Fab City Dashboard

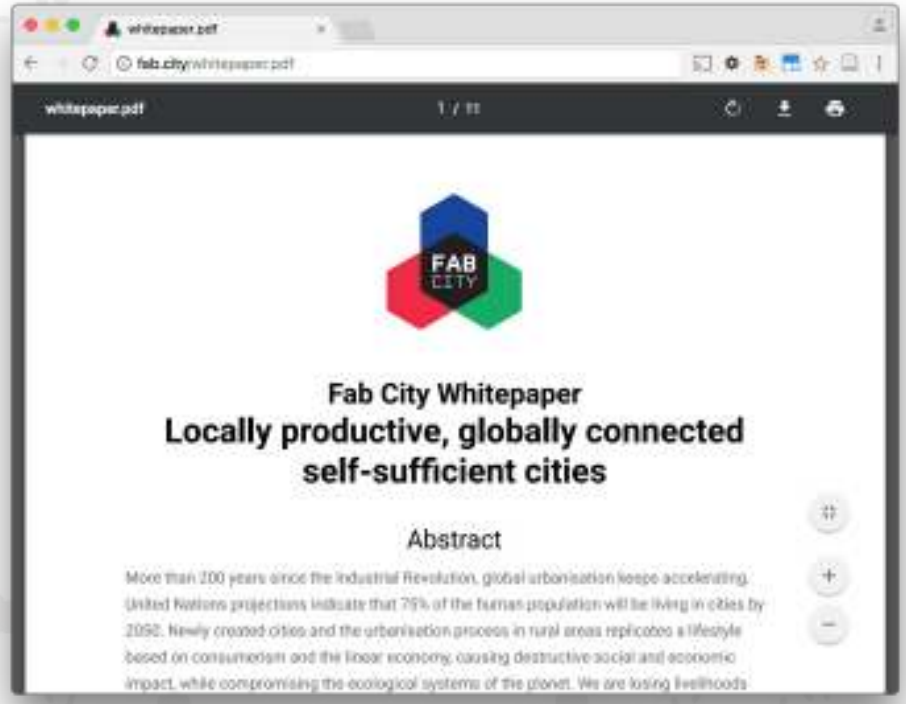
Visualizar'16

FAB CITY RESEARCH LABORATORY

Iaac | FAB LAB BARCELONA

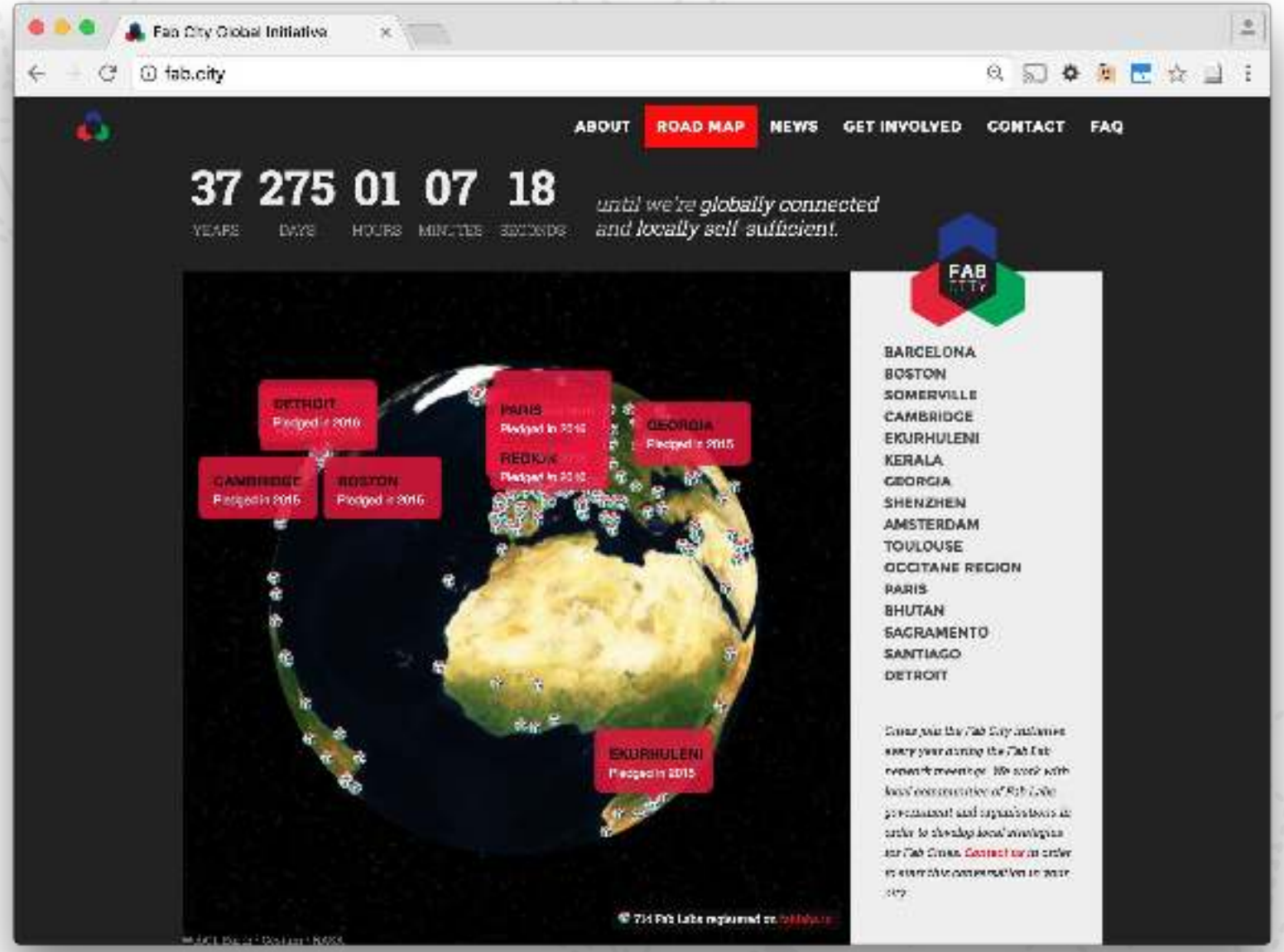
Makers: people, laboratories, technologies, …

(Source: https://www.flickr.com/photos/aaltofablab/9458872118/in/album-72157635386143531/)



A global project for the development of locally productive and globally connected self-sufficient cities.

