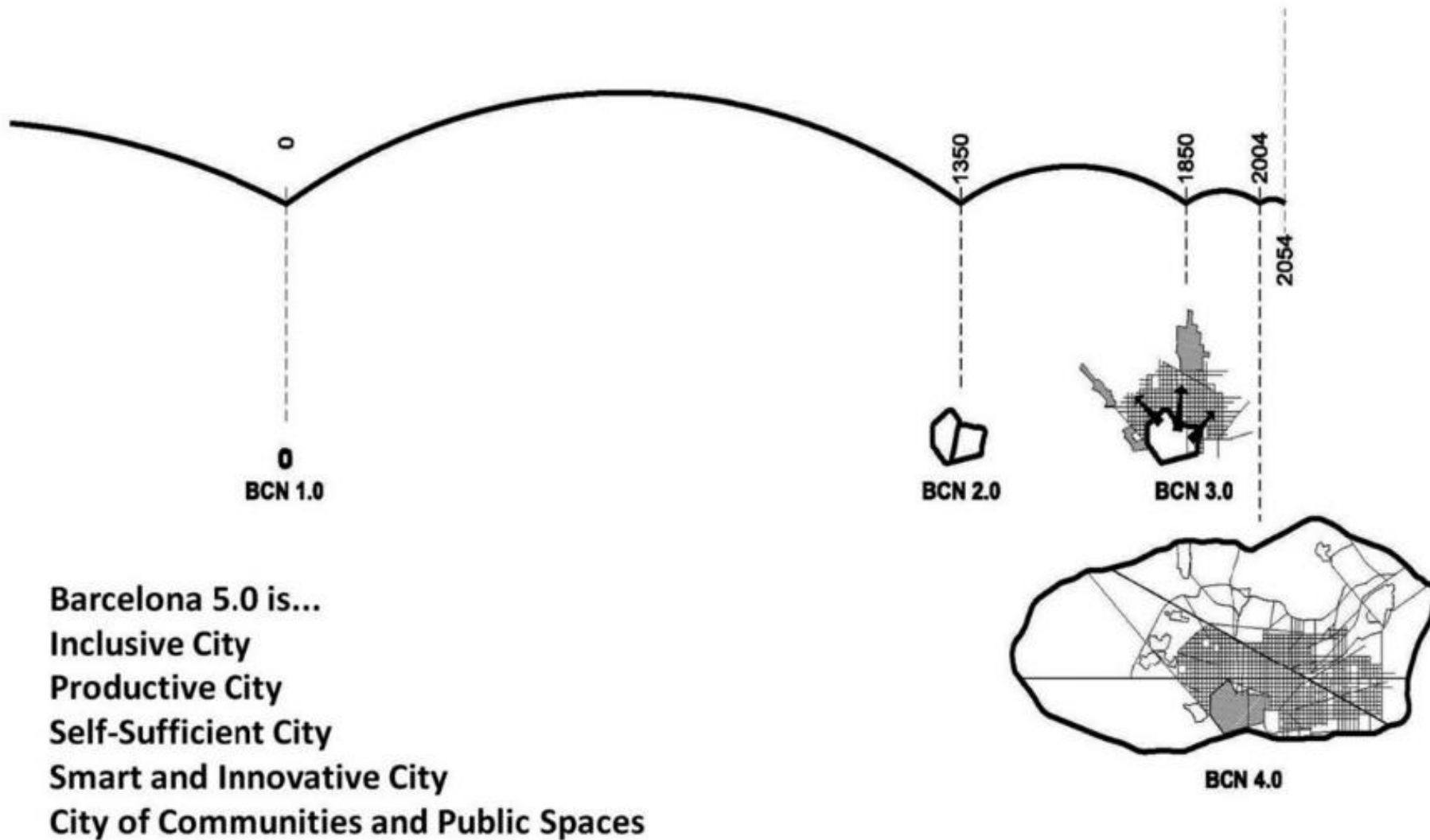


Παραδείγματα εφαρμογών ευφυών πόλεων

*πριν και κατά τη διάρκεια του COVID-19*

Δρ Στέλλα Μανίκα

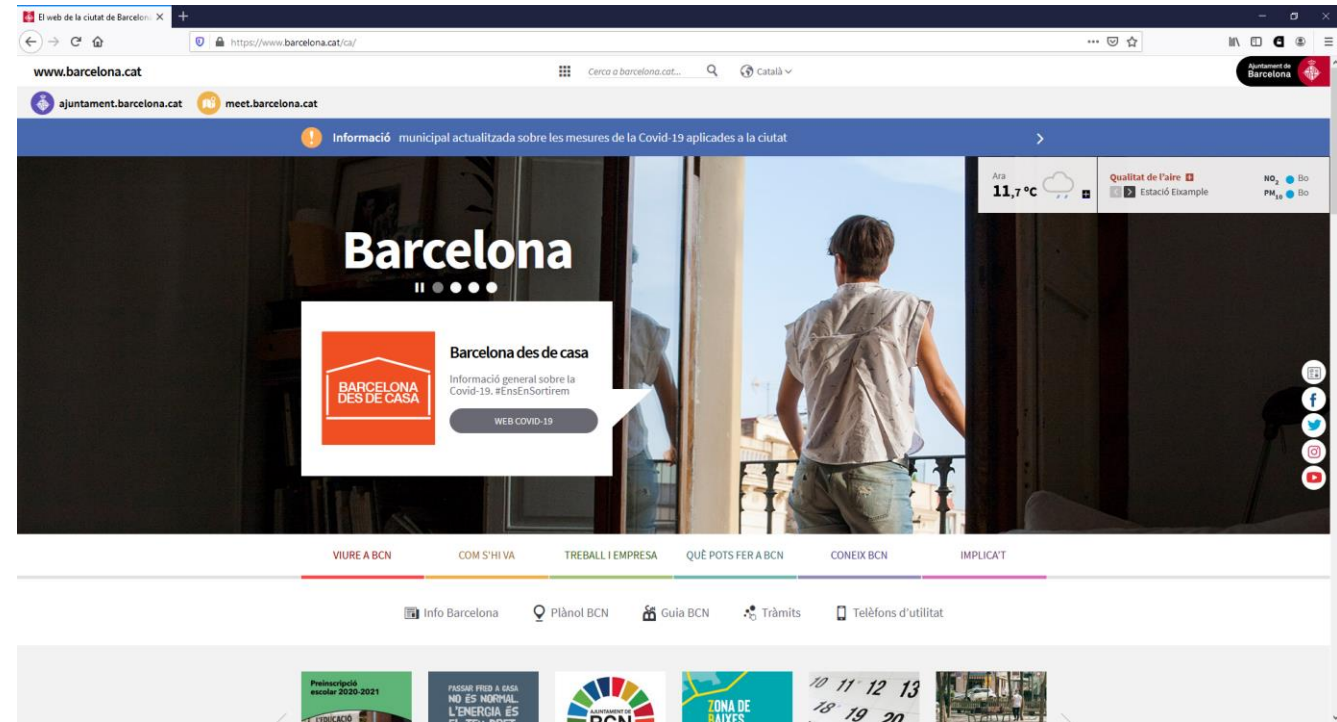
30.03.2020



J. R. Ferrer (2017) Barcelona's Smart City vision: an opportunity for transformation (Διαθέσιμο από: <https://journals.openedition.org/factsreports/4367>)

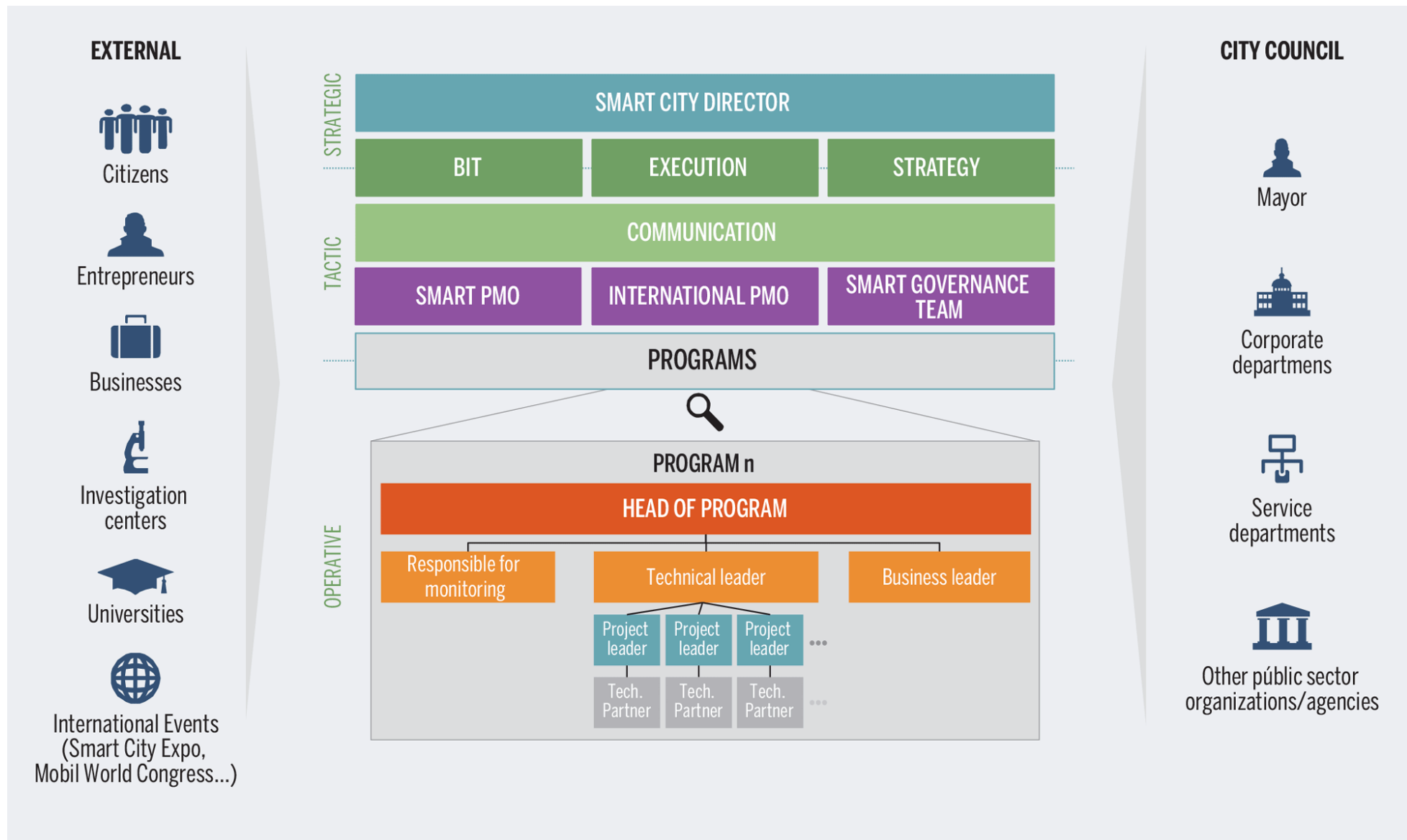
1	Telecommunications networks		12	Citizenship	
2	Urban Platform		13	Open Government	
3	Smart Data		14	Barcelona in the pocket	
4	Smart Light		15	Smart Garbage Collection	
5	Energy self-sufficiency		16	Smart Regulation	
6	Smart Water		17	Smart Innovation	
7	Smart Mobility		18	Health and Social Services	
8	Renaturation		19	Education	
9	Urban Transformation		20	Smart Tourist Destination	
10	Smart Furnishings		21	Infrastructure and Logistics	
11	Urban Resilience		22	Leisure and Culture	

J. R. Ferrer (2017) Barcelona's Smart City vision: an opportunity for transformation (Διαθέσιμο από: <https://journals.openedition.org/factsreports/4367>)<sub>B</sub>



<https://www.barcelona.cat/ca/>





J. R. Ferrer (2017) Barcelona's Smart City vision: an opportunity for transformation (Διαθέσιμο από: <https://journals.openedition.org/factsreports/4367>)



<https://www.barcelona.cat/ca/>


Barcelona hosts the first Workshop City Protocol

EN | FR | ES | Translate

Home | About us | News and agenda | Our work | Knowledge hub | Become a member


**UCLG Committee on Social, Inclusion, Participatory Democracy and Human Rights**  
Member of United Cities and Local Governments

Home » News » Latest news

**Barcelona hosts the first Workshop City Protocol** 

Like 0

22-10-2012



The Workshop City Protocol to promote a certification system for measuring the degree of efficiency and quality in cities was held on 16 and 17 July. The event brought together around 200 spokespersons and included the attendance of two Metropolis representatives who played an active role in the discussions to establish a new framework for city improvement and transformation.

Barcelona City Council is acting as the project sponsor, with the involvement of CISCO and GDF Suez and the collaboration of over 90 cities, organizations, universities, and businesses.

The purpose of the event was to define in a collaborative and community-based fashion a protocol to determine quality standards for 21st century cities. The meeting drew 200 participants from 33 cities and close to 60 businesses, international organizations, and universities.

The goal of the Workshop City Protocol is to create a community from which a framework of governance can emerge that enables content on the challenges cities are faced with today for improving urban innovation to be generated in a collaborative fashion.

At the meeting in Barcelona participants agreed to develop and perfect a preliminary version of the City Protocol, which shall be presented at the Smart City Expo to also be held in Barcelona, from 13 to 15 November 2012. The basis and commitment for the creation of the City Protocol Society were further aspects also established at the event.

