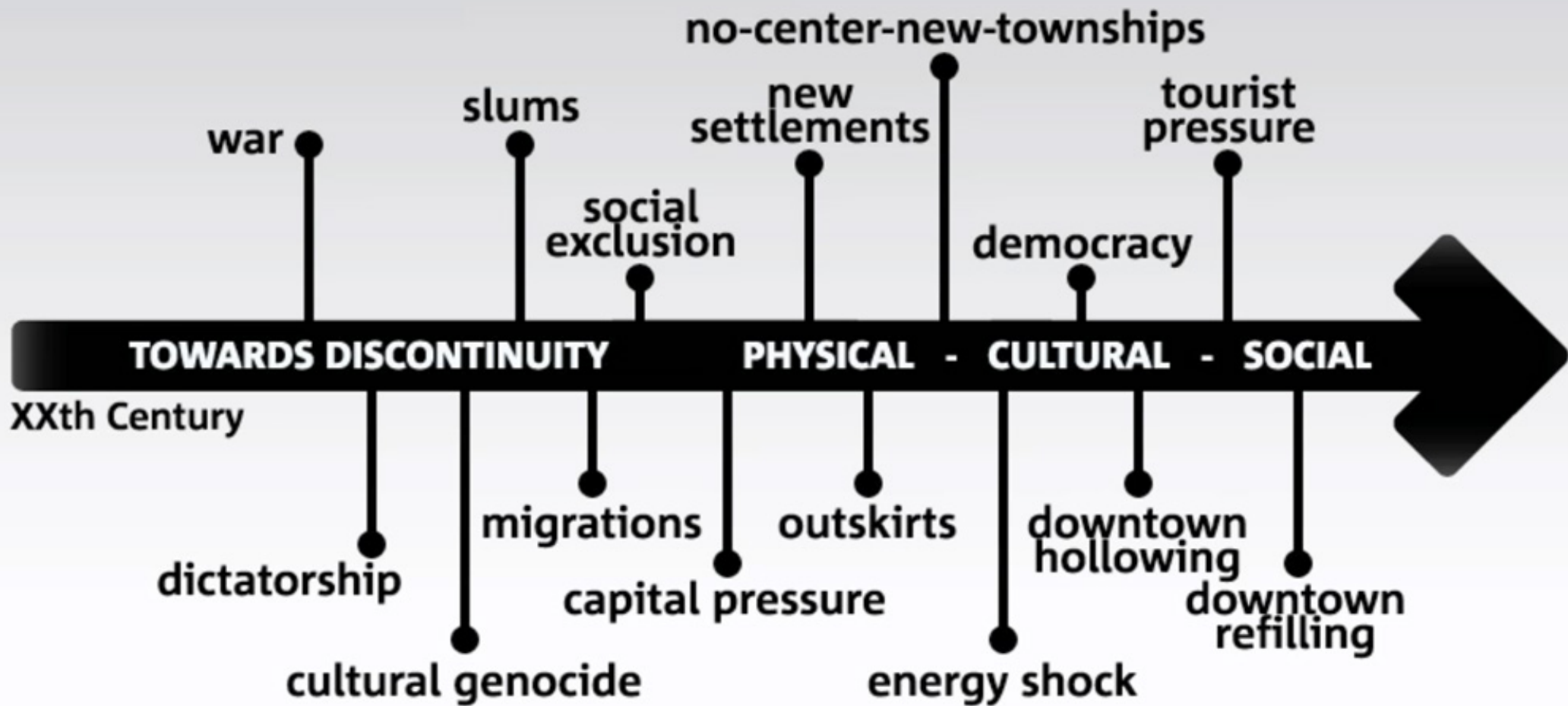
# Prophets



# Creation of Urbanism in Barcelona in the 19th Century:

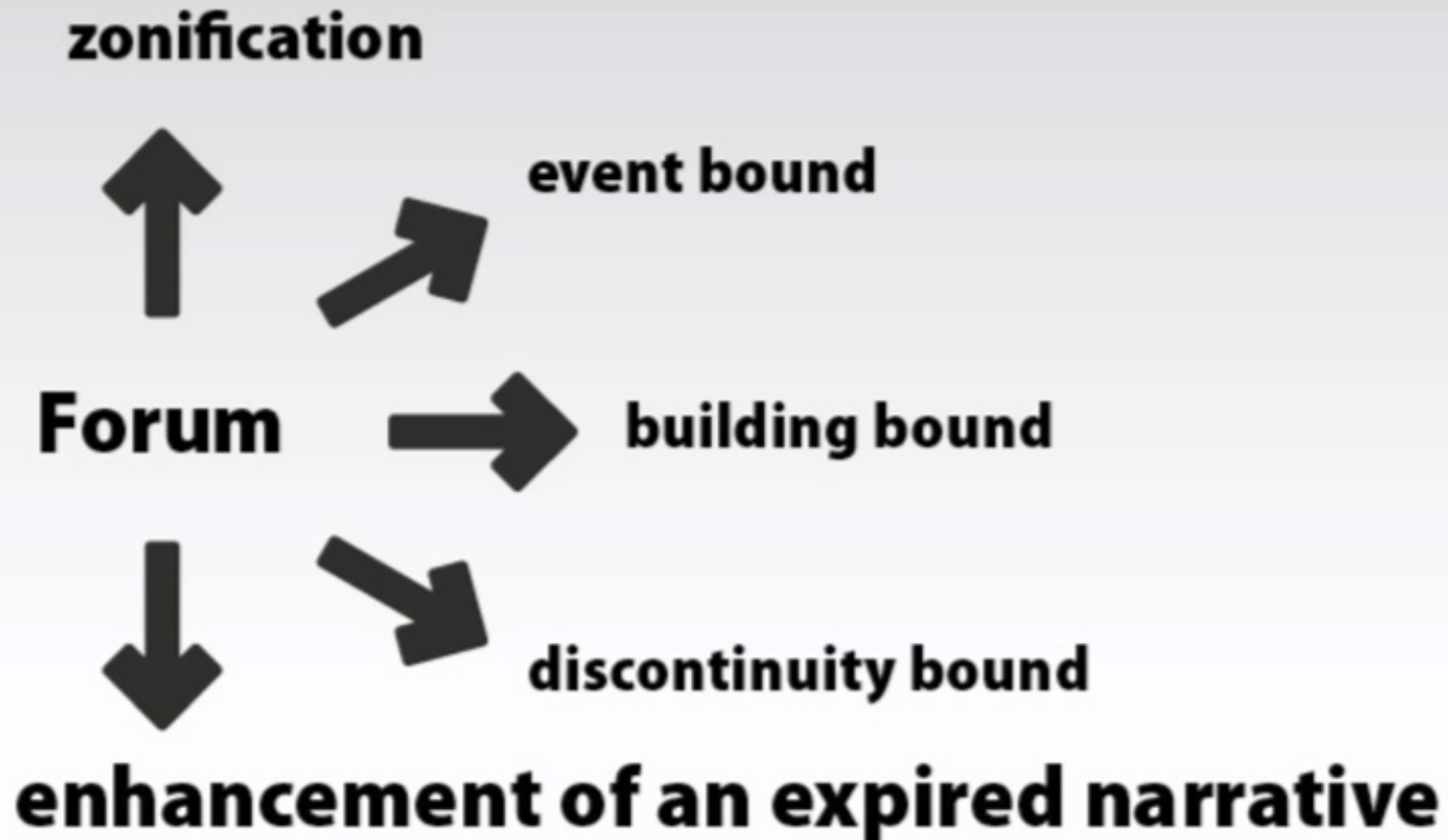
- Utopia Socialism
- Public services
- Wealth
- Bourgeois Revolution
- Intellectual growth







# BARCELONA... WE TRIED... WE FAILED





A city based on tourism,  
spectacle and culture  
with a show-  
business architecture  
and urban planning





The recent changes in Barcelona have been morphological, geometrical and spatial, based on speculative models.

PITO: Product In, Trash Out



The future is in the optimization of networks,  
the value of knowledge and energy  
production and sharing, based on intelligent  
networks of people and things

DIDO: Data In, Data Out.