http://fab.city/



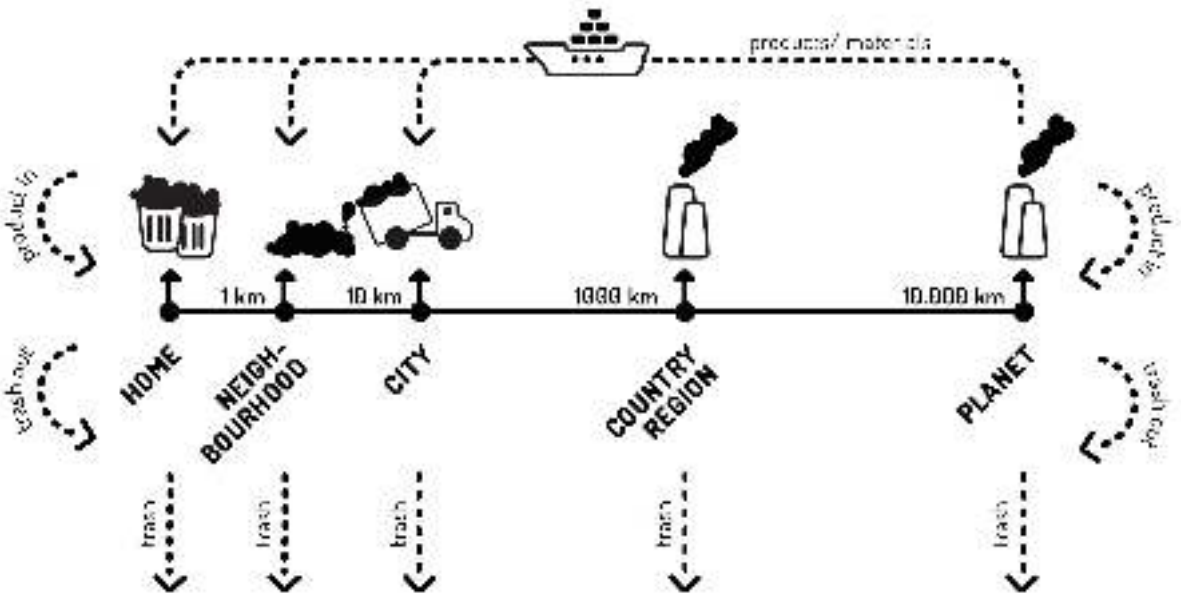
A global project for the development of locally productive and globally connected self-sufficient cities.

http://fab.city/

From PITO

[product in trash out]

The city as a linear trash machine.

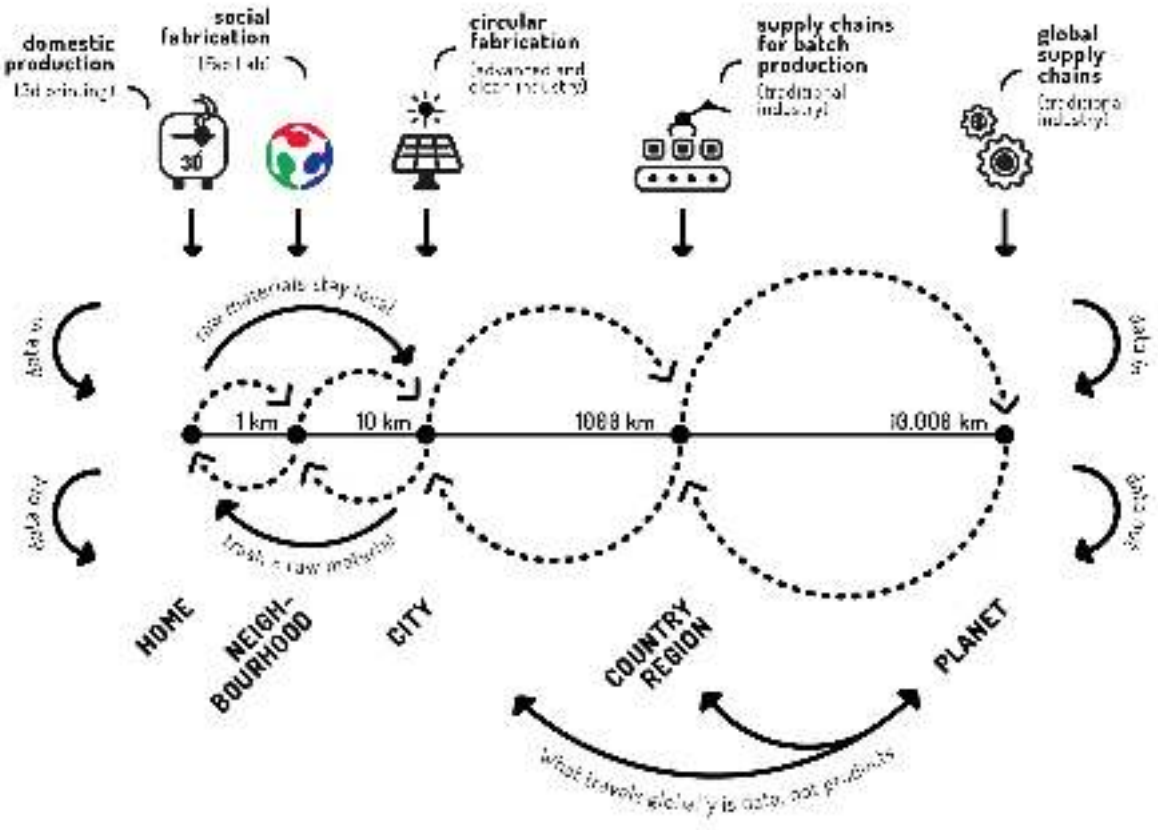


[products and materials travel thousands of miles to become waste, leaving massive ecological and social footprints behind]