Home | About us | News and agenda | Our work | Knowledge hub | Become a member | Contact

Our mission  
Background  
Structure and members  
Working documents  
Contact us

News  
Agenda  
Newsletters  
Multimedia

Introduction  
Right to the City  
Local governments and human rights  
Right to Housing  
Cities for Migration  
Participatory Democracy

Observatory  
Pulse  
Publications

Carer Avinyó 15  
08002 Barcelona (Spain)  
Ph: +34 933 428 750  
Fax +34 933 428 750  
cisdp1@uclg.org

**UCLG**  
United Cities and Local Governments

<https://www.uclg-cisdp.org/en/news/latest-news/barcelona-hosts-first-workshop-city-protocol>

C40  
Platform barcelona - Αναζήτηση Google  
https://www.c40.org/profiles/2014-barcelona

C40 CITIES


EN | 中文

Cities Networks Programmes Research Events Media Blog About

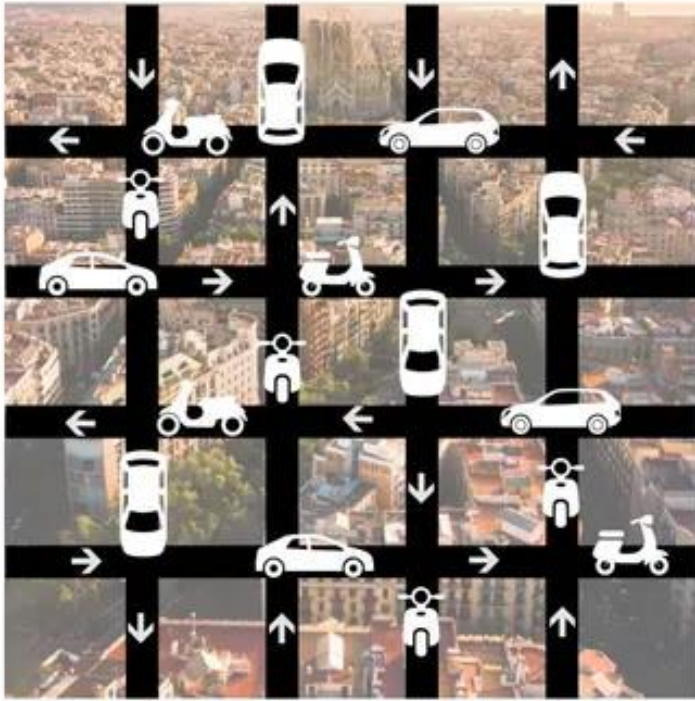
Search

2014 Winners 2014 Finalists Photos & Videos Press Explore More

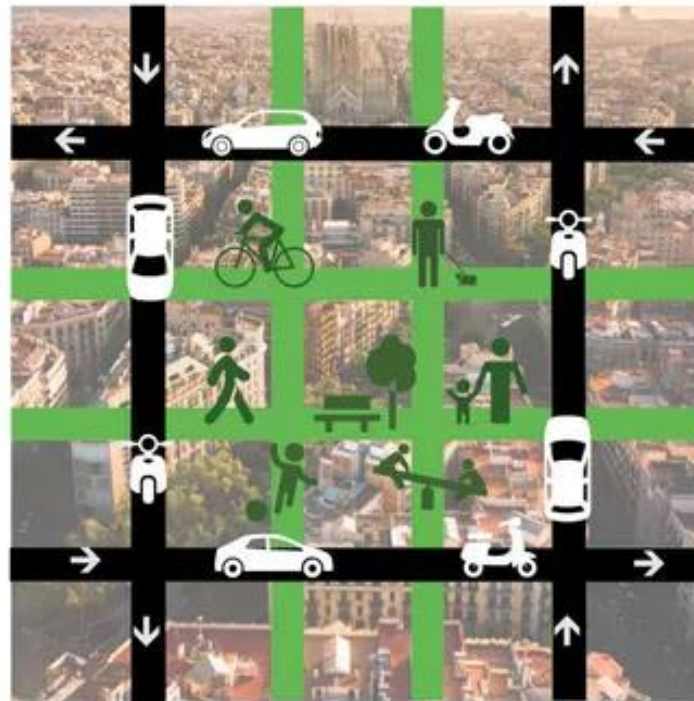
## Barcelona: Urban Platform



Challenges	Actions	Projected Outcomes
<p>Current "Smart City" systems are based on ICT vertical solutions that utilize sensors to collect data. These systems are organized,</p>	<p>Barcelona developed the urban platform in 2013 as a new ICT architecture that provides a single, transversal platform that</p>	<p>Barcelona seeks to become a self-sufficient, hyper-connected, zero emissions city. ICT is key to reaching this goal as it enables the city</p>



Baseline situation

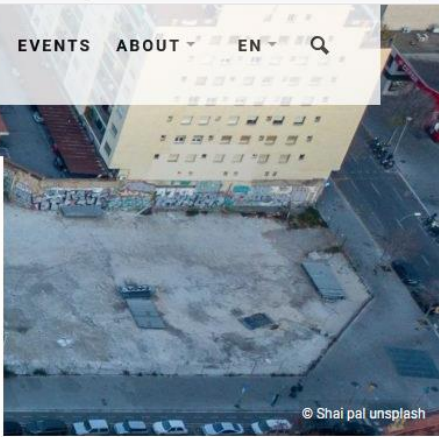


Superblocks model

<https://www.thelocal.es/20190917/superblocks-how-barcelonas-car-free-zones-could-extend-lives-and-boost-mental-health>

Ενδιαφέρον επίσης το:  
[https://energy-cities.eu/wp-content/uploads/2018/11/Barcelona\\_Pocacito\\_Superblocks\\_2016\\_en.pdf](https://energy-cities.eu/wp-content/uploads/2018/11/Barcelona_Pocacito_Superblocks_2016_en.pdf)





HOME > BEST PRACTICES

# “Superblocks” free up to 92% of public space in Barcelona!

MOBILITY URBAN PLANNING & VISION



This simple idea is based on blocks, initially named “supermanzanas” (super apples), that are smaller in size than a district (but bigger than an apple!). These new 400mx400m urban blocks have given the city back to the citizens by keeping car traffic on the outskirts of each block. This urban development creates a peaceful, more spacious inner area, ideal for cycling and walking as well as testing new uses that encourage social cohesion and economic development. Several “super-apples” have already been created in the Gràcia district and others are in the process of being developed in Barcelona. This new idea is spreading to the cities of Vitoria, La Coruña, Ferrol, Viladecans and El Prat.

A Post-Carbon City of Tomorrow 2014-2016 case study

website

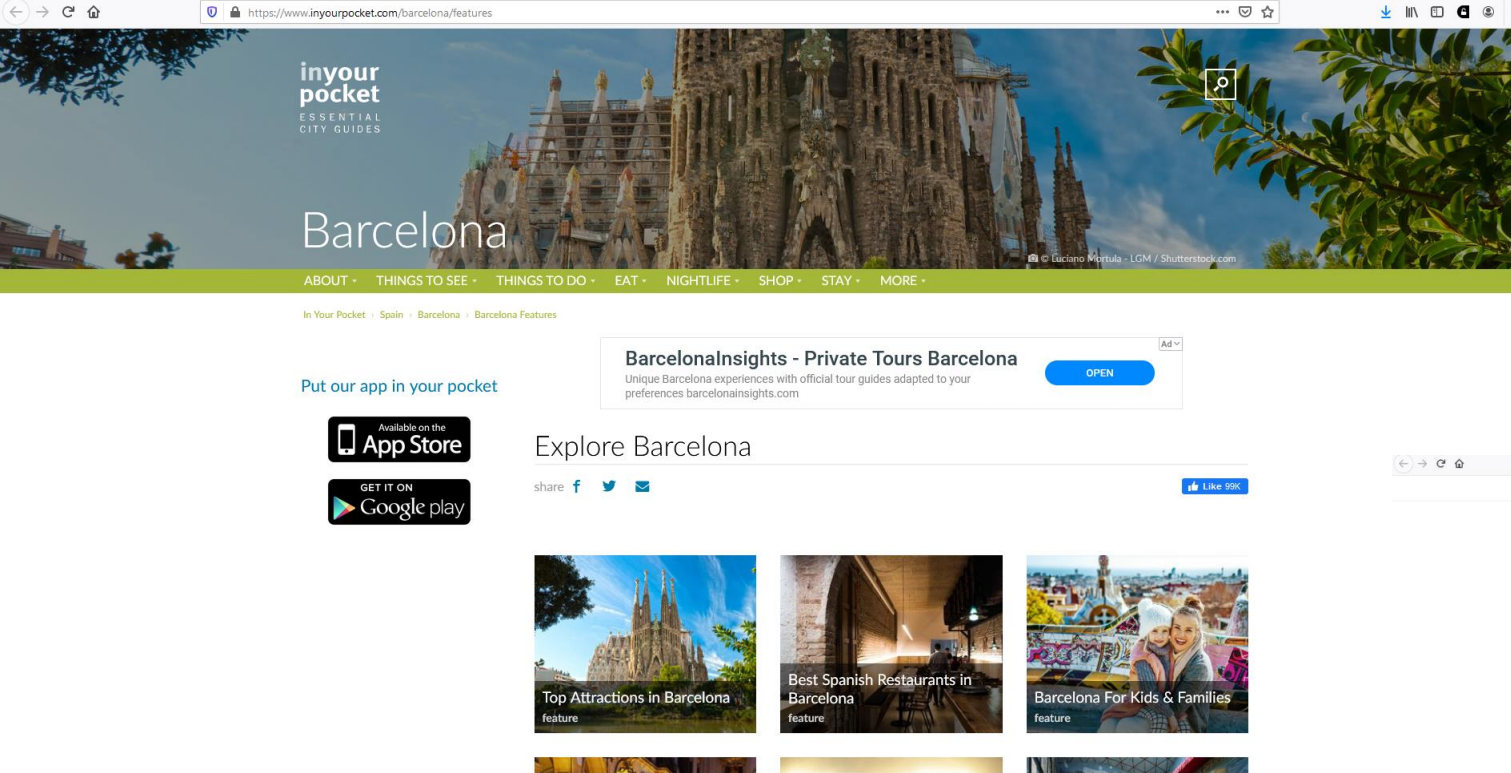
// DOWNLOAD

ENGLISH

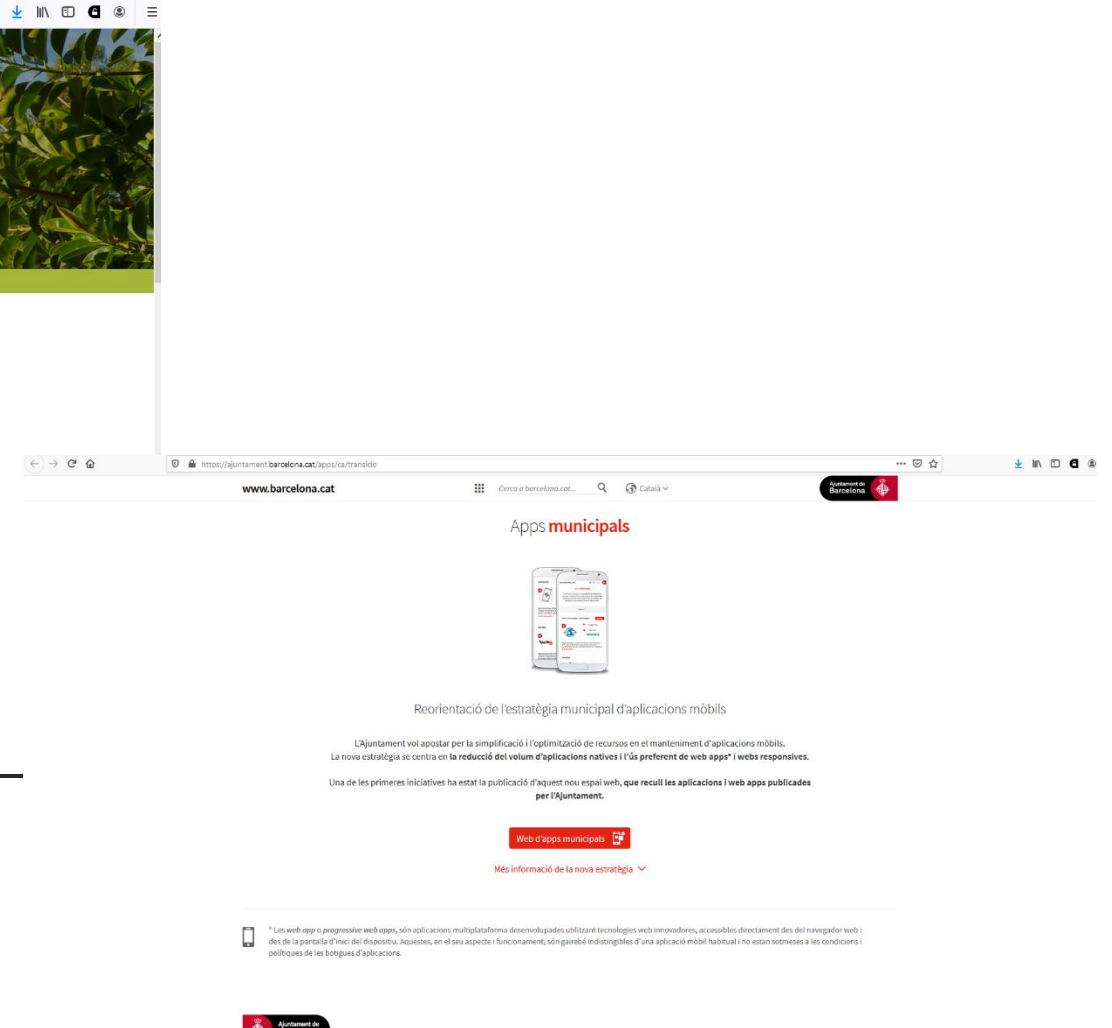
### FEATURED MEMBER CITIES



<https://energy-cities.eu/best-practice/superblocks-free-up-to-92-of-public-space-in-barcelona/>



<https://www.inyourpocket.com/barcelona/features>



<https://ajuntament.barcelona.cat/apps/ca/transicio>





March, H., & Ribera-Fumaz, R. (2016). Smart contradictions: The politics of making Barcelona a Self-sufficient city. *European Urban and Regional Studies*, 23(4), 816–830.

<https://doi.org/10.1177/0969776414554488>

<http://milimet.com/media-ict-building-under-construction-design-by-enric-ruiz-geli/>

## Mobility and transport

ABOUT US ▾ MEANS OF TRANSPORT ▾ SERVICES ▾ PUBLIC ASSISTANCE AND PROCEDURES ▾ NEWS AND DOCUMENTS ▾ GETTING THERE 🗺

Home | Means of Transport | Electric vehicle

### Electric vehicle

Electric mobility is a good option for meeting people's motorised transport needs for journeys that cannot be made by more sustainable means such as travelling on foot, by bicycle or on public transport. In such cases, make sure you travel in the most efficient, clean and sustainable way possible.

In Barcelona, you have advantages for the use of the electric vehicle, with over 450 charging points distributed throughout numerous stations and car parks in all districts (125 are specifically for electric motorbikes), a 75% tax bonus on mechanical traction vehicles and a 0 Euro fee for parking in blue or green zone spaces (except spaces exclusively for residents or reserved spaces, always respecting the timetables and the maximum time regulations).

You'll also find a wide variety of shared electric vehicle services (mopeds and cars) in the city, which you can use for journeys where you need a private vehicle and you cannot go by public transport, on foot or by bike. Because you no longer need your own vehicle, you can benefit from the economic and environmental savings of a shared vehicle.

View more ▾



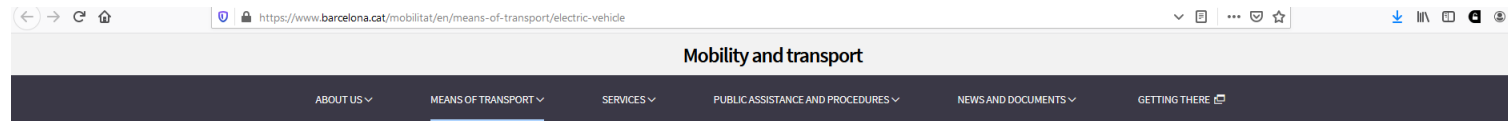
Electric charging points in Barcelona ▾

Help for introducing electric vehicles ▾

Electric municipal fleet ▾

The benefits of electric mobility ▾

<https://www.barcelona.cat/mobilitat/en/means-of-transport/electric-vehicle>



Electric charging points in Barcelona ^

Locate all the charging points distributed at many stations in all districts and charge your vehicle so you can drive without fumes.