**BARCELONA CITY HABITAT=  
NATURE +  
INFRASTRUCTURES +  
URBANISM +  
ITC**





# THE CHALLENGE: CREATION OF COMMODITIES WITHIN THE CITY



**CLEAN ENERGY**



**NATURE**



**SUSTAINABLE MOBILITY**



**RESEARCH COMPROMISED WITH NATURE**



**TECHNOLOGY**



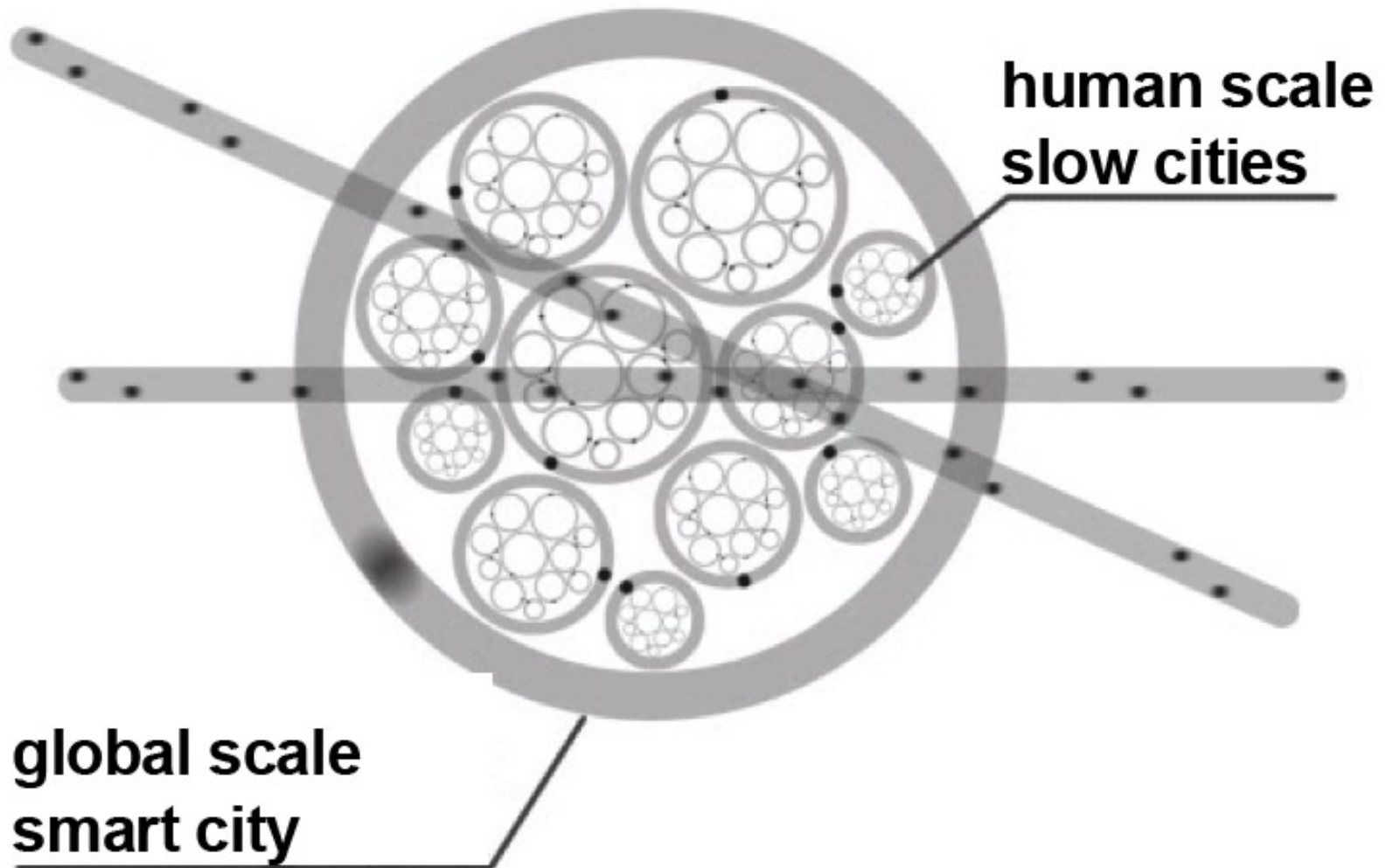
**RE-USE OF WASTE**



**SERVICES**



# CITY OF MULTIPLE SPEEDS AND SCALES





# **CITY AS A PRODUCTION CENTER**

**How can we envision the Barcelona of tomorrow?**

**Can we empower the networks of productive citizens?