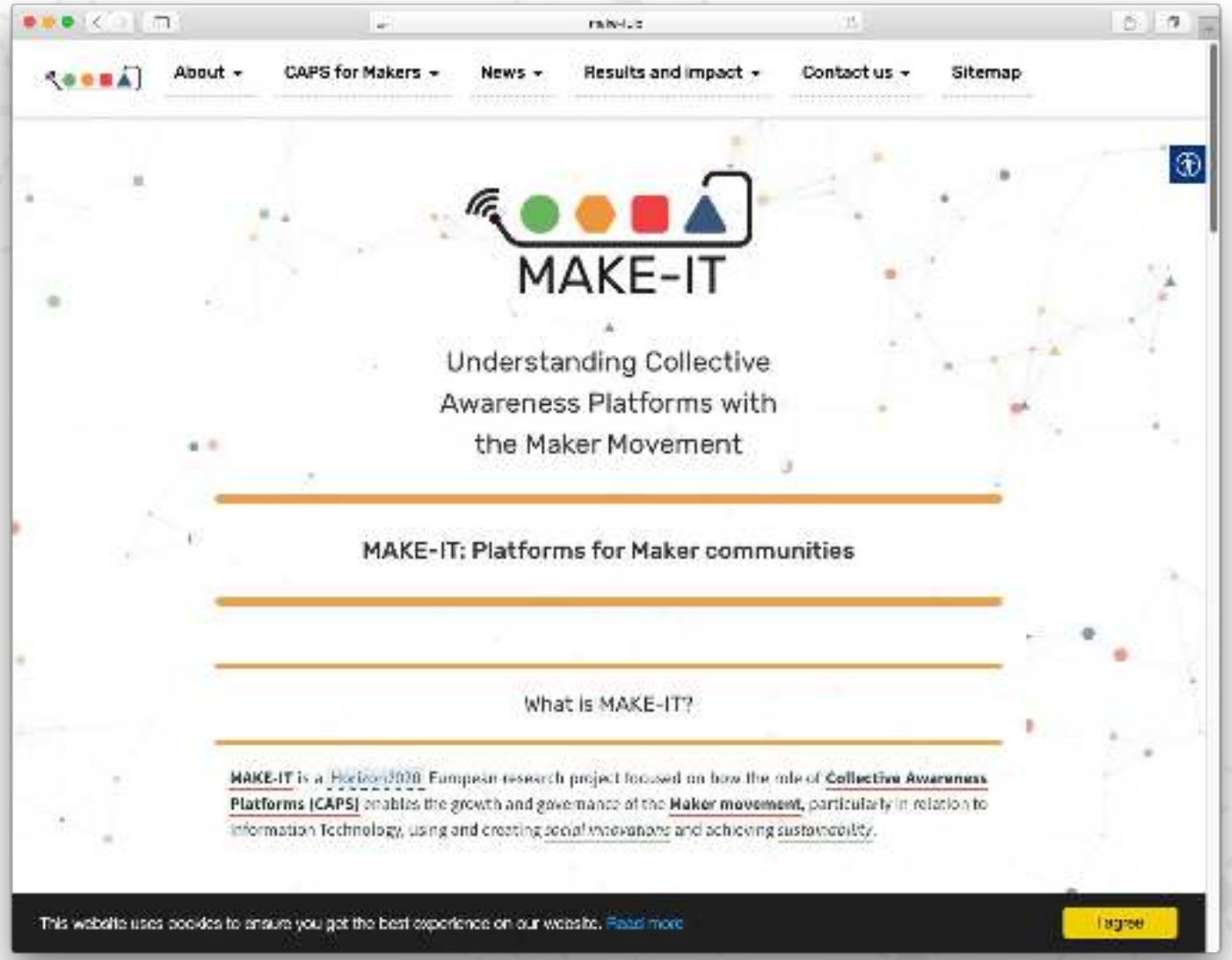
To DIDO

[data in data out]

City's imports and exports are data, not products or materials.



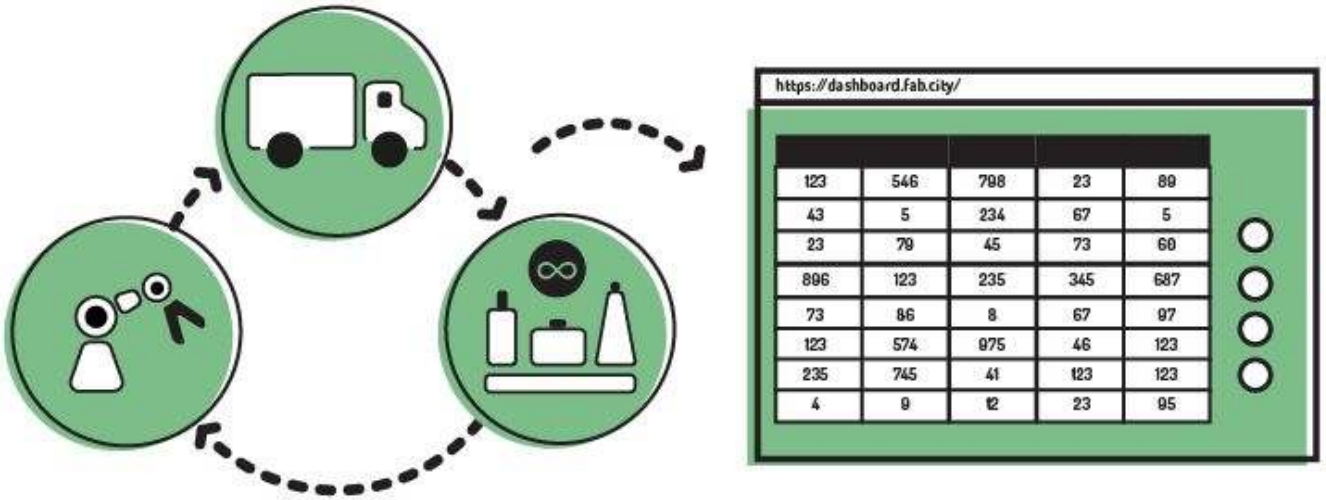
[resilience increases / energy consumption and carbon emissions are drastically reduced / raw materials and fabrication stay local]