- [Recharging points list](#)
- [Endolla Barcelona Website: Map and procedures](#)
- [Geolocation of stations \(open data\)](#)

Electric municipal fleet ^

The city of Barcelona itself currently has electric vehicles in its fleet of municipal vehicles, both in city maintenance services (lighting, gardening, sewerage, etc.) and in the Guàrdia Urbana (city police) and the public transport vehicle fleet (buses, taxis) and others.

- [Technical instruction for the application of sustainability criteria in vehicles \(2015\)](#)

Help for introducing electric vehicles ^

If you are thinking of joining electric mobility, consult the current advice and incentives to help you with this change.

- [Aid and incentives](#)

The benefits of electric mobility ^

Electric mobility brings energy, environmental and economic advantages:

#### Advantages in energy terms:

- It is more efficient than the conventional vehicle.
- It helps to reduce dependence on energy derived from petroleum.
- It allows the integration of renewable energy into mobility.
- It contributes to distributed generation and encourages self-sufficiency.

#### Advantages in environmental terms:

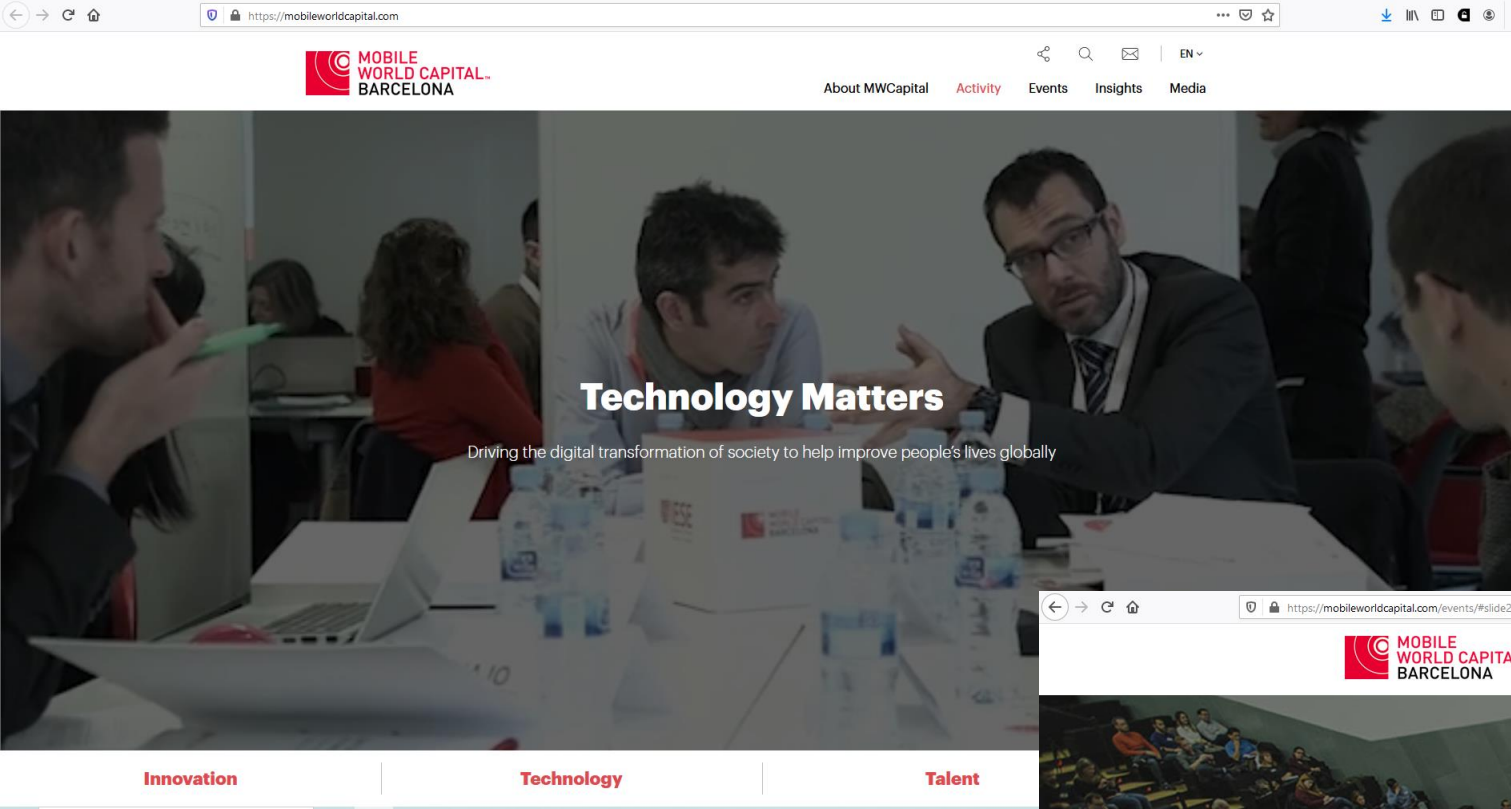
It does not generate emissions or particulates with local emissions: PM<sub>10</sub>, NOx, CO, CO<sub>2</sub>

- It reduces noise pollution.

#### Advantages in economic terms:

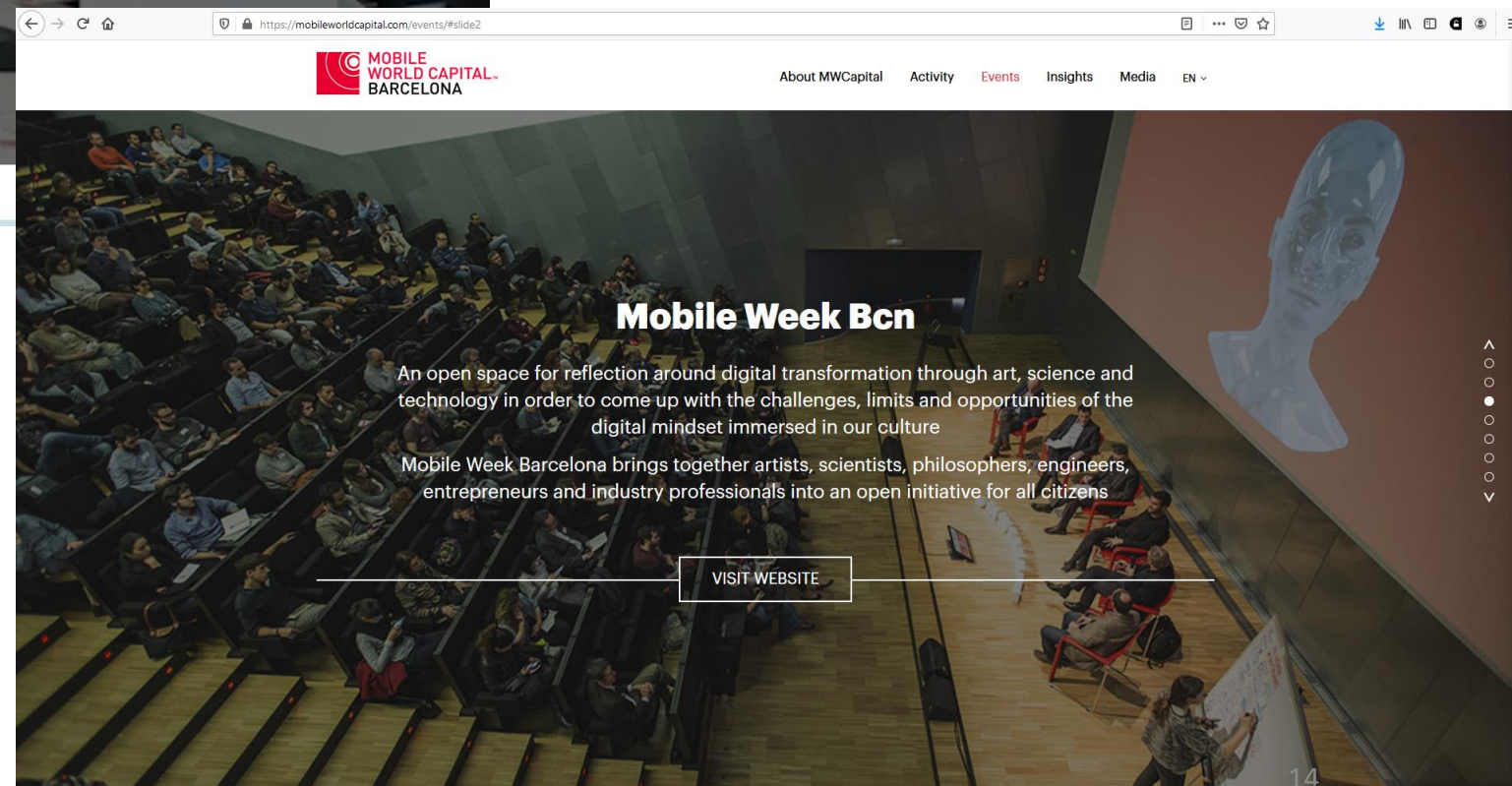
- It accelerates the development of smart energy networks (*smart grids*)
- It consolidates an innovative industrial sector.
- It contributes to territorial rebalancing.



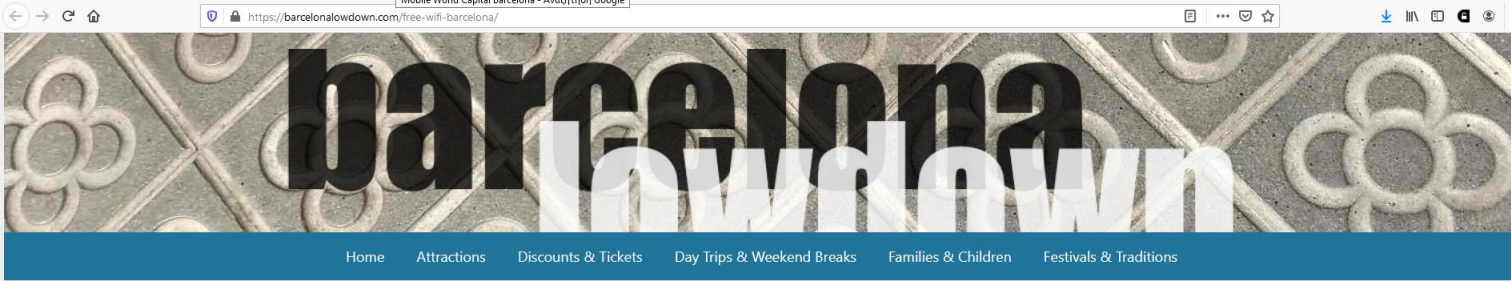


<https://mobileworldcapital.com/events/#slide2>

<https://www.mwcbarcelona.com/about-the-gsma/mobile-world-capital-barcelona/>







## Free WiFi Hotspots in Barcelona

Last Updated March 21, 2020

Free WiFi is widely available in Barcelona. In 2011 the city council launched **Barcelona WiFi** and installed antennas throughout the city. You can also get online for free in shopping centres, bars & restaurants and at the airport.

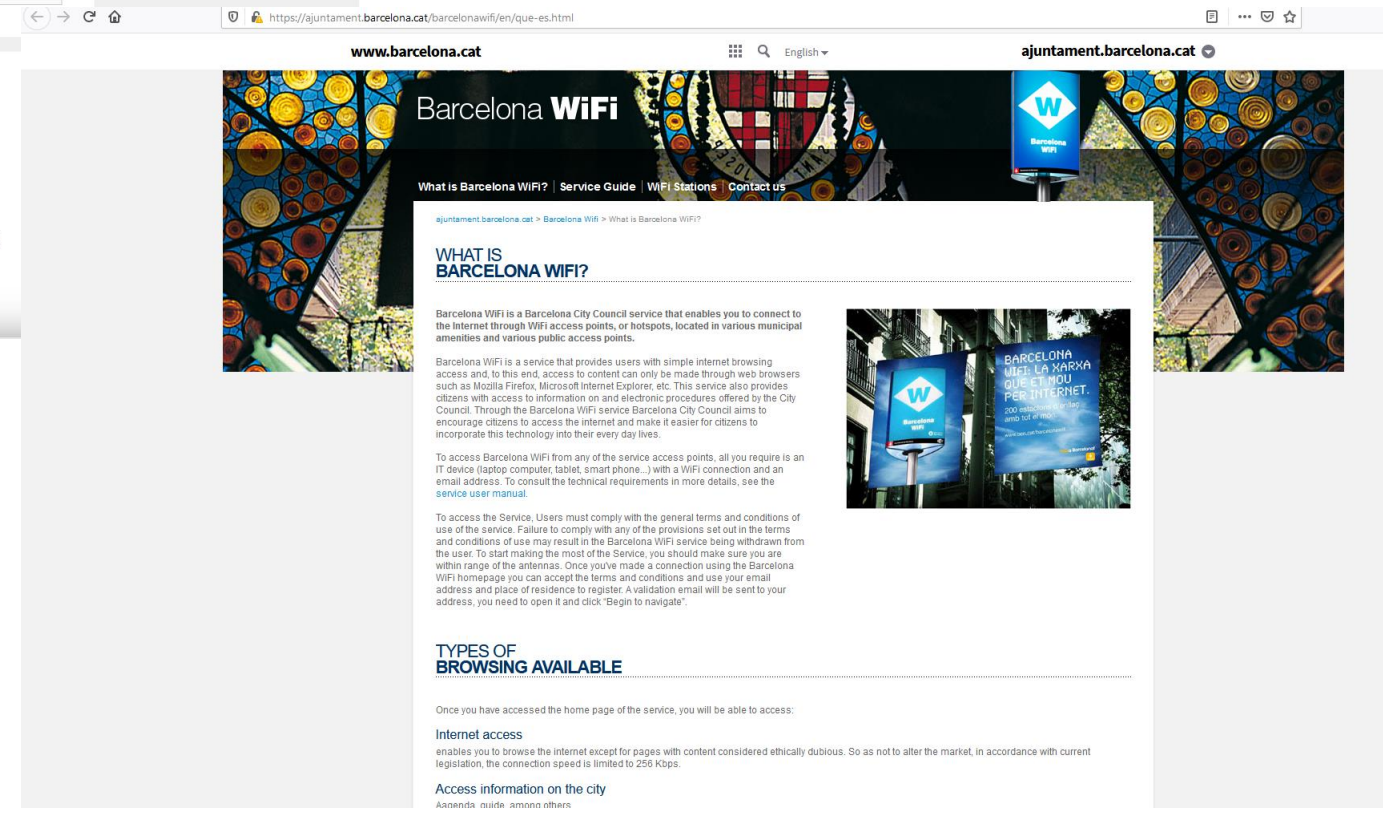


### SEARCH THIS SITE

### CATEGORIES

- Activities (6)
- Attractions (59)
- Catalonia (18)
- Day Trips & Weekend Breaks (18)
- Entertainment (3)
- Events (8)
- Families & Children (7)

<https://barcelonalowdown.com/free-wifi-barcelona/>



<https://ajuntament.barcelona.cat/barcelonawifi/en/que-es.html>



## Smart mobility for a smart city: Line 9 connects Barcelona with its future

Once completed, Line 9 of Metro Barcelona will run for 47.8 km, making it the longest underground metro in Europe. Automated, driverless trains, and smart mobility and control solutions will speed passengers to their destinations and provide seamless connections with long-distance train stations, the airport, and a wealth of other transportation options. Line 9 is just the latest in a multitude of initiatives that have together transformed Barcelona into one of the world's premier smart cities. Pursuing that path – like building the new subway line – was not always easy. So, what's the secret to Barcelona's success?