**

**Are there platforms for sharing, production and innovation?**

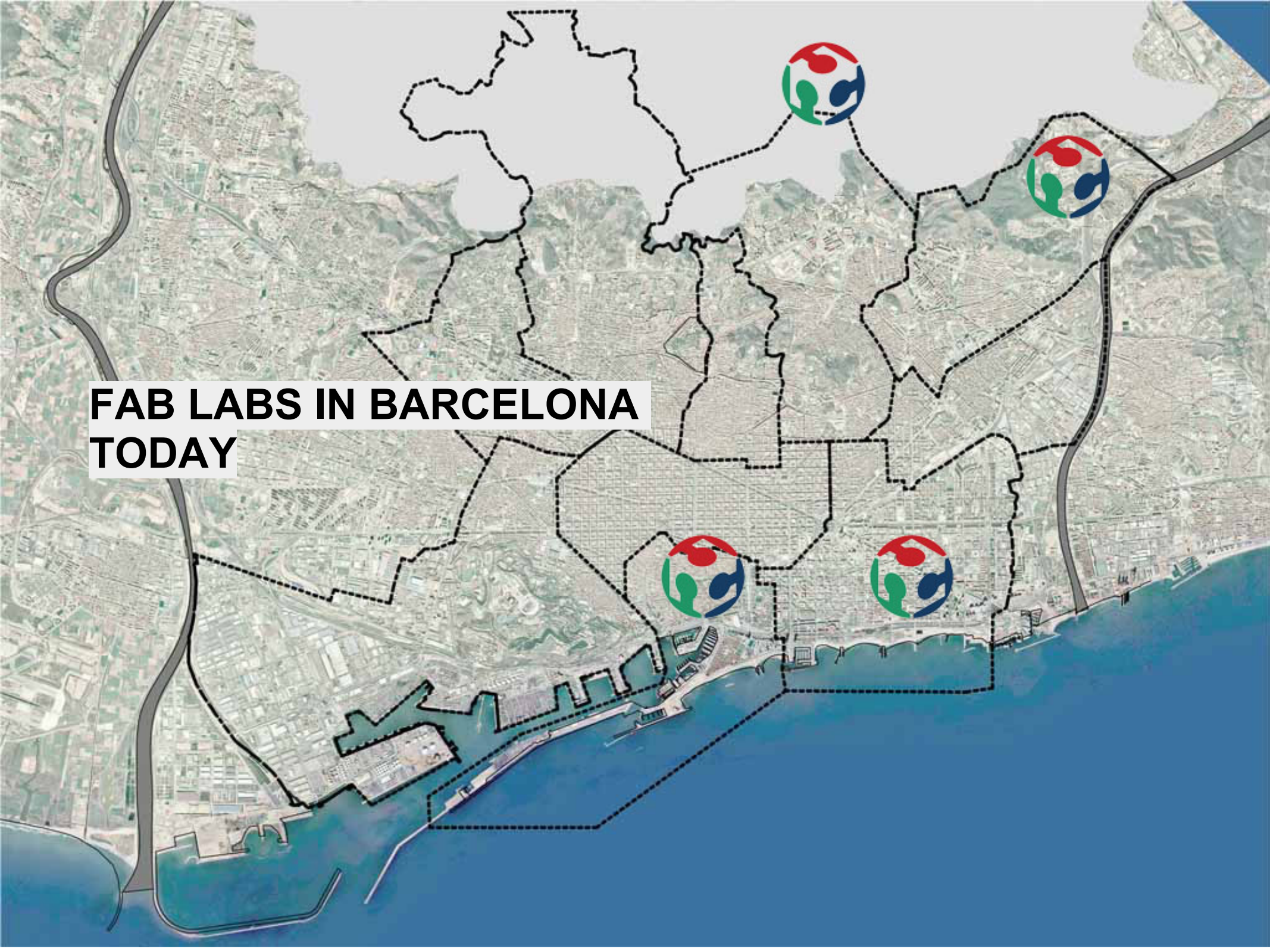
**Do our cities produce knowledge?**

**Is the digital era finished?**

**Are we entering in the prosumer era?