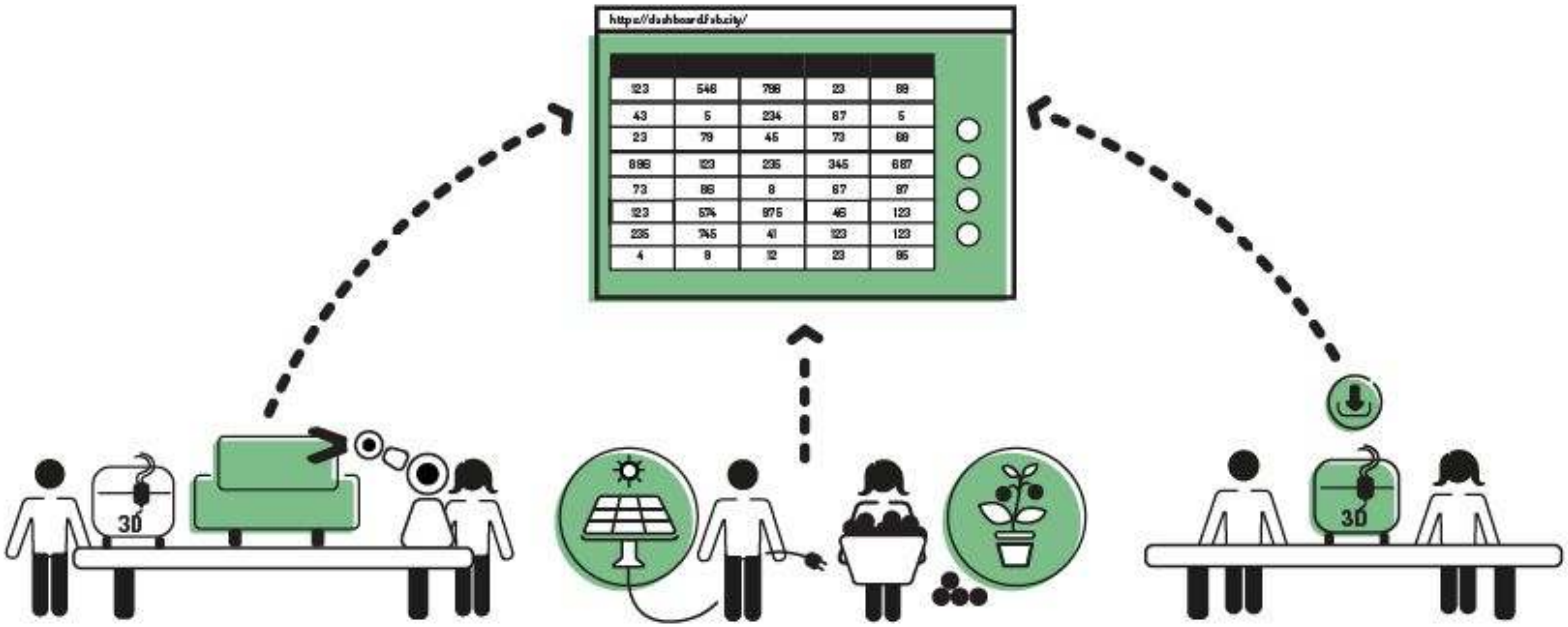
… and about participation and governance in Maker communities …

http://make-it.io/

Fab City Dashboard



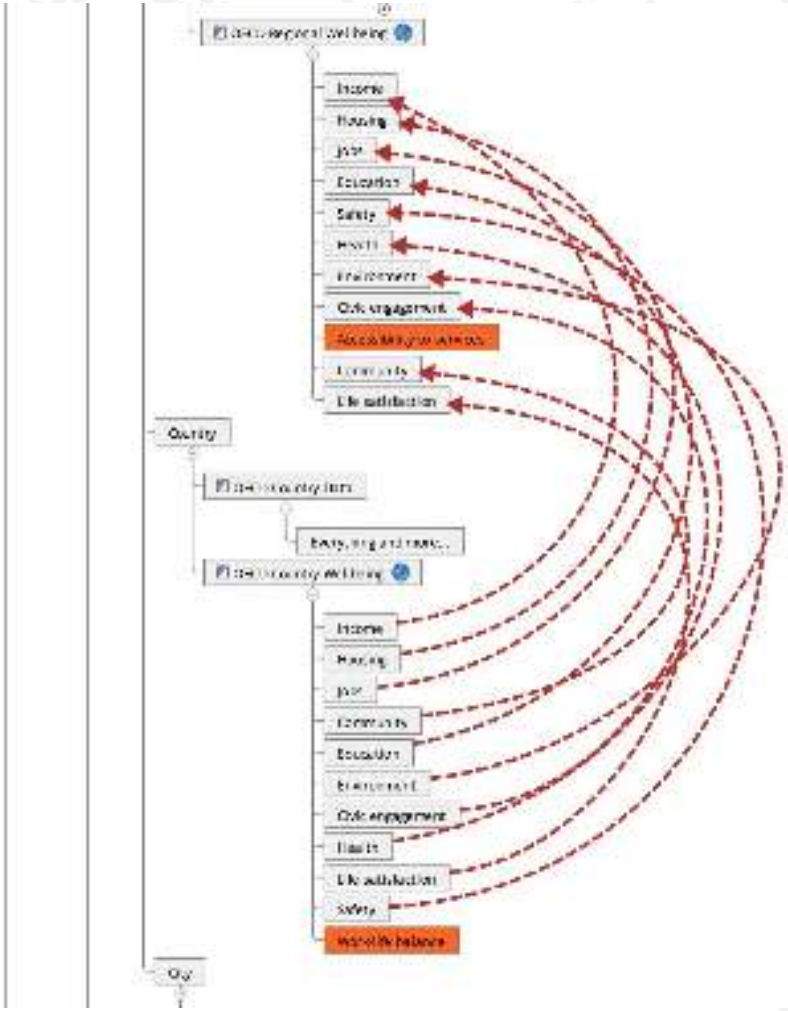
What is the resilience of a city regarding its manufacturing, distribution and consumption of goods?
What is the role of citizens in shaping a Fab City with **open, distributed and collaborative projects** and making activities in the city?