### Smart Mobility

Keeps people moving to better solutions – People fed up with congested cities, are innovating smart mobility with new mobile technologies and intuitive apps which integrate public transportation, better infrastructure, and car sharing.

[https://urban-hub.com/smart\\_mobility/smart-mobility-at-the-core-of-smart-city-barcelona/](https://urban-hub.com/smart_mobility/smart-mobility-at-the-core-of-smart-city-barcelona/)



« All Events

This event has passed.

**Smart City Expo & Smart Mobility Congress in Barcelona**  
19 November 2019 - 21 November 2019

**SMARTCITY**  
EXPO WORLD CONGRESS



<http://stars-h2020.eu/event/smart-city-expo-smart-mobility-congress-in-barcelona/>





Aparca a mitad de precio

Ver los parkings



¡Descárgate la app y llévate 3€ gratis para probarla

Descarga la app, regístrate y te damos 3€ de saldo para que nos pruebes

Te enviamos gratis tu pegatina de acceso a nuestra red de parkings

Activa tu pegatina, pégala en tu coche, reserva tu plaza y aparca al 50%

<https://barcelona.wesmartpark.com/es>

Parclick

WHERE DO YOU WANT TO PARK? Barcelona

ARRIVAL: Tu, 31 Mar, 10:00 | DEPARTURE: Tu, 31 Mar, 12:00

Car parks near Barcelona

120 Car parks found

Name	Rating	Price
SABA Lluís Companys	4,1/5 (3 opinions)	25,50€
Alpha - Gran Vía Tetuán		7,20€
Parking10 BCN - Arco del Triunfo		60€
SABA Plaça Urquinaona	4,7/5 (16 opinions)	20,70€
SABA BAMSÀ Diputació	4,7/5 (6 opinions)	21€
BAMSÀ Francesc Cambó		

**BSM Estació Barcelona-Nord**

Carrer d'Ali Bei, 54

4,1 ★★★★★ (Based on 53 opinions)

This car park does not accept reservations through Parclick. However, you can book one of the nearby car parks that we offer you in the list.

Map showing location near Estació d'autobusos Barcelona Nord, Oro de Mar, Bar Restaurant Nàpols, Supermercat Xinès, and Unitat Territorial de.

Maximum height allowed: ≤ 2.2 m

**About the car park**

If you want to steer clear of the centre while you're in your car, BSM Estació Barcelona-Nord is in the Barcelona Bus Station in a more peaceful area of the city, a bit north of the centre. It is nice and easy to access from either the Passeig de Sant Joan or the Avinguda Meridiana, depend... [Read more](#)

**Car park hours**

Open 24 hours a day

[https://parclick.com/parking-barcelona/bsm\\_estacio\\_barcelona\\_nord?affiliate=3b41](https://parclick.com/parking-barcelona/bsm_estacio_barcelona_nord?affiliate=3b41)

Latest news / The streetlights at the Llevant beach now make their own electricity

## The streetlights at the Llevant beach now make their own electricity

Environment. The lights work thanks to posts which use solar and mini wind power.

**The self-powered lighting at the Llevant beach, between Mar Bella and Diagonal Mar, includes 22 lighting units which were put into operation today. Six of the units use hybrid solar and mini wind power, while the other sixteen rely on solar power technology. The streetlights generate all the energy they need to function without having to be connected to mains electricity.**

In the case of the 6 hybrid lights, one of their specific features is that they have been specially designed for the city's wind resource and as such they are the only units of their kind in the world which can function with wind strength below 1.7 m/s. The streetlights use LED light technology and are highly energy efficient, with good quality light levels and a 20% lower energy consumption. They do not generate electricity costs as the energy they need is generated by each unit and can carry on working up to 58 hours, or 6 days without wind or sun.

In the case of the solar powered units, these 16 streetlights use LED technology and a solar panel which allows them to operate with the sunlight they capture and without having to be connected to mains power. As with the hybrid lights, these units can carry on working up to 6 days without sunlight.

The budget for the installation of the lights was 135,000 euros. It represents energy production of around 4,650 kWh per year, which works out at 280 kWh per year for the hybrid streetlights and 190 kWh per year for the solar powered units.



[https://ajuntament.barcelona.cat/bombers/en/noticia/the-streetlights-at-the-llevant-beach-now-make-their-own-electricity\\_195056](https://ajuntament.barcelona.cat/bombers/en/noticia/the-streetlights-at-the-llevant-beach-now-make-their-own-electricity_195056)

://cityos.io/view.competitor/ Street lighting management | Ecology, Urban Planning, Infrastructures and Mobility



AIR | LAB | CASE STUDY | BESTS | WORKSHOPS

World's Best City Projects for Smart Street Lights

## SMART CITY BARCELONA

More info >



A project impelled by:

- BARCELONA DIGITAL TECHNOLOGY CENTRE
- bdigital
- TECNIO
- AREISA
- CIRCUTOR
- e-controls
- PRYSMIAN
- SANTA & COLE
- SECE
- semel

The high cost of operation and maintenance of street lighting is not only an economic problem but also an environmental concern. The application of measures such as control of lighting zones, regulation of the hours of lighting, improvements in facilities and electrical analysis of the position of lamps results in costs savings of up to 40%. Street lamps in the Siur project are equipped with LED technology to reduce cost and pollution. Lamps include sensors that process environmental information and detect presence, temperature, humidity, noise and pollution. These lights are connected to a street lighting cabinet that centralises all communications and services (such as fibre-optic cabling to the home, Wi-Fi or electrical vehicle recharging stations), and sends

<https://cityos.io/view.competitor/28428/Smart-City-Barcelona>

## Ecology, Urban Planning, Infrastructures and Mobility

🏠 ABOUT US WHAT WE DO AND WHY BODIES INVOLVED SERVICES PROCEDURES ENVIRONMENTAL FACILITIES NEWS CONTACT 🔍

Home / Latest news / Plaça del Centre lights up with solar energy

21/10/2016 - 12:28 h

### Plaça del Centre lights up with solar energy



Plaça del Centre, located between the districts of Les Corts and Sant-Montjuïc, has had a facelift over the last two months. Work carried out included the installation of a solar pergola which delivers energy to the 25 light fixtures around the square and the section of Av. Madrid which runs through it.

The installation of the pergola, which is 5 metres high and generates 12.48 kWp, charges fifteen lithium-ion batteries located in a special chamber underneath the square. The solar panels combine with wooden modules to form a shade structure and have been placed across the top of the pergola, which has a 5% incline to prevent rainwater, which cleans them, from accumulating on top.

The new system, which charges the batteries during the day and uses the accumulated energy to light the area at night, is expected to meet 70% of the annual power requirements of the square with clean and renewable energy. From April to August, the system will be able to supply 100% of the power needed.

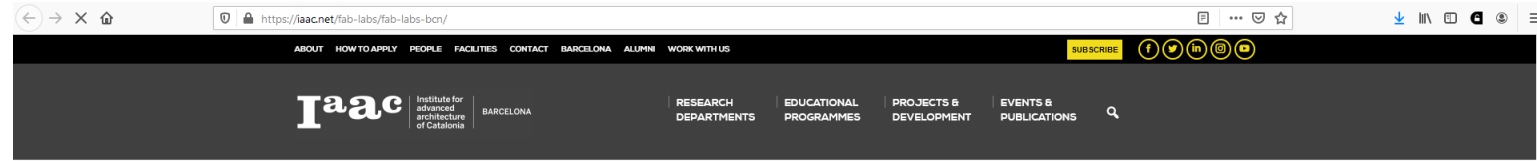
[https://ajuntament.barcelona.cat/ecologiaurbana/en/noticia/placa-del-centre-lights-up-with-solar-energy\\_419102](https://ajuntament.barcelona.cat/ecologiaurbana/en/noticia/placa-del-centre-lights-up-with-solar-energy_419102)





<https://iaac.net/fab-labs/fab-labs-bcn/>

<https://fablabbcn.org/>



FabLab Barcelona is one of the leading laboratories of the worldwide network of [Fab Labs](#), a small scale production and innovation center equipped with digital fabrication tools and technologies for the production of objects, prototypes and electronics.

[ic\_end\_intro]

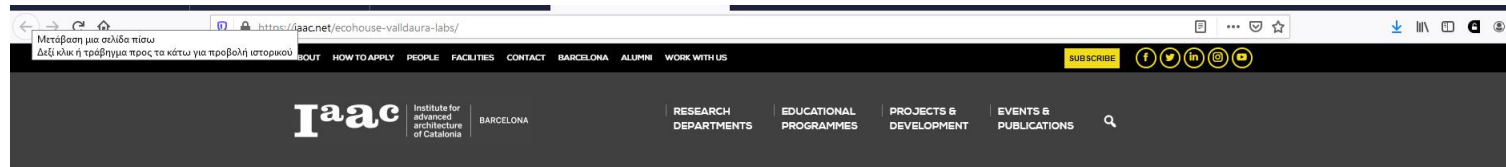
## About

Fab Lab Barcelona is part of the Institute for Advanced Architecture of Catalonia, where it support different educational and research programs related with the multiple scales of the human habitat. It is also the headquarters of the global coordination of the [Fab Academy](#) program in collaboration with the Fab Foundation and the MIT's Center for Bits and Atoms; the Fab Academy is a distributed platform of education and research in which each Fab Labs operates as a classroom and the planet as the campus of the largest University in construction in the world, where students learn about the principles, applications and implications of digital manufacturing technology.

The Fab Lab Barcelona has produced projects such as Hyperhabitat IAAC (official selection for the Venice Biennale XXI) or the [Fab Lab House](#) (Audience Award in the first Solar Decathlon Europe in Madrid). It is currently developing projects in different scales, from smart devices for data collection by individuals, [Smart Citizen](#) innovative project award in the Smart City Expo and World Congress in Barcelona), the development of the new generation of Fab Labs in the Green Fab Lab project, to the new production models for cities with the Fab City project being implemented in Barcelona in collaboration with the city council.


Our mission as a Fab Lab is to provide access to the tools, the knowledge and the financial means to educate, innovate and invent using technology and digital fabrication to allow anyone to make (almost) anything, and thereby creating opportunities to improve lives and livelihoods around the world. Community organizations, educational institutions and non-profit concerns are our primary beneficiaries.

APPLY NOW



### Prototyping the self-sufficient eco-house of the future in Valldaura Labs this summer

Over the summer, the students from **the Institute of Advanced Architecture of Catalonia (IAAC)** have undertaken to prototype a fully off-grid and completely functional ecohouse in the forest of Valldaura. Committed to enhancing a more ecologically aware and self-sufficient future for architecture and housing, these students from IAAC's **Master in Advanced Ecological Buildings** will complete the construction at the end of August 2019. Privileging environmentally and ecologically conscious design as well as zero-km biomaterials. This prototype is the collective final project of the academic program offered from the IAAC's **Valldaura Labs**, and the students have taken up the task to find viable alternatives to challenge current energy-consuming architectural methods using the skills, experience and knowledge they have learned during this academic year.

 [APPLY NOW](#)



As a future-thinking Institute involved in enhancing innovation to reinvent current design and architecture methods, IAAC trains young professionals to better understand, approach and solve the current and future challenges architecture faces, including sustainability and self-sufficiency related-issues. As a more direct response to current global environmental crises, IAAC designed its Master in Advanced Ecological Buildings welcoming forward-looking students in its unique set of Valldaura Labs, near Barcelona, for them to learn by doing but also by living!

Built by the students, the idea of this prototype is to test and evidence the viability of such a construction and to provide alternatives to

<https://iaac.net/eco-house-valldaura-labs/>

# Συμπεράσματα

[https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/prizes/icapital/icapital2014\\_en](https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/prizes/icapital/icapital2014_en)

Home > Research and innovation > Funding > Funding opportunities > Prizes > iCapital > European Capital of Innovation (iCapital) 2014

## European Capital of Innovation (iCapital) 2014

Details of the 2014 iCapital contest winner

### European Capital of Innovation 2014 - Barcelona

Barcelona was named the first European Capital of Innovation. Grenoble and Groningen were the runners-up.

Barcelona city council championed the "Barcelona as a people city" project by introducing new technologies to foster economic growth and the welfare of its citizens.

Such technologies looked at a wide variety of fields such as

- use of open data
- sustainable initiatives for smart lighting, mobility, and residual energy
- promoting alliances between research centres, universities, private and public partners, and various other ICT initiatives

[Press release](#)

[Watch the announcement](#)

Was this page useful?   Is there...