**

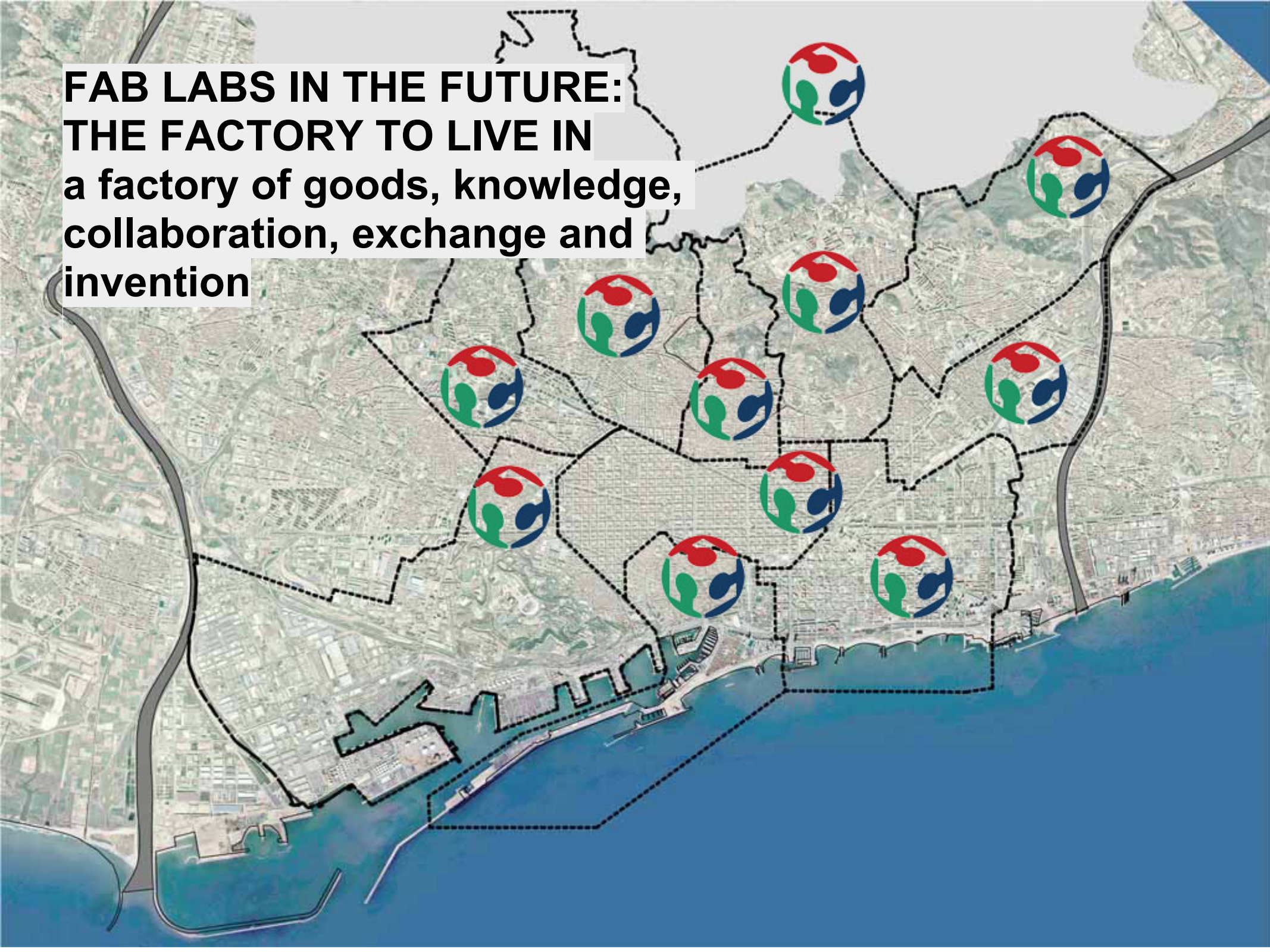


# FAB LABS IN BARCELONA TODAY



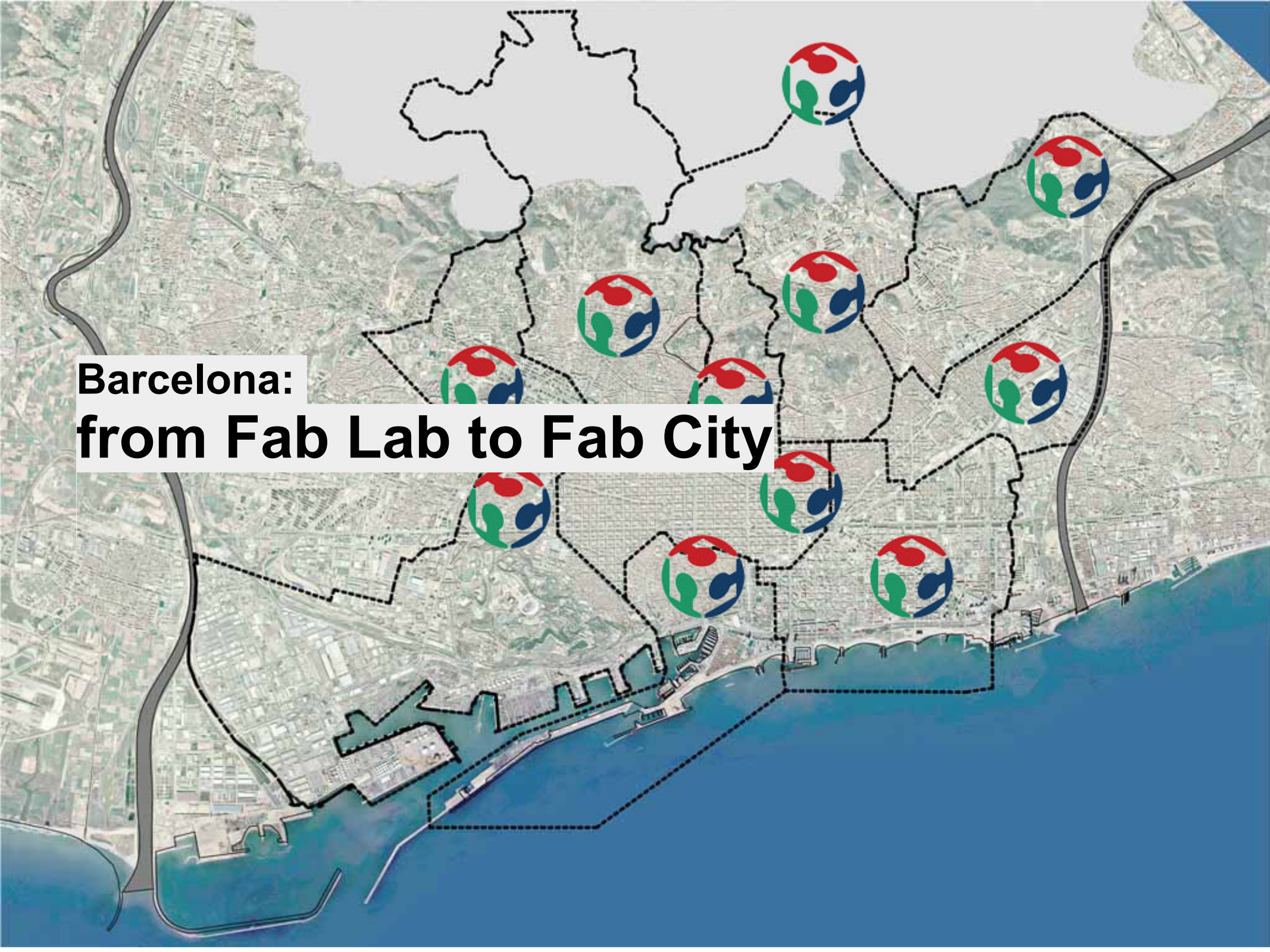


**FAB LABS IN THE FUTURE:  
THE FACTORY TO LIVE IN**  
a factory of goods, knowledge,  
collaboration, exchange and  
invention