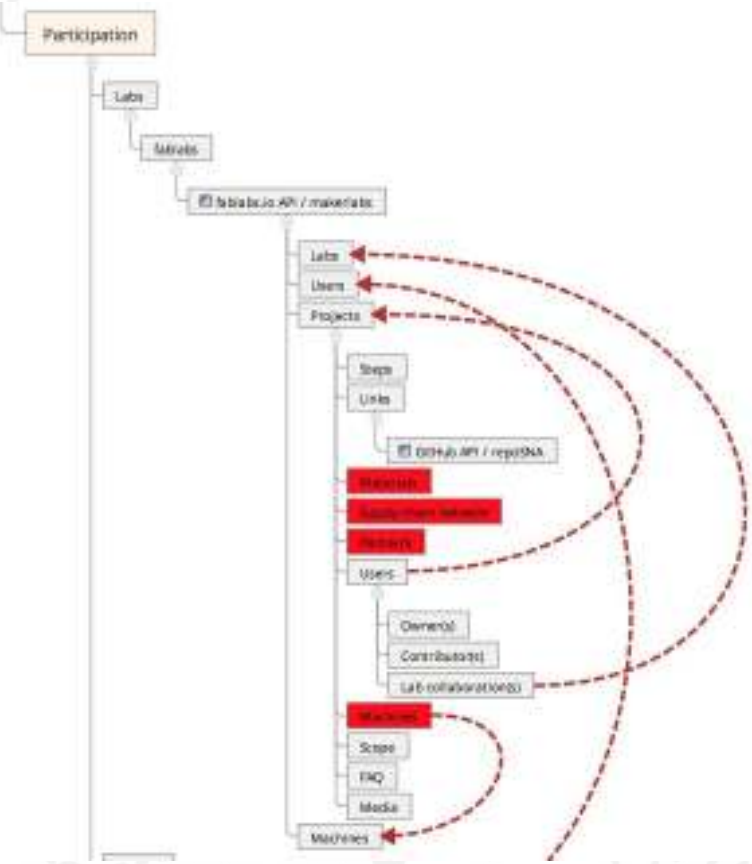


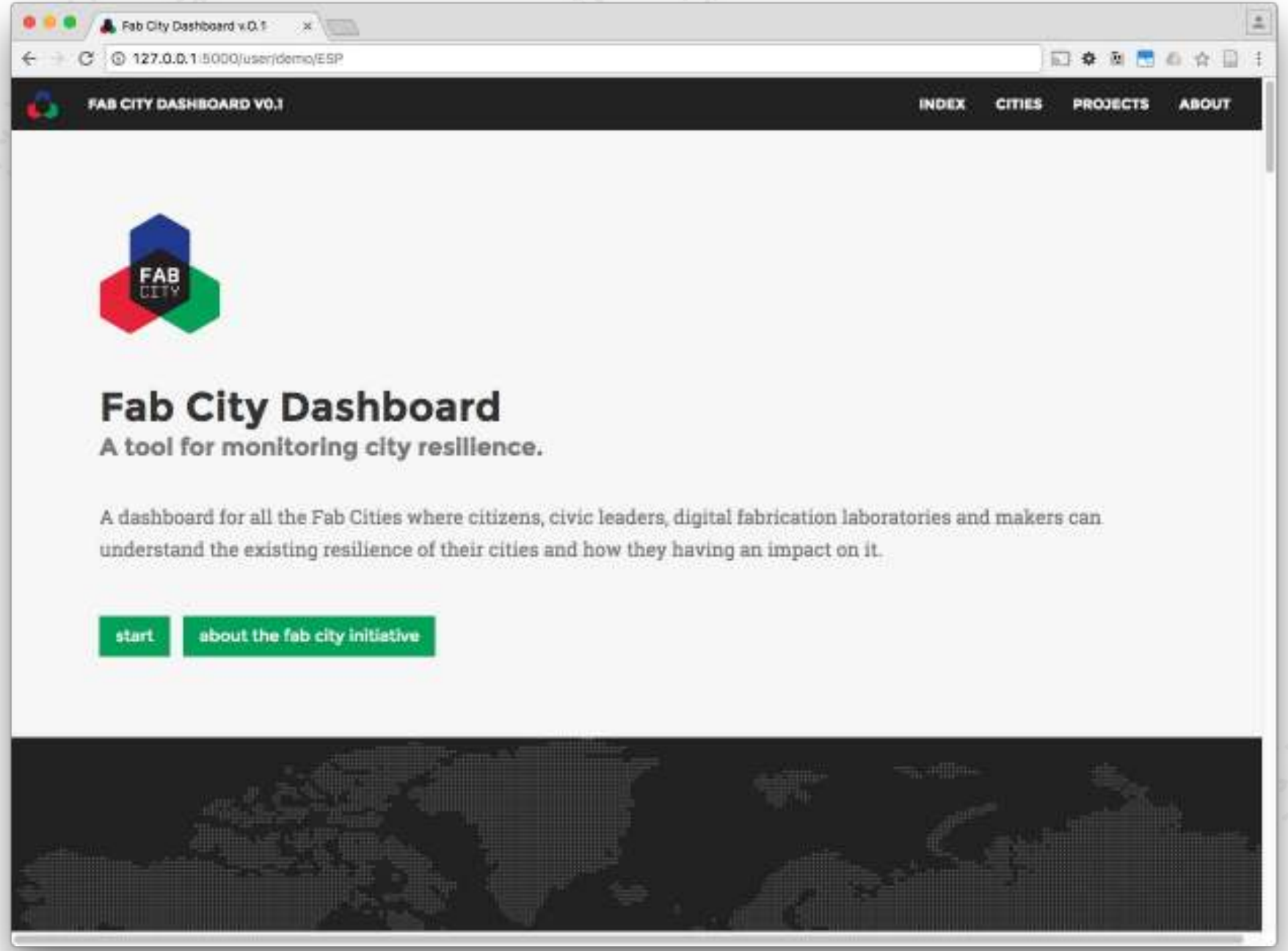
A dashboard where citizens can understand **the existing resilience of cities** and how **the Maker movement** and its projects is having an impact on this.

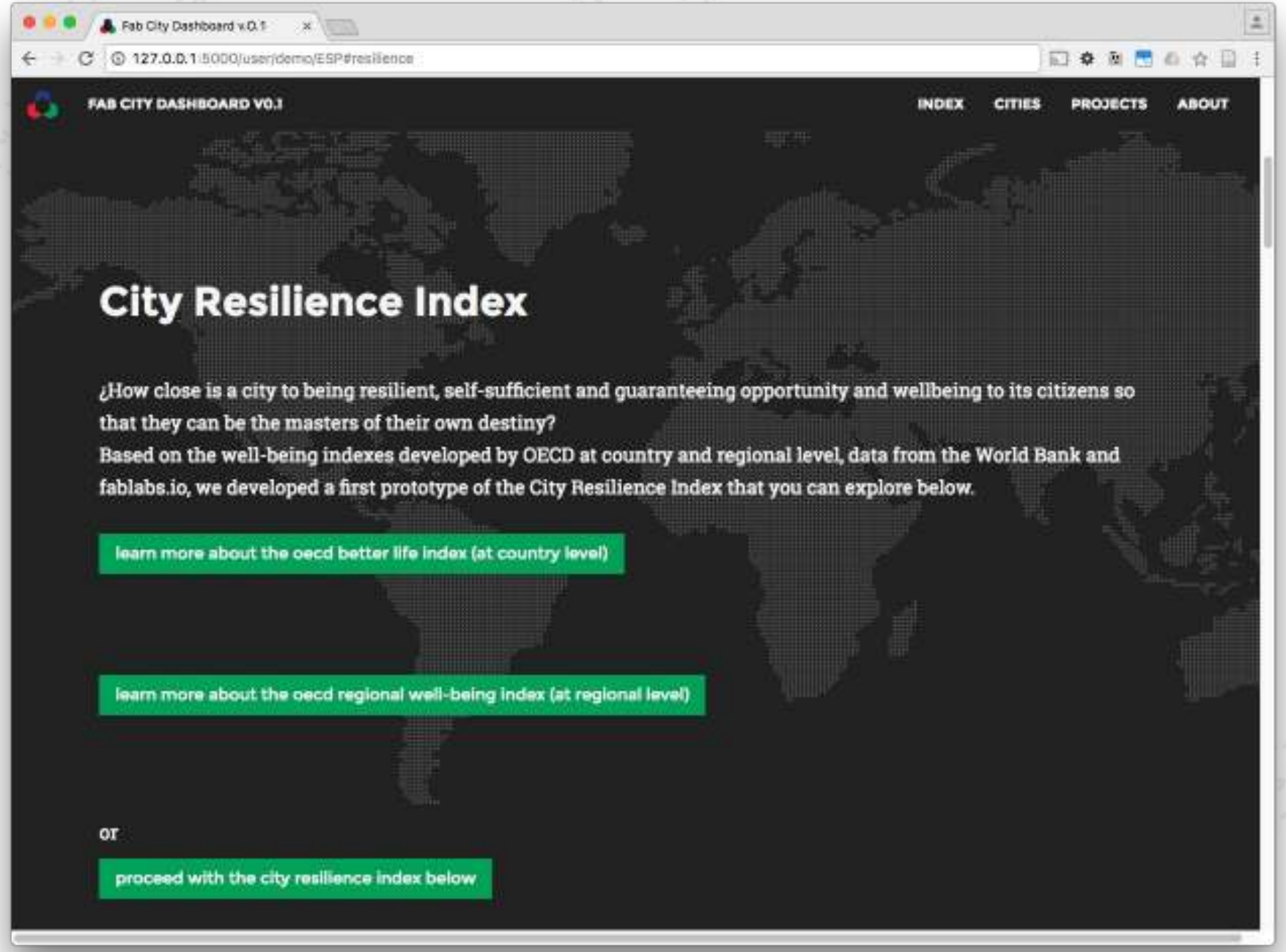
Arup - Rockfeller Foundation / OECD

http://join.cityresilienceindex.org/ - http://www.oecdbetterlifeindex.org/ - https://www.oecdregionalwellbeing.org/


Income
Housing
Education
Safety
Environment
Civic engagement
Community
Life satisfaction
Country
Income
Housing
Community
Education
Environment
Civic engagement
Health
Life satisfaction
Safety
Work-life balance
City


Participation
Labs
fabrabs
fabrabs.io API / makerlabs
Labs
Users
Projects
Steps
Units
Users
Owner(s)
Contributor(s)
Lab collaboration(s)
Machines
Scope
FAQ
Media
Machines


Fab City Dashboard v.0.1
127.0.0.1:5000/user/demo/ESP
FAB CITY DASHBOARD V0.1
INDEX
CITIES
PROJECTS
ABOUT
FAB CITY
Fab City Dashboard
A tool for monitoring city resilience.
A dashboard for all the Fab Cities where citizens, civic leaders, digital fabrication laboratories and makers can understand the existing resilience of their cities and how they having an impact on it.
start
about the fab city initiative


Fab City Dashboard v.0.1
127.0.0.1:5000/user/demo/ESP#resilience
FAB CITY DASHBOARD V0.1
INDEX
CITIES
PROJECTS
ABOUT
City Resilience Index
¿How close is a city to being resilient, self-sufficient and guaranteeing opportunity and wellbeing to its citizens so that they can be the masters of their own destiny?
Based on the well-being indexes developed by OECD at country and regional level, data from the World Bank and fablabs.io, we developed a first prototype of the City Resilience Index that you can explore below.
learn more about the oecd better life index (at country level)
learn more about the oecd regional well-being index (at regional level)
or
proceed with the city resilience index below

Fab City Dashboard v.0.1

127.0.0.1:5000/user/demo/ESP

FAB CITY DASHBOARD V0.1

INDEX CITIES PROJECTS ABOUT

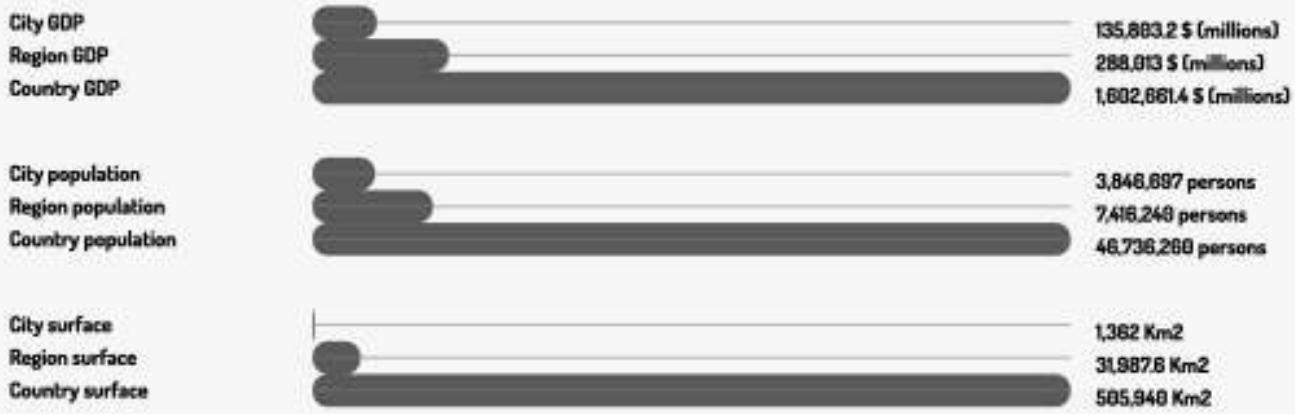
BARCELONA

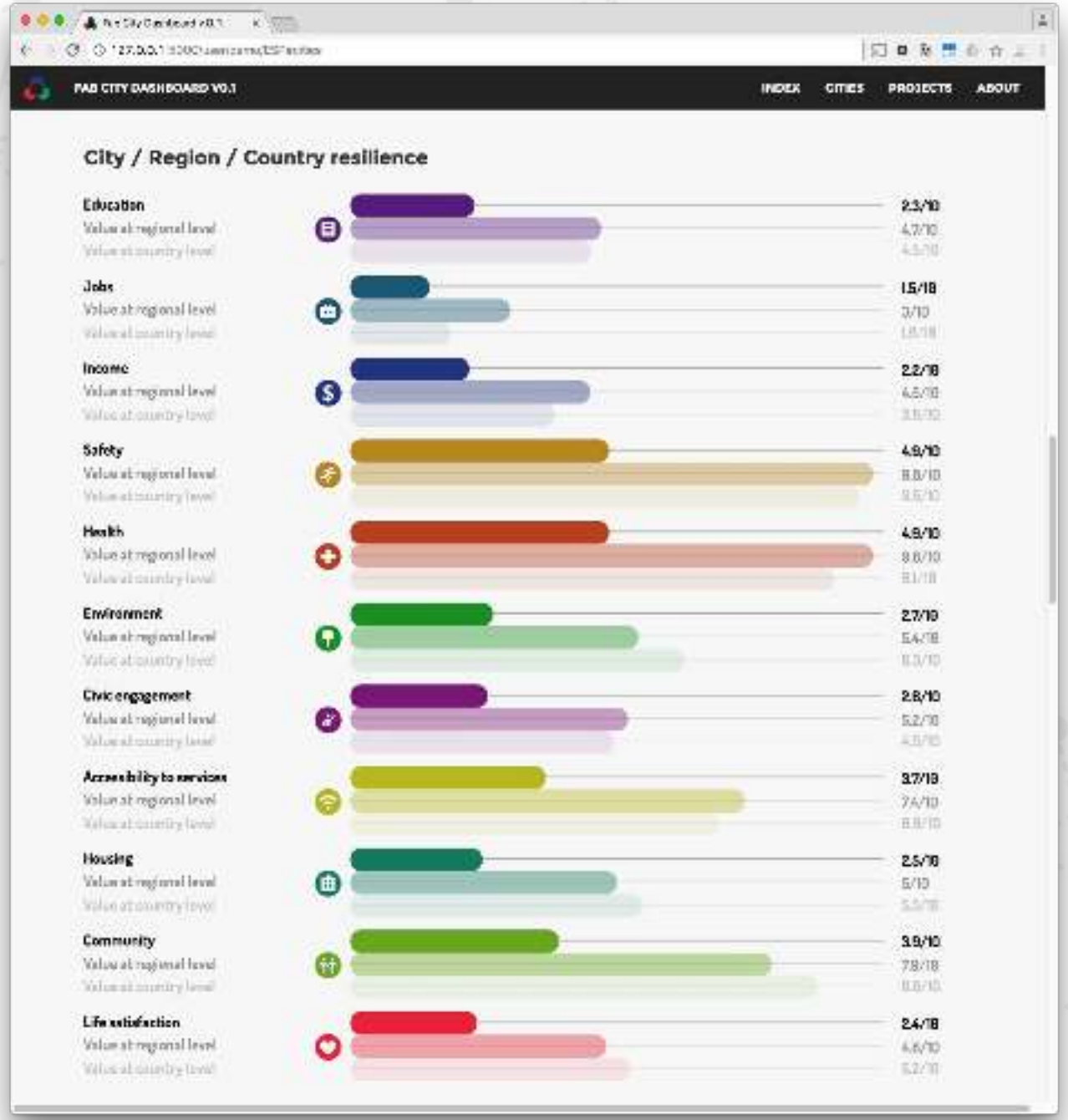
CATALONIA / SPAIN

The Barcelona metropolitan area comprises over 66% of the people in one of the richest regions in Europe – Catalonia, with a GDP per capita amounting to €28,400 (35% more than the EU average). Barcelona has a long-standing mercantile tradition. Less well known is that the region was one of the earliest to begin industrialization in continental Europe, beginning with textile-related works from the mid-1780s but really gathering momentum in the mid-19th century, when it became a major centre for the production of textiles and machinery. Since then, manufacturing has played a large role in its history. (Source: Wikipedia)

Resilience index

City / Region / Country general data




FAB CITY DASHBOARD V0.1
INDEX
CITIES
PROJECTS
ABOUT
City / Region / Country resilience
Education
Value at regional level
Value at country level
2.3/10
4.7/10
Jobs
Value at regional level
Value at country level
1.5/10
3/10
Income
Value at regional level
Value at country level
2.2/10
4.5/10
Safety
Value at regional level
Value at country level
4.9/10
8.8/10
Health
Value at regional level
Value at country level
4.9/10
8.6/10
Environment
Value at regional level
Value at country level
2.7/10
5.4/10
Civic engagement
Value at regional level
Value at country level
2.6/10
5.2/10
Accessibility to services
Value at regional level
Value at country level
3.7/10
7.4/10
Housing
Value at regional level
Value at country level
2.5/10
5/10
Community
Value at regional level
Value at country level
3.9/10
7.8/10
Life satisfaction
Value at regional level
Value at country level
2.4/10
4.6/10

FAB CITY DASHBOARD V0.1

INDEX CITIES PROJECTS ABOUT

FAB LABS AND MAKERSPACES

choose a region - choose a country - choose a city * -

LABS

FabLab Barcelona

300 Users Missing Info

Description

"Fab Lab Barcelona is a centre of production, investigation and education, that uses the latest computer-assisted design software for the creation of prototypes and scale models for Architecture, Construction and Industrial Design."

FAB CITY DASHBOARD V0.1

INDEX CITIES PROJECTS ABOUT

PROJECTS

Precious Plastic

2 contributors

Description

"We are building 4 small-scale plastic recycling machines based on the models done by the Precious Plastic team, using the open-source materials uploaded on their site."

Lab

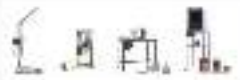
Machines

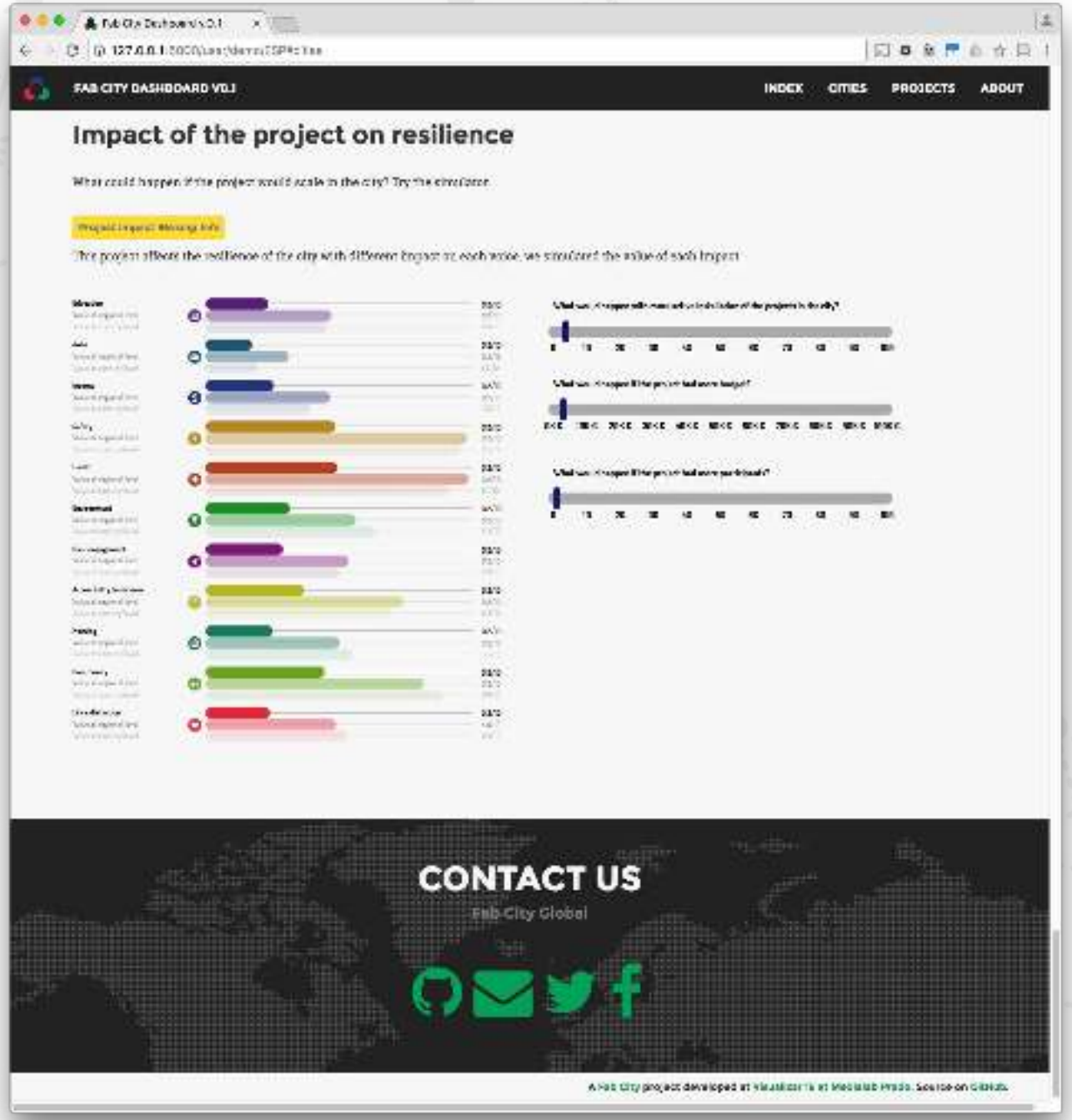
Materials

Partners

Supply-Chain Network

Images




FAB CITY DASHBOARD V0.1
INDEX
CITIES
PROJECTS
ABOUT
Impact of the project on resilience
CONTACT US
Fab City Global

FAB CITY DASHBOARD V0.1

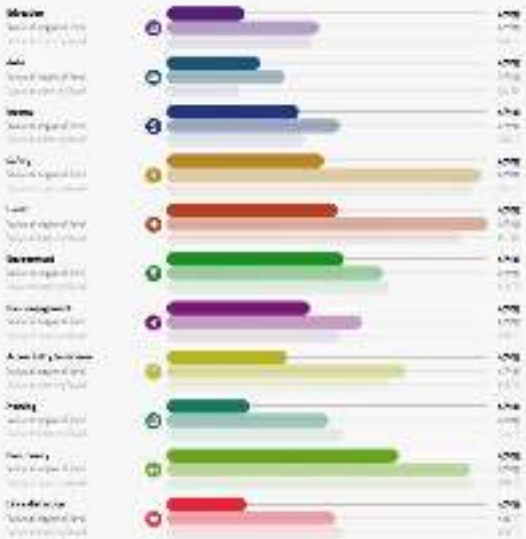
INDEX CITIES PROJECTS ABOUT

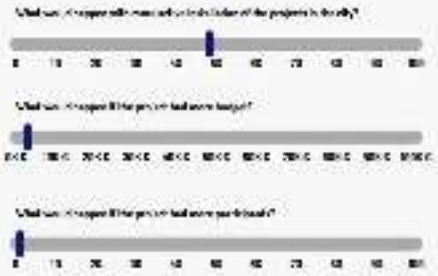
Impact of the project on resilience

What could happen if the project would scale in the city? Try the simulator

Project Impact: Missing Info

The project affects the resilience of the city with different impact in each area, we simulated the value of each impact





CONTACT US

Fab City Global

A Fab City project developed at Visualizers at Medialab Prado. Source on Github.

FAB CITY DASHBOARD V0.1

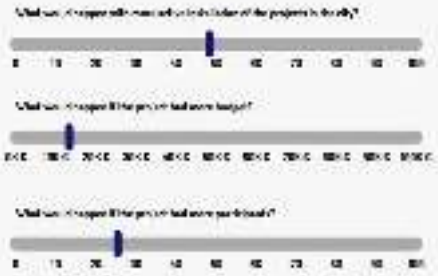
INDEX CITIES PROJECTS ABOUT

Impact of the project on resilience

What could happen if the project would scale in the city? Try the simulator.

Project Impact: Missing Info

The project affects the resilience of the city with different impact in each area, we simulated the value of each impact



CONTACT US

Fab City Global

A Fab City project developed at Visualizers at Medialab Prado. Source on Github.

Iaac | FAB LAB BARCELONA

Thank you!

info@fab.city
http://fab.city/
@fabcitybcn - @fabcityglobal

massimo@fablabbcn.org - @openp2pdesign