**European Commission website**

This site is managed by the Directorate-General for Communication

Strategy  
Aid, Development cooperation  
About the European Commission  
Food, Farming, Fisheries and Rural Development  
Business, Economy, Euro  
EU regional and urban development  
Live, work, travel in the EU  
Jobs at the European Commission

[https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/prizes/icapital/icapital2014\\_en](https://ec.europa.eu/info/research-and-innovation/funding/funding-opportunities/prizes/icapital/icapital2014_en) και πιο συγκεκριμένα το:  
[https://ec.europa.eu/commission/presscorner/api/files/document/print/en/ip\\_14\\_239/IP\\_14\\_239\\_EN.pdf](https://ec.europa.eu/commission/presscorner/api/files/document/print/en/ip_14_239/IP_14_239_EN.pdf)

<https://ajuntament.barcelona.cat/ca/>

www.barcelona.cat

Cerca a barcelona.cat... Català

Informació municipal actualitzada sobre les mesures de la Covid-19 aplicades a la ciutat

## Ajuntament de Barcelona

Seguiu-nos:

### Barcelona des de casa

Informació general sobre la Covid-19. #EnsEnSortirem

WEB COVID-19

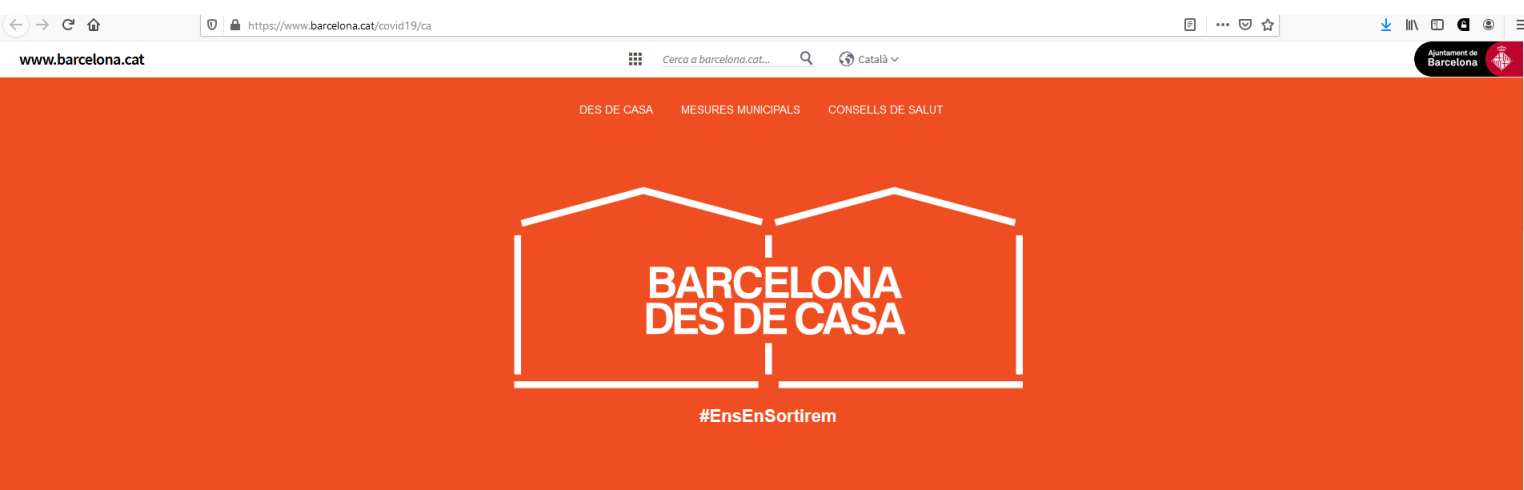
L'ORGANITZACIÓ ACCIÓ DE GOVERN TRANSPARÈNCIA INFORMACIÓ ADMINISTRATIVA TRÀMITS CANALS DE COMUNICACIÓ CIUTADANA

Transparència  
Oferta Pública  
Perfil de Contractant  
Servei de premsa  
Hisenda  
Bústia Ètica i de Bon Govern  
Seu electrònica  
Grups polítics

EL WEB DE L'ALCALDESSA

MÉS ACCESSOS DIRECTES

# Ανταπόκριση των εφαρμογών «ευφυΐας» της πόλης κατά την εξάπλωση του COVID-19



#COVID19

## QUÈ ESTÀ PASSANT?

Estem patint una pandèmia causada per un nou virus que afecta especialment els malalts crònics i les pers grans. Seguint les indicacions de les autoritats sanitàries i en coordinació entre totes les administracions, her contagis i preservar el sistema de salut per a qui més ho necessita. Per combatre el coronavirus, cal que en casa i en sortim només si és imprescindible, sempre prenent precaucions d'higiene i seguretat.





#COVID19

## QUEDA'T A CASA

[Cuidar-nos](#) [Informació d'interès](#) [Serveis en funcionament](#)

### Cuidar-nos, el més important

Convertim casa nostra en un espai de cures i de suport mutu. A més, des de casa podem accedir a una gran oferta de serveis i recursos que ens facilitaran atendre les nostres necessitats i les dels altres.

- Cuida i empatitza
- Ajudem les persones vulnerables
- No baixis la guàrdia
- Gaudeix de la cultura
- Fes esport



### Informació d'interès

Recorda consultar únicament els canals d'informació oficials.

- Telefons d'utilitat
- Tràmits en línia i telefònics
- Quins tràmits municipals es poden fer de manera no presencial?

### Serveis en funcionament

L'activitat a la ciutat es redueix. Hi garantim, però, tots els serveis essencials:

- **Atenció a les dones víctimes de violència masclista**
- **Atenció telemàtica als i les joves**
- **Serveis socials bàsics.** El Centre d'Urgències i Emergències Socials de Barcelona (CUESB) funciona sense interrupció les 24 hores del dia.
- **Transport públic, amb una oferta adaptada a la situació.**
- Serveis de neteja i recollida de residus
- Guàrdia Urbana i Bombers
- Servei d'Atenció als Immigrants, Estrangers i Refugiats (SAIER).
- Mercabarna i l'Institut Municipal de **Mercats**, juntament amb tota la cadena d'abastiment alimentari.
- El transport de mercaderies, que ha flexibilitzat l'horari de càrrega i descàrrega.
- Serveis d'informació i de comunicació amb la ciutadania, així com el telèfon públic i gratuït 010 per donar informació actualitzada sobre els diferents serveis municipals.
- **Cementiris i serveis funeraris.**

Queda garantit el subministrament d'aigua, llum i gas.



<https://www.barcelona.cat/covid19/ca/quedat-casa>



www.barcelona.cat

Informació municipal actualitzada sobre les mesures de la Covid-19 aplicades a la ciutat

Barcelona cultura

ICUB Institut de Cultura

LA CULTURA T'ACOMPANYA

cultura.barcelona #EnsEnSortirem

BARCELONA DES DE CASA

social media icons: Facebook, Twitter, Instagram, YouTube, Print

QUAN: Tots els dies [CERCA] CATEGORIA: Totes [CERCA] CERCA AVANÇADA

Recomanem:

CIENCIA (+)



CULTURA A CASA (+)



TEATRE



CULTURA A CASA (+)



<https://www.barcelona.cat/barcelonacultura/ca>

## Barcelona **Llibres**

- 🏠
- PUBLICACIONS
- E-BOOKS**
- NOTÍCIES
- VIDEOS
- REVISTES
- ALTRES DOCUMENTS 📄

Inici / E-Books

Cerca per títol, autor, tema, ISBN... 🔍

### E-Books

#### El model de casa fàbrica als inicis de la industrialització

Registre de fàbriques de Ciutat Vella de Barcelona 1738-1807 / 1808-1856



Autor/s:

- Jaume Artigues
- Francesc Mas

Any: 2019 Preu: 0.00 €

Idioma de la publicació: Català

📄 Ebook

- Revolució Industrial
- Indústria
- Fàbriques
- Patrimoni
- Urbanisme
- Història
- Arquitectura

#### Arquitectura i fauna urbana

Solucions arquitectòniques en rehabilitacions i obra nova per integrar espais de nidificació i refugi



Autor/s:

- Sergi Garcia
- Laura Granell

Any: 2019 Preu: 0.00 €

Idioma de la publicació: Català

📄 Ebook

📄 Fer un tast

- Sostenibilitat
- Fauna urbana
- Urbanisme
- Arquitectura
- Medi ambient

#### Innovación en vivienda asequible Barcelona 2015-2018



Autor/s:

- David H. Falagan
- Ada Colau

Any: 2019 Preu: 0.00 €

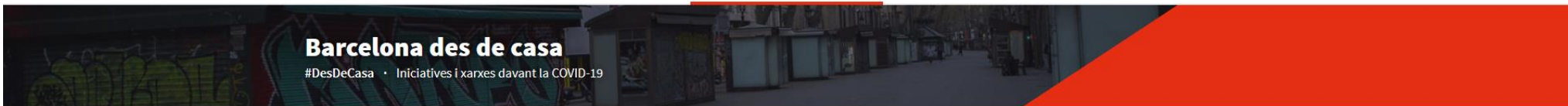
Idioma de la publicació: Castellà

També disponible en:  
[Català](#)  
[Anglès](#)

📄 Ebook

- Habitatge
- Ajuntament
- Espai públic
- Urbanisme
- Arquitectura
- Societat

<https://ajuntament.barcelona.cat/barcelonallibres/ca/e-books>



## Barcelona des de casa

#DesDeCasa · Iniciatives i xarxes davant la COVID-19

QUÈ ÉS? **INICIATIVES** LA PLAÇA INFORMACIÓ ÚTIL

### Esport des de casa amb BCN Esport

BCN des de casa | 21/03/2020 16:46

Davant aquest dies de confinament i per tal de que els nostres esportistes no perdin la forma física i que el temps passi d'una manera més entretinguda, hem pensat en penjar varies rutines de mobilització (2-3 vídeos a la setmana) que podreu realitzar en espais interiors i amb materials que tothom tingui en el seu entorn més proper. Us demanem que feu la màxima difusió entre les llars, centres residencials i famílies, a veure si entre tot/totes aconseguim moure'ns per mantenir-nos una mica més ocupats i no perdre la forma física. Enllaç:

<https://www.youtube.com/watch?v=PWVX8lzZg8Y> Més info: <http://www.bcnesport.es/>

Esports

🗣️ 0 M'AGRADA

🗨️ 0

👤 23

Seguir

Referència: BCN-PROP-2020-03-21461

VERSIÓ 1 (de 1) [veure altres versions](#)

[Verifica l'empremta digital](#)

[Compartir](#)

[Incrusta](#)

#### IMATGES RELACIONADES



<https://www.decidim.barcelona/assembleies/BCNdesdecasa/f/3830/proposals/21461>

Recorda consultar únicament els canals d'informació oficials.

☑️ **Telèfons d'utilitat** ▾

☒ **Tràmits en línia i telefònics** ▲

Tots els tràmits que es feien a les Oficines d'Atenció Ciutadana es faran exclusivament mitjançant el 010 i el portal de tràmits municipal.

[Portal de tràmits](#)

☑️ **Quins tràmits municipals es poden fer de manera no presencial?** ▾

## Serveis en funcionament

L'activitat a la ciutat es redueix. Hi garantim, però, tots els serveis essencials:

- **Atenció a les dones víctimes de violència masclista**
- **Atenció telemàtica als i les joves**
- **Serveis socials bàsics.** El Centre d'Urgències i Emergències Socials de Barcelona (CUESB) funciona sense interrupció les 24 hores del dia.
- **Transport públic,** amb una **oferta adaptada a la situació.**
- Serveis de neteja i recollida de residus
- Guàrdia Urbana i Bombers
- Servei d'Atenció als Immigrants, Estrangers i Refugiats (SAIER).
- Mercabarna i l'Institut Municipal de **Mercats**, juntament amb tota la cadena d'abastiment alimentari.
- El transport de mercaderies, que ha flexibilitzat l'horari de càrrega i descàrrega.
- Serveis d'informació i de comunicació amb la ciutadania, així com el telèfon públic i gratuït 010 per donar informació actualitzada sobre els diferents serveis municipals.
- **Cementiris i serveis funeraris.**

Queda **garantit el subministrament d'aigua, llum i gas.**



<https://www.barcelona.cat/covid19/ca/quedat-casa>

www.barcelona.cat

Search in barcelona.cat... English


Info Barcelona

COVID-19 CLIMATE EMERGENCY LOW EMISSIONS ZONE HOUSING MORE


Start / Covid-19

## Covid-19


Starting date End date Filter




**Don't go anywhere this weekend unless it's essential**  
27/03/2020 09:53 h





**Four facilities to be transformed to care for patients with Covid-19**  
26/03/2020 20:05 h



**'Barcelona des de casa', the website with information, resources and care advice to tackle Covid-19**  
26/03/2020 18:03 h







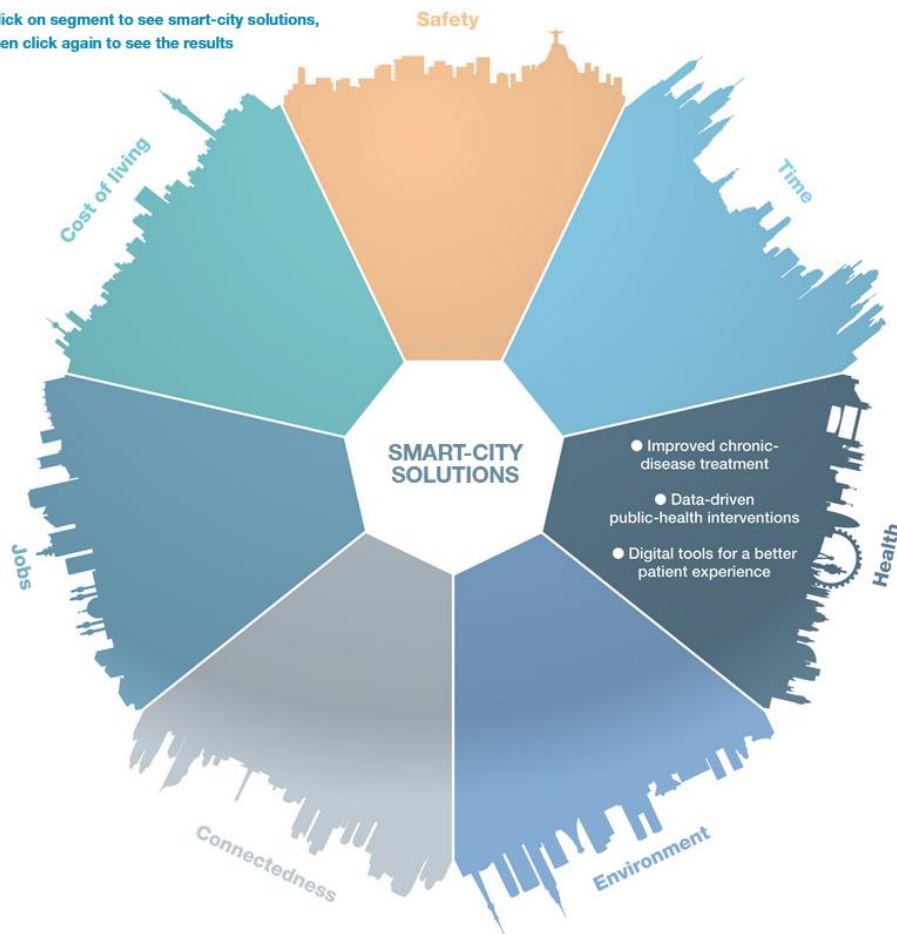
<https://www.barcelona.cat/infobarcelona/en/tema/information-about-covid-19>





Smart solutions can improve multiple aspects of the quality of life in cities.