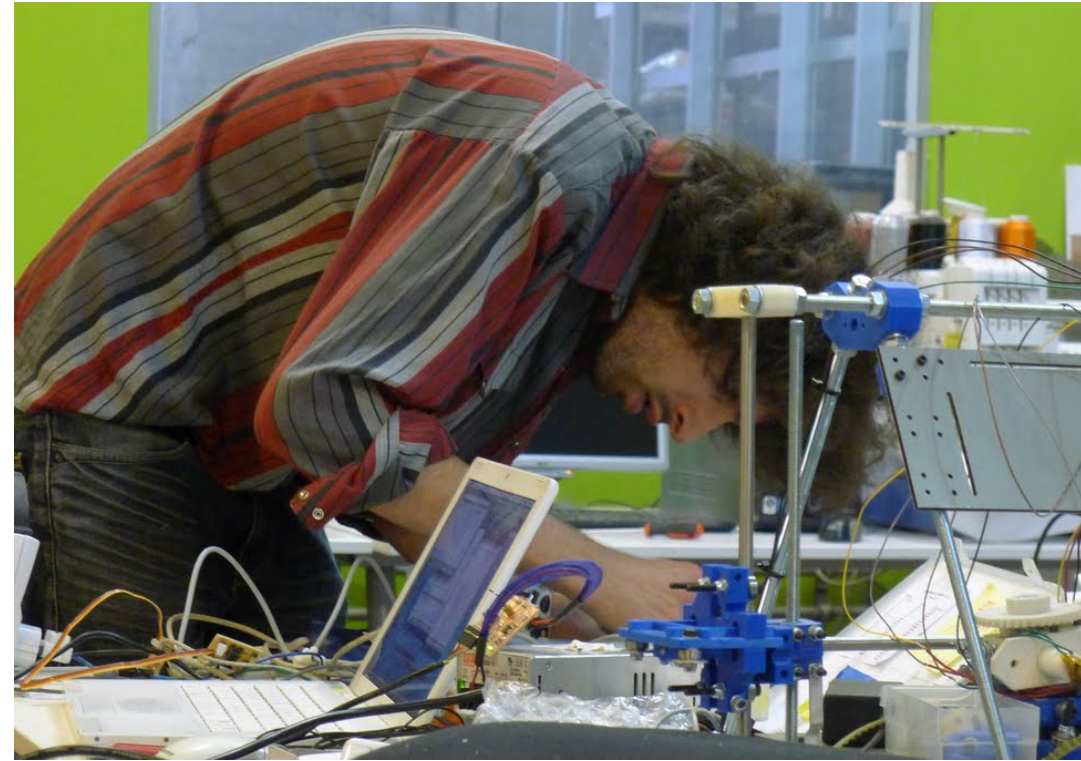


**Barcelona:  
from Fab Lab to Fab City**



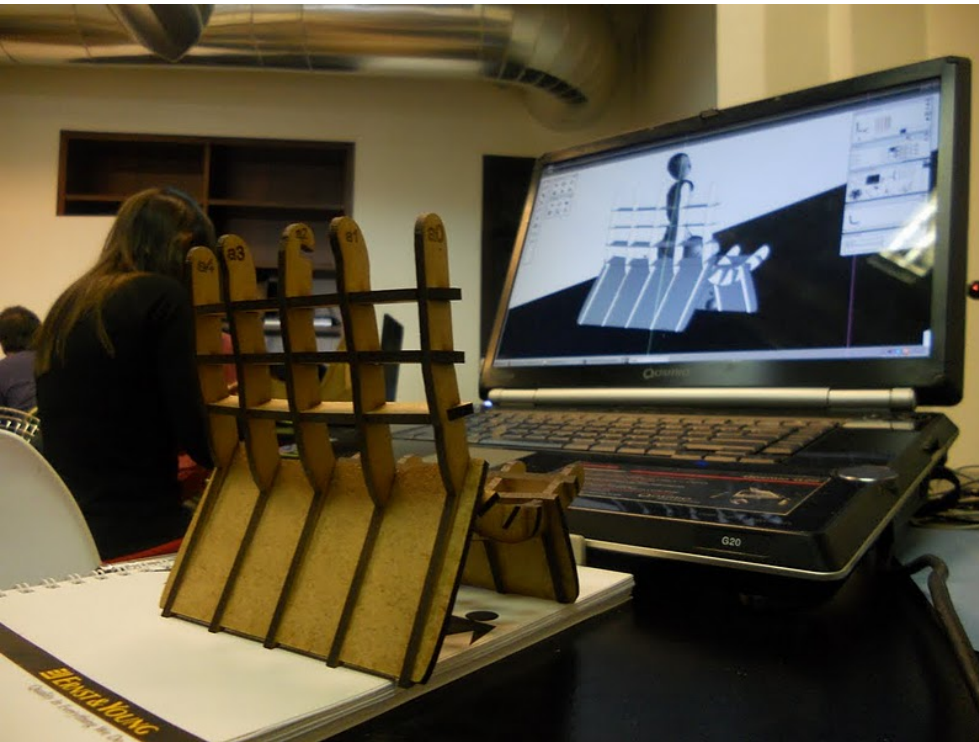


# PRODUCTION OF TALENT AND KNOWLEDGE





# PRODUCTION OF GOODS AND SERVICES

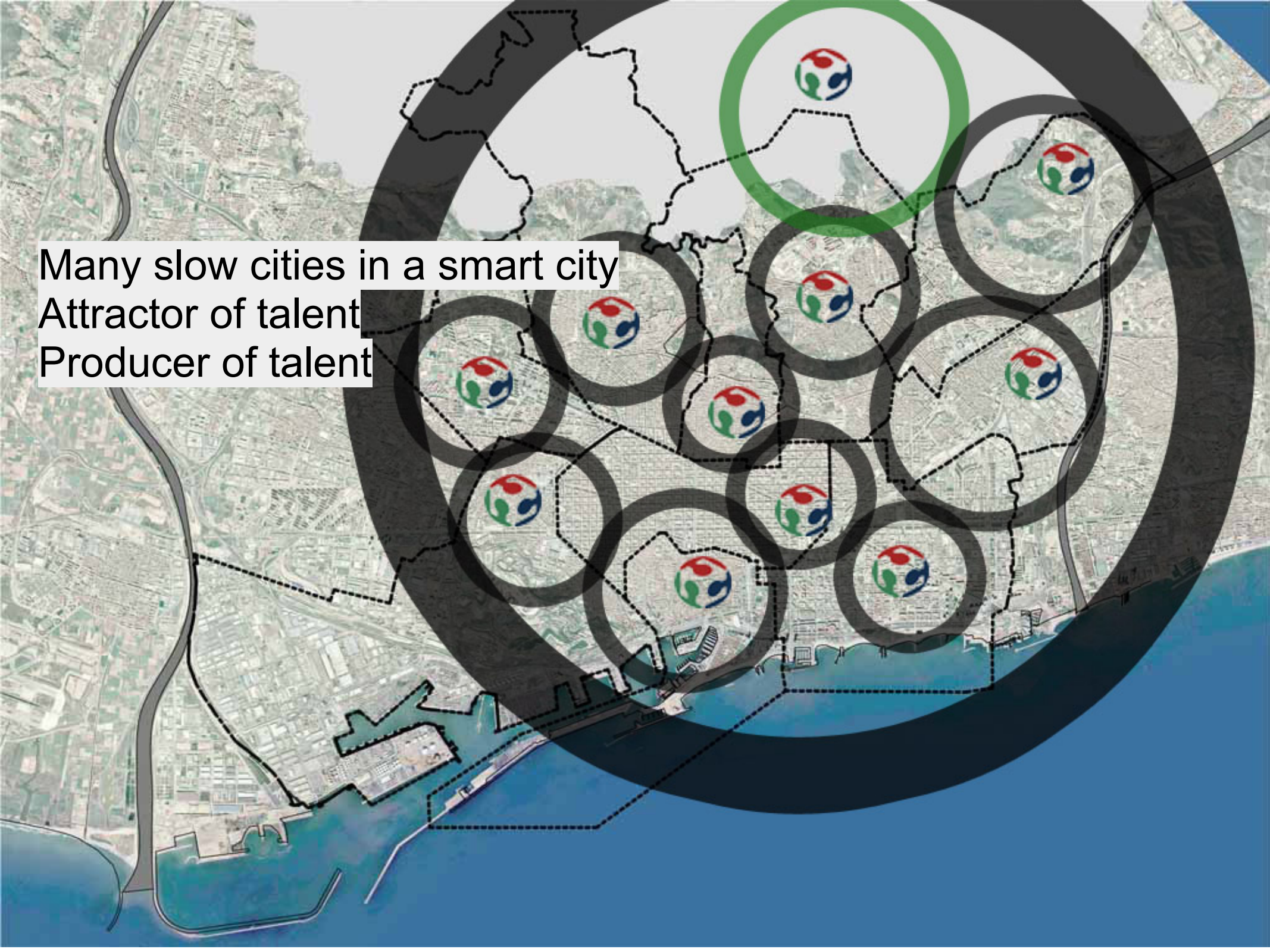








Many slow cities in a smart city  
Attractor of talent  
Producer of talent









# From Fab Cities to Fab World