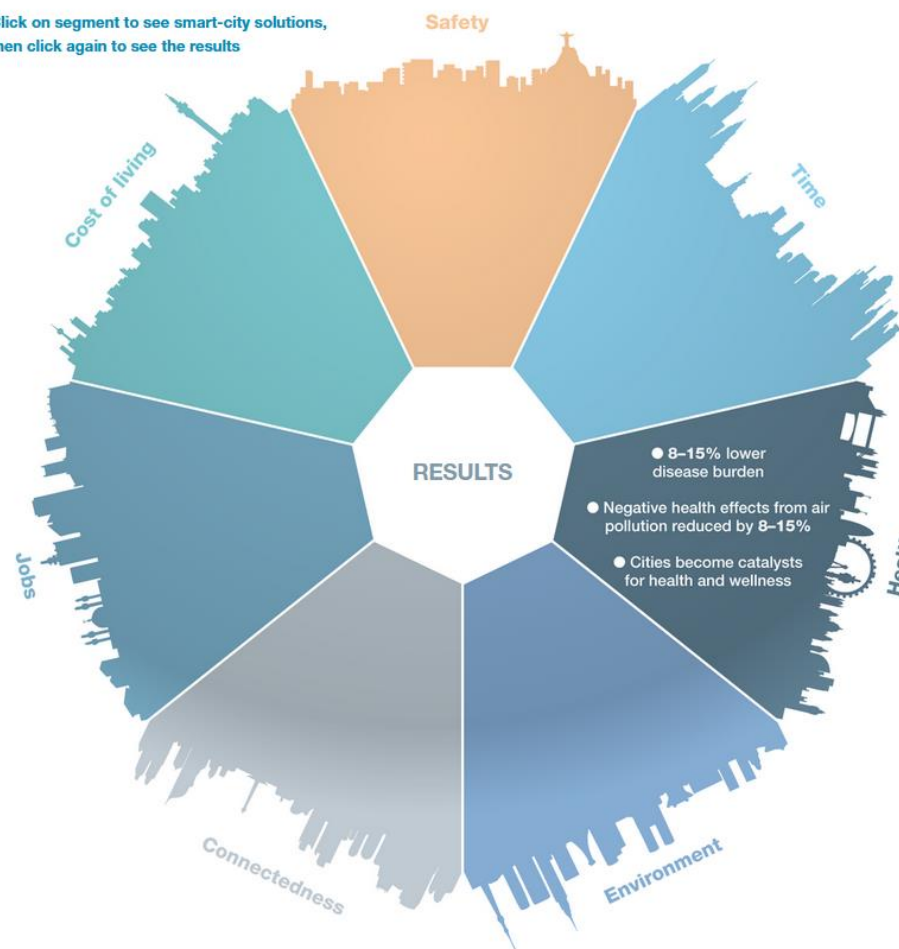
Click on segment to see smart-city solutions, then click again to see the results



McKinsey&Company Source: McKinsey Global Institute analysis

Smart solutions can improve multiple aspects of the quality of life in cities.

Click on segment to see smart-city solutions, then click again to see the results



McKinsey&Company Source: McKinsey Global Institute analysis

<https://www.mckinsey.com/industries/capital-projects-and-infrastructure/our-insights/smart-cities-digital-solutions-for-a-more-livable-future>

# Προτάσεις

- Κοινά πρωτόκολλα
- Τυποποίηση των προτύπων
- Βέλτιστη επικοινωνία μεταξύ των φορέων άσκησης πολιτικής
- Βέλτιστη επικοινωνία μεταξύ των πόλεων

*Ενδιαφέρουσα προσέγγιση από:*

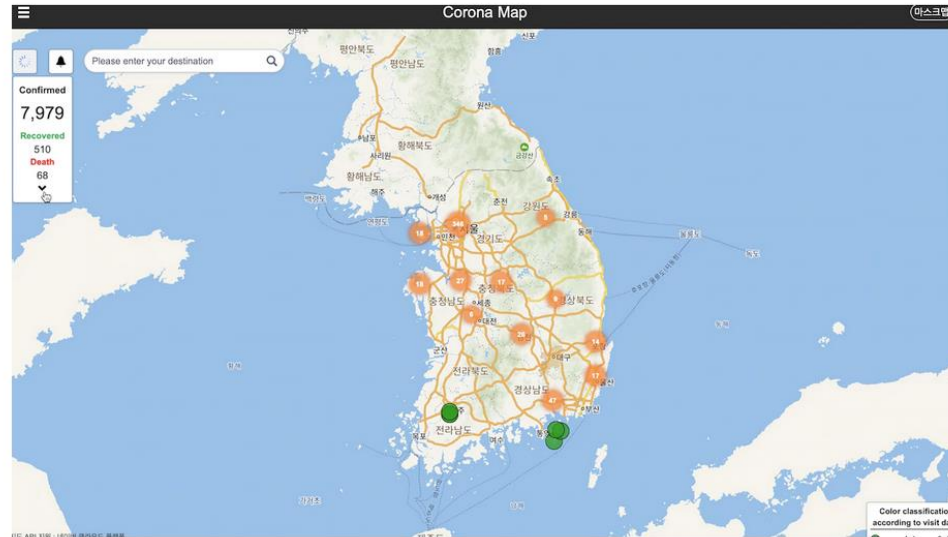
*Allam, Z.; Jones, D.S. On the Coronavirus (COVID-19) Outbreak and the Smart City Network: Universal Data Sharing Standards Coupled with Artificial Intelligence (AI) to Benefit Urban Health Monitoring and Management. Healthcare 2020, 8, 46.*



<https://www.theguardian.com/world/2020/mar/26/life-after-coronavirus-pandemic-change-world>

- 🏠 Home
- 📄 Share
- 💬 1

“Yes, Auntie, this is the drone speaking to you,” a voice booms over an elderly Chinese woman, according to the Global Times’s English translation. “You shouldn’t walk about without wearing a mask.”



Private developers in South Korea are using government data to map the novel coronavirus hot spots. (Courtesy of coronamap.site)

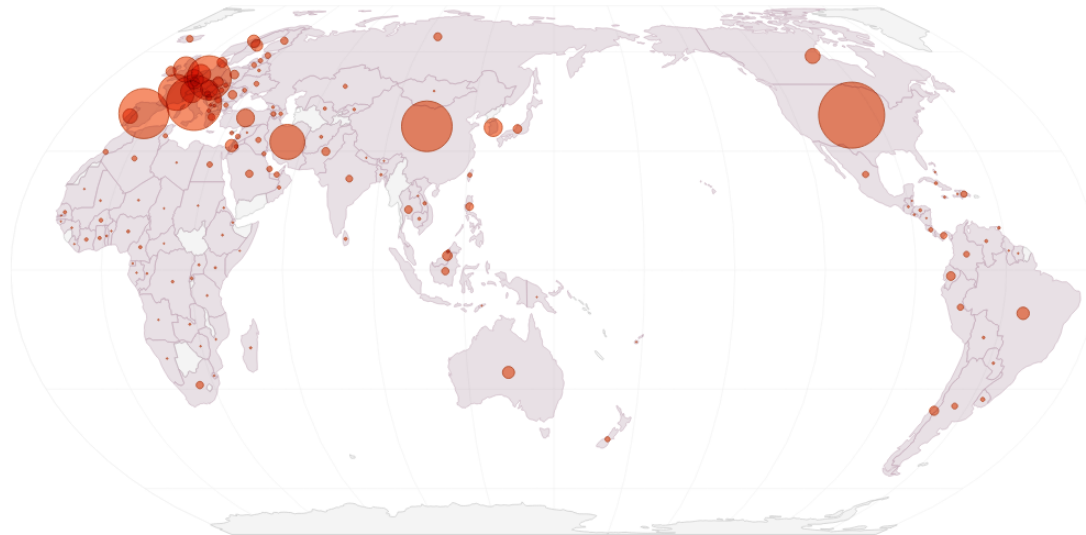
It’s unclear how much of South Korea’s tracking has lessened the number of possible infections. A certainty though, is that it has attracted “voyeuristic gazes from the people,” said Yoon In-jin, a professor of sociology at Korea University in Seoul.

[https://www.washingtonpost.com/world/asia\\_pacific/coronavirus-south-korea-tracking-apps/2020/03/13/2bed568e-5fac-11ea-ac50-18701e14e06d\\_story.html](https://www.washingtonpost.com/world/asia_pacific/coronavirus-south-korea-tracking-apps/2020/03/13/2bed568e-5fac-11ea-ac50-18701e14e06d_story.html)

## Where has it spread in the world?

Confirmed cases  
**720,117**

Reported deaths  
**33,925**



Country	Confirmed cases	Change from Saturday	Deaths
U.S.	140,886	▲ 19,408 +16%	2,467
Italy	97,689	▲ 5,217 +6%	10,779
China	82,122	▲ 123 0%	3,304

<https://www.washingtonpost.com/health/2020/02/28/what-you-need-know-about-coronavirus/?arc404=true>



# SAN FRANCISCO – Δράσεις προς μια ευφυή πόλη



The screenshot shows a website page for San Francisco, Moscone Center, titled "GREEN CITY". The page features a navigation bar with "EXPLORE", "PLAN", and "SEARCH" options. Below the navigation bar, there is a main heading "GREEN CITY" and a sub-heading "San Francisco has long been at the forefront for green initiatives among large U.S. cities, so if your attendees are interested in making their meeting environmentally friendly there's no better place to be." The page is divided into two main sections: "MEETING PLANNERS" and "MEETING FACILITIES". The "MEETING PLANNERS" section includes links for "HOTEL OPPORTUNITY DATES", "'PICK TWO' PROMOTIONS", and "CONVENTION CALENDAR". The "MEETING FACILITIES" section includes links for "VENUE AND SUPPLIER SEARCH" and "MOSCONE CENTER". The page also features a sidebar with social media sharing options (Facebook, Twitter, Google+, Pinterest, Email, and Print) and a "Shares" counter. The "MEETING PLANNERS" section includes a "SUBMIT AN RFP" button, a "MEET CONVENTION SALES TEAM" button, and a "CONTACT US" button.



### GREENING STATE BUILDINGS FOR A BRIGHTER FUTURE

State departments across California are adopting a green way of thinking about their facility operations. Under the leadership of Governor Edmund G. Brown Jr., California has undertaken an ambitious effort to green the state's buildings and save taxpayer dollars in the process.

PERCENT CHANGE IN GRID ENERGY USAGE BY DEPARTMENT FROM 2003 TO 2018



California Governor  
**Gavin Newsom**  
Visit Governor's Website

#### LARGEST USERS

Grid Energy Consumption



<https://www.green.ca.gov/buildings>

- [Green Connections](#)
- [SF Plant Finder](#)

## Neighborhood-scale Sustainability

The San Francisco Eco-District program endeavors to amplify sustainability performance and co-benefits through neighborhood-scale projects. The Sustainable City Team works with stakeholders, partner agencies, developers, and utilities to develop policies and programs that exceed City goals and requirements. By leveraging innovative and systems-based solutions (beyond the building scale), these intentionally "green" neighborhoods are more effective and efficient.

Related projects include:

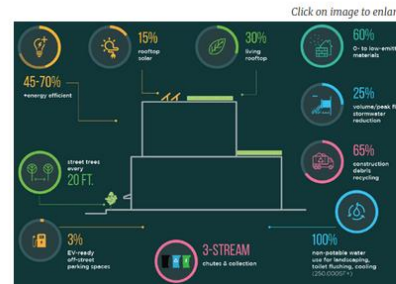
- Sustainable Chinatown
- [Central SoMa Eco-District](#)
- [Mission Rock](#)
- [Pier 70](#)
- India Basin



## Building-scale Sustainability

The Sustainable City Team coordinates with other City agencies on green building policy and studies that address improving the efficiency and sustainability of the City's new and existing building stock.

- [Green Building Task Force](#)



<https://sfplanning.org/project/sustainable-city#info>



Reset Map Back

Map Satellite Hybrid



**Welcome Legend**

**Markers**

- Municipal
- Commercial
- Non-profits
- Environmental Justice Program
- Case Study
- Residential
- Schools/Libraries
- Monitoring stations

Don't see your solar installation as the map?

**What Can Solar Do For You?**

Enter your address  
 (ex. 11 Grove Street or 11 Grove St)

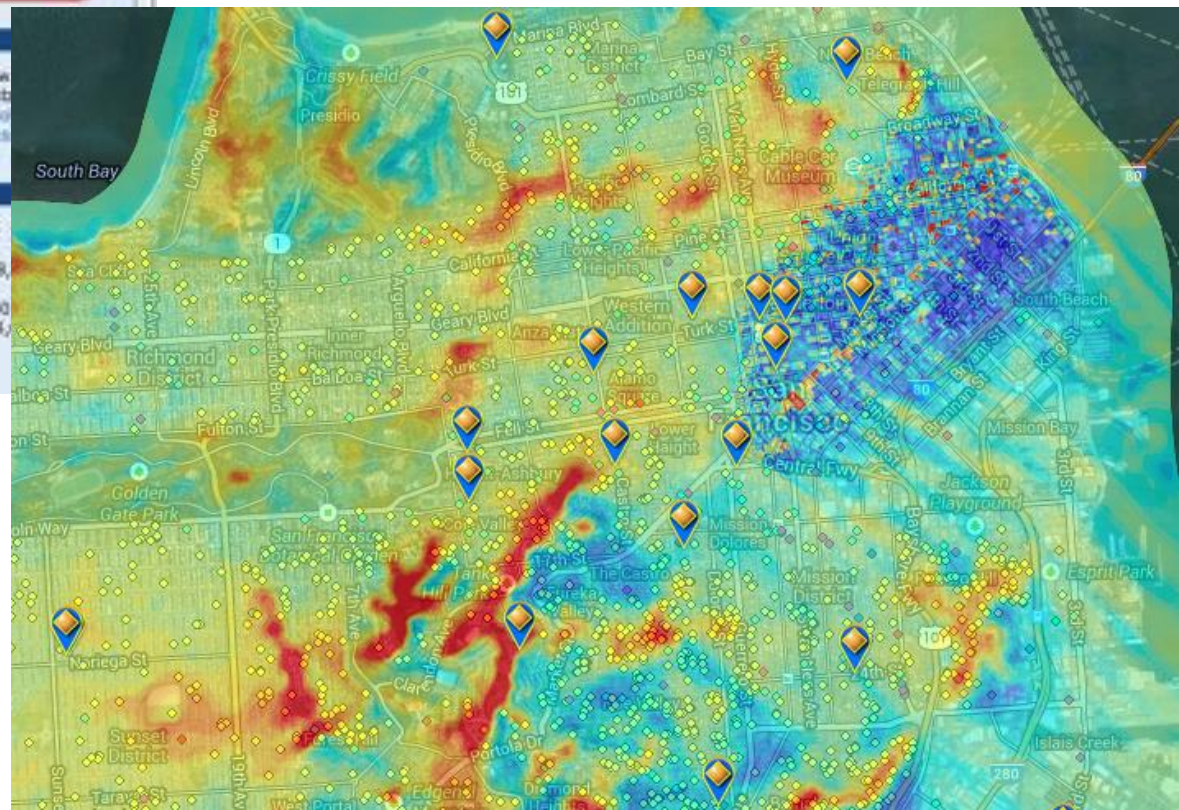
SEARCH

**SF Solar News**

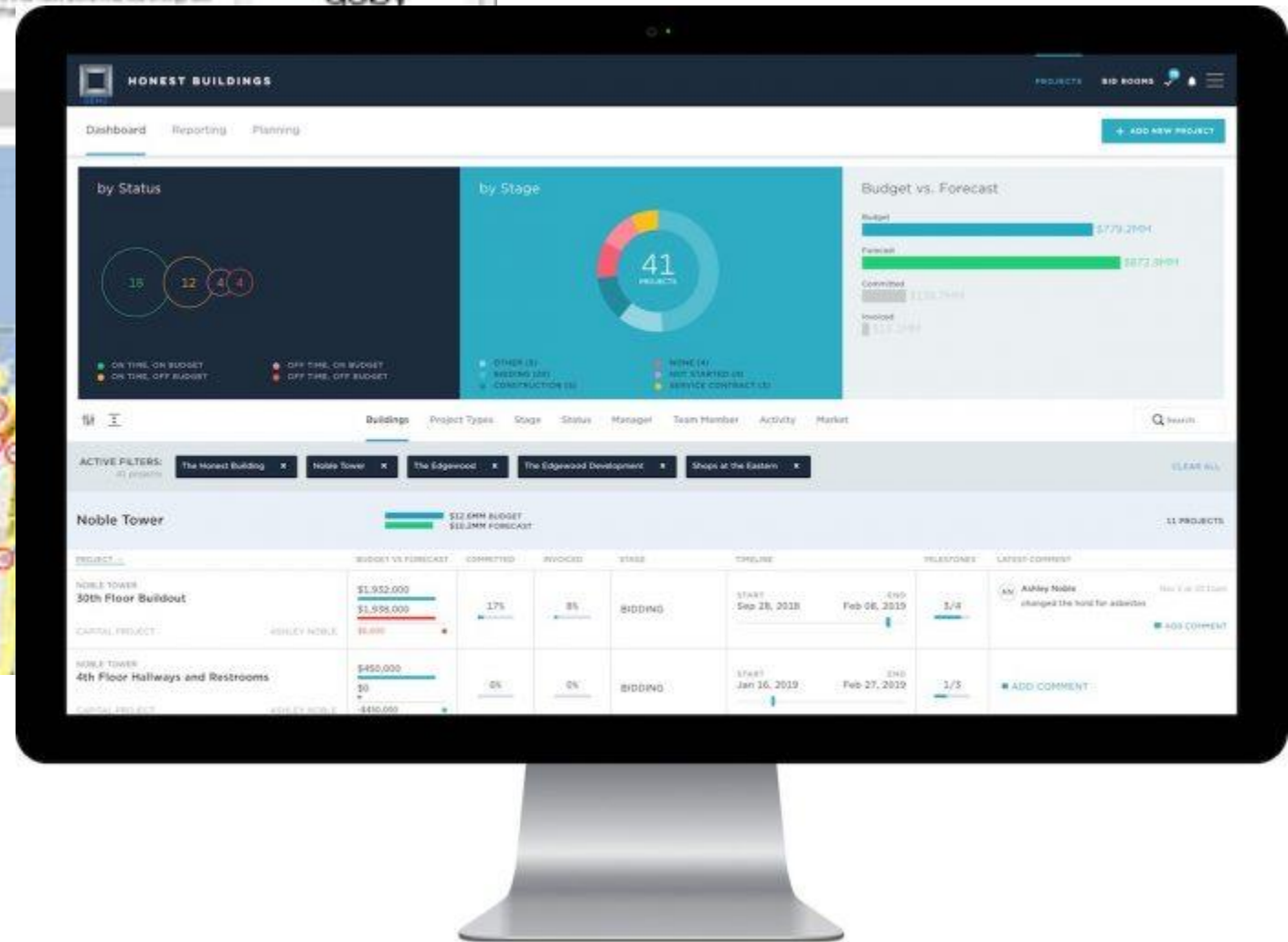
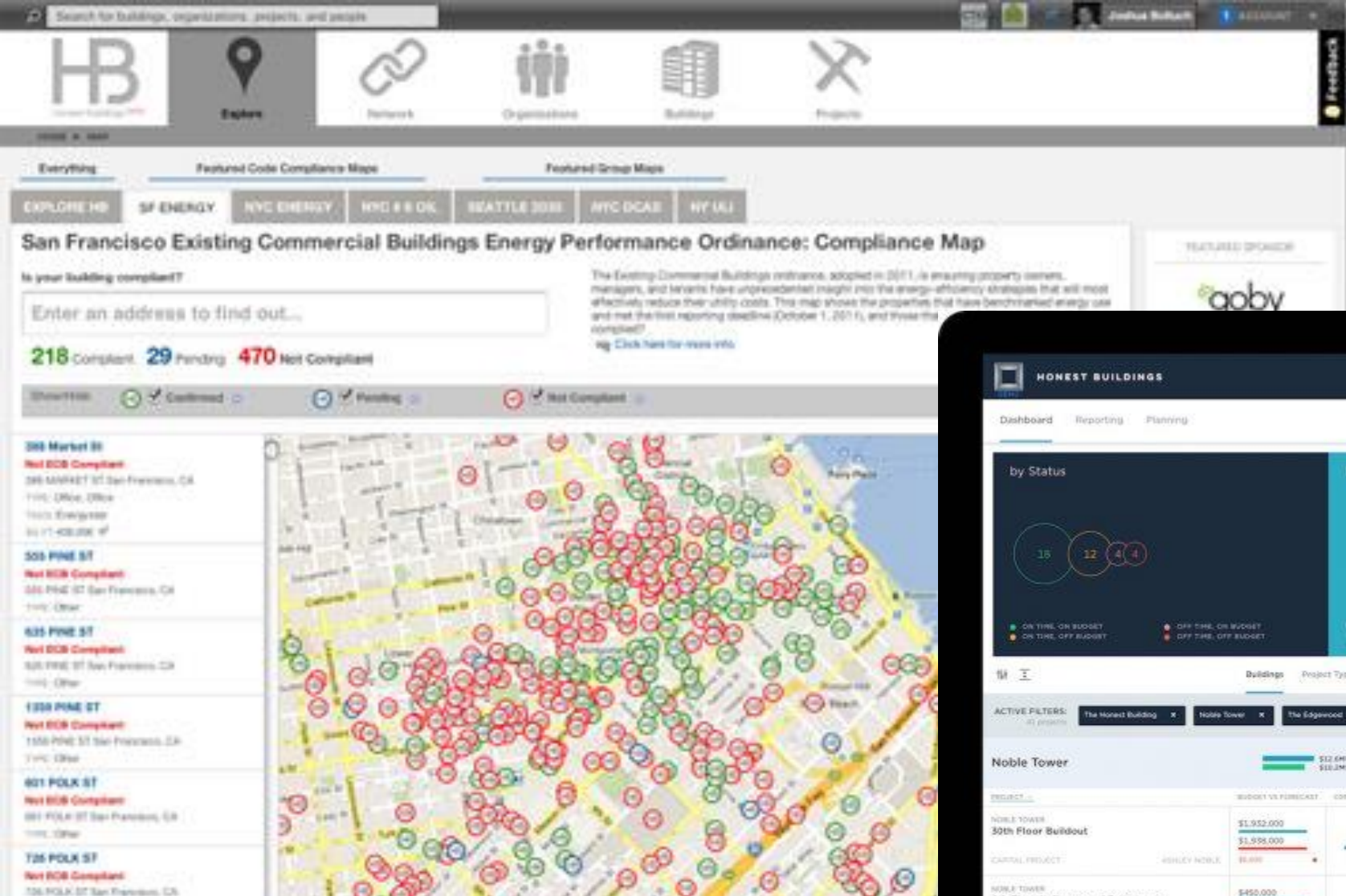
- JUST PASSED:** Find out how much money from the City to invest
- Become a Neighborhood Solar
- SF's solar permitting process
- Free Solar Classes

**SF Solar Facts**

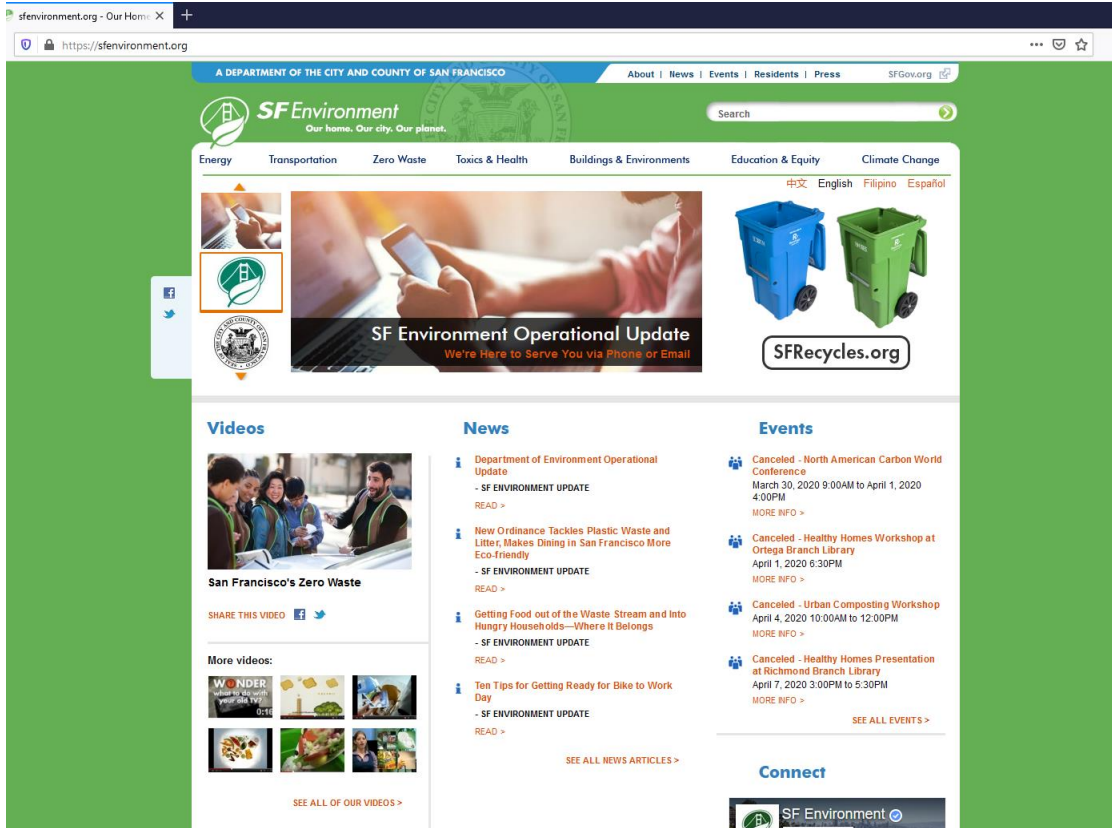
- PV Systems Installed: 795
- Total capacity: 5.4MW
- Annual Energy produced: 8,000 MWh
- Annual savings: \$1,458,000
- Annual CO2 savings: 6,604,000 lbs







<https://news.theregistrysf.com/techview-honest-buildings-provides-property-owners-untapped-insight-into-project-capital-flows/>



<https://sfenvironment.org/>



## My SF Muni Next Bus

Stephanie Chang Χάρτες και πλοήγηση

★★★★★ 3

1 PEGI 3

Περιέχει διαφημίσεις

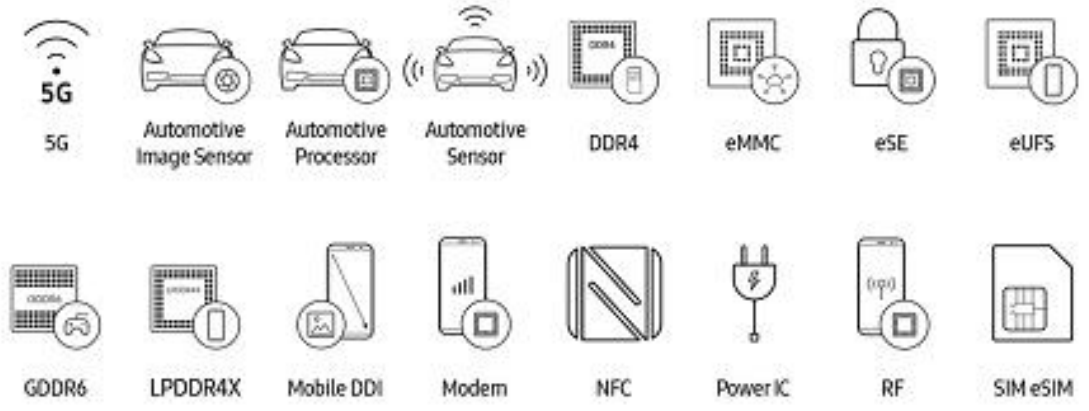
➕ Προσθήκη στη λίστα επιθυμιών

Εγκατάσταση







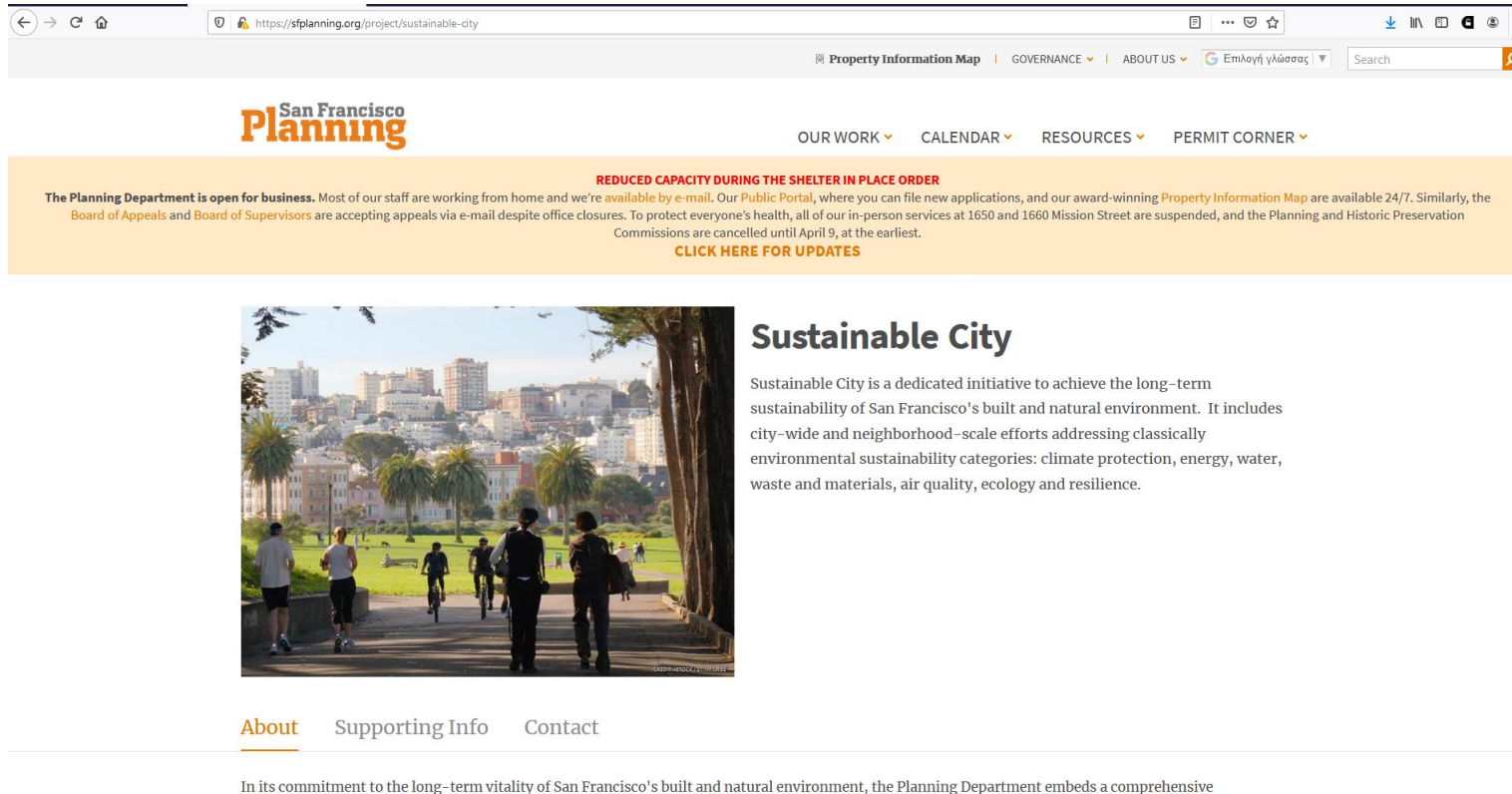




# Συμπέρασμα

- Συγχώνευση των στόχων της βιωσιμότητας με την καθαρή τεχνολογία, τη μεταφορά, την ενέργεια, τα απόβλητα, το δομημένο περιβάλλον και άλλους τομείς για μέγιστη αποτελεσματικότητα και περιβαλλοντικό όφελος.
- Οι τεχνολογικές λύσεις και η αυξημένη ανταλλαγή πληροφοριών μπορούν να βοηθήσουν το Σαν Φρανσίσκο να γίνει μια πραγματικά έξυπνη και βιώσιμη πόλη.

# Ανταπόκριση των εφαρμογών «ευφυΐας» της πόλης κατά την εξάπλωση του COVID-19



The screenshot shows a web browser window with the URL <https://sfplanning.org/project/sustainable-city>. The page features the San Francisco Planning logo and a navigation menu with links for OUR WORK, CALENDAR, RESOURCES, and PERMIT CORNER. A prominent orange banner contains the following text: **REDUCED CAPACITY DURING THE SHELTER IN PLACE ORDER**. The Planning Department is open for business. Most of our staff are working from home and we're available by e-mail. Our Public Portal, where you can file new applications, and our award-winning Property Information Map are available 24/7. Similarly, the Board of Appeals and Board of Supervisors are accepting appeals via e-mail despite office closures. To protect everyone's health, all of our in-person services at 1650 and 1660 Mission Street are suspended, and the Planning and Historic Preservation Commissions are cancelled until April 9, at the earliest. **CLICK HERE FOR UPDATES**

The main content area is titled **Sustainable City** and includes a photograph of a park with people walking and a cityscape in the background. The text below the image reads: Sustainable City is a dedicated initiative to achieve the long-term sustainability of San Francisco's built and natural environment. It includes city-wide and neighborhood-scale efforts addressing classically environmental sustainability categories: climate protection, energy, water, waste and materials, air quality, ecology and resilience.

Navigation links include **About**, Supporting Info, and Contact. At the bottom, a partial sentence reads: In its commitment to the long-term vitality of San Francisco's built and natural environment, the Planning Department embeds a comprehensive

<https://sfplanning.org/project/sustainable-city>



**REDUCED CAPACITY DURING THE SHELTER IN PLACE ORDER**

The Planning Department is open for business. Most of our staff are working from home and we're available by e-mail. Our Public Portal, where you can file new applications, and our award-winning Property Information Map are available 24/7. Similarly, the Board of Appeals and Board of Supervisors are accepting appeals via e-mail despite office closures. To protect everyone's health, all of our in-person services at 1650 and 1660 Mission Street are suspended, and the Planning and Historic Preservation Commissions are cancelled until April 9, at the earliest.

[CLICK HERE FOR UPDATES](#)

- General Information Services
- New Applications
- Commission Hearings
- Public Notices
- Small Businesses
- Appeals
- Additional Resources

# SF PLANNING'S RESPONSE TO SHELTER IN PLACE ORDER

[CITY INFO ON COVID-19 >](#)

Last Updated: March 27, 2020

The Planning Department is open for business. Most of our staff are working from home and we're available by email. Due to the Shelter in Place Order issued by the Health Officer of the City and County of San Francisco, the Planning Department office at 1650 Mission Street and the Planning Information Center at 1660 Mission Street both are closed to the public. Adjustments we've made to address the Shelter in Place Order are described below, and will be updated as we continue to respond to the changing situation.

For the latest information on the City's response to the COVID-19 public health emergency, please visit the City's website.

## General Information Services

Item	Details
------	---------

<https://sfplanning.org/permit/sf-plannings-response-shelter-place-order>



## Department of Environment Operational Update

Thank you for visiting our website. By order of the San Francisco Department of Public Health, effective March 17 through April 7, all residents of the City and County of San Francisco are required to shelter at their place of residence except for essential needs or unless performing an essential job function, as defined [here](#).

The Department of Environment offices are closed, but employees and staff are working remotely. To reach Department staff, please refer to the following condensed directory:

Front Desk Phone (forwarded): (415) 355-3700

Press Inquiries: [envcommunications@sfgov.org](mailto:envcommunications@sfgov.org)

General Inquiries: [environment@sfgov.org](mailto:environment@sfgov.org)

## Important Messages

### Commission Meetings

- The Commission on the Environment meeting for March 24 has been cancelled.
- Until City Health Orders are lifted, it is likely that other Commission and Subcommittee meetings will be cancelled.

### Refuse Services

- Most refuse services, including collection, continue to be provided by Recology. For updated Recology service information please visit: <https://www.recology.com/recology-san-francisco/>

### Emergency Ride Home program

- The [Emergency Ride Home](#) program continues to be available to individuals who work in San Francisco who are fulfilling essential job functions, and all requests will continue to be evaluated based on the program's eligibility criteria.
- Taxi and public transportation services are essential and will continue to be available. SFMTA is advising people not to ride Muni if you are feeling ill, except as necessary to seek medical care after consulting with your medical provider. For transportation updates, please visit [SFMTA's website](#). For questions about the Emergency Ride Home program,

<https://sfenvironment.org/department-of-environment-operational-update>



# Ανταπόκριση των εφαρμογών «ευφυΐας» της πόλης κατά την εξάπλωση του COVID-19

## Η περίπτωση της Λάρισας

Ψηφιακή Πύλη Δήμου Λαρίσας  
https://www.larissamazi.gr

ΔΗΜΟΣ ΛΑΡΙΣΑΙΩΝ  
MUNICIPALITY OF LARISSA

ΑΡΧΙΚΗ ΚΕΝΤΡΟ ΒΟΗΘΕΙΑΣ ΓΙΑ ΟΣΟΥΣ ΕΧΟΥΝ ΑΝΑΓΚΗ ΥΠΗΡΕΣΙΕΣ ΓΙΑ ΟΛΟΥΣ ΔΡΑΣΕΙΣ ΣΤΗΝ ΠΟΛΗ ΠΟΛΙΤΙΣΜΟΣ – ΨΥΧΑΓΩΓΙΑ ΕΘΕΛΟΝΤΙΣΜΟΣ-ΧΟΡΗΓΙΕΣ ΝΕΑ

**Είμαστε μαζί**

ΜΕΝΟΥΜΕ ΣΠΙΤΙ

Γραμμή Ψυχολογικής Στήριξης  
Ανακοινώσεις – Πληροφορίες σχετικά με τον κορονοϊό  
Εφημερεύοντα Νοσοκομεία και Φαρμακεία  
Λειτουργία Δημοτικών Υπηρεσιών  
Βεβαιώσεις μετακινήσεων

**Ο σκοπός μας**

Σε μια ακόμη κρίση, σε μια περίοδο δύσκολη για όλους μας, η Λάρισα καλείται να στηρίξει τους πολίτες της. Χωρίς εξαιρέσεις, χωρίς διακρίσεις. Με σεβασμό στον άνθρωπο και στην αξιοπρέπεια του.

Ο Δήμος Λαρισαίων δημιούργησε μια ειδική ιστοσελίδα, για τους δημότες που βρίσκονται σε αυτοπεριορισμό, εξαιτίας του νέου κορονοϊού. Εδώ μπορείτε να βρείτε χρήσιμες πληροφορίες για τις κοινωνικές υπηρεσίες που προσφέρει ο Δήμος Λαρισαίων σε όσους μένουν στο σπίτι, ή σε ομάδες και κατηγορίες πολιτών με αυξημένες ανάγκες, όπως ηλικιωμένοι, ευπαθείς ομάδες, ασθενείς ή άνθρωποι με οικονομικά προβλήματα που υποστηρίζονται από το Κοινωνικό Παντοπωλείο.

Μπορείτε επίσης να βρείτε χρήσιμες πληροφορίες για την αξιοποίηση του χρόνου στο σπίτι. Παραγωγές των πολιτιστικών δομών του Δήμου Λαρισαίων, προγράμματα εκπαίδευσης του Υπουργείου Παιδείας, αλλά και ψυχαγωγικά προγράμματα για όλη την οικογένεια.

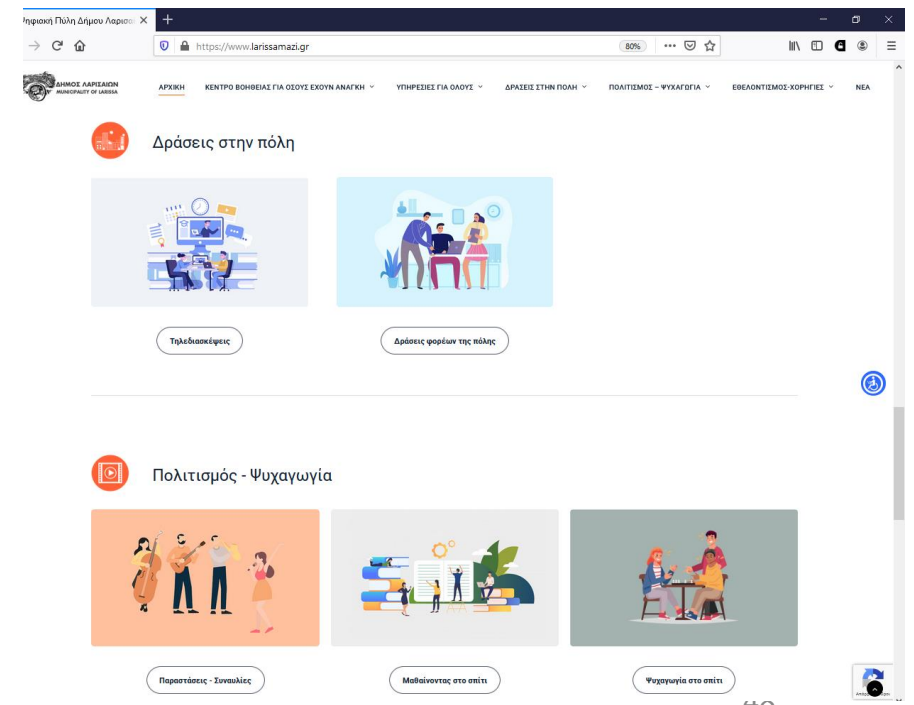
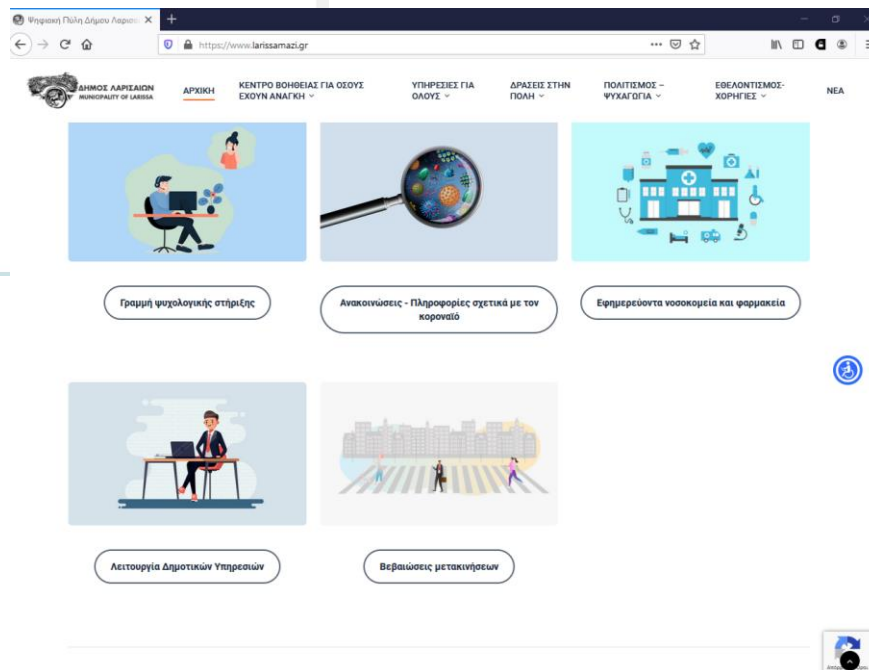
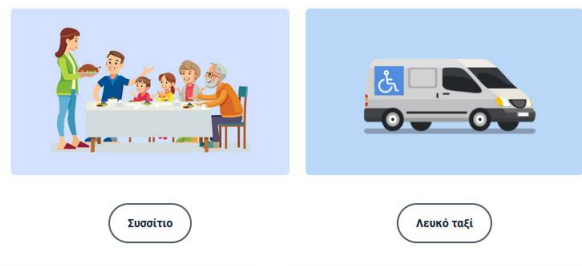
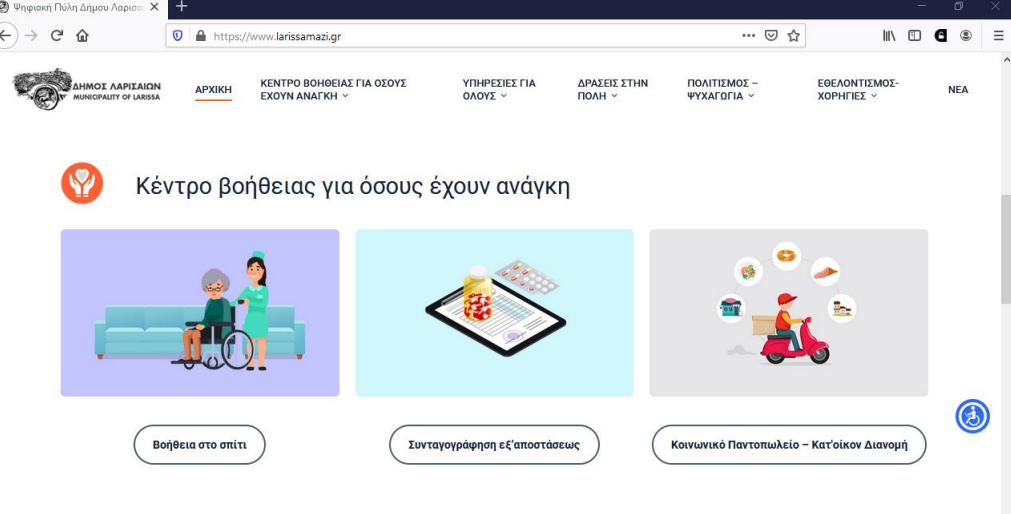
https://www.larissamazi.gr/#

ΔΡΑΣΕΙΣ ΣΤΗΝ ΠΟΛΗ ΠΟΛΙΤΙΣΜΟΣ – ΨΥΧΑΓΩΓΙΑ

Τηλεδιασκέψεις  
Δράσεις φορέων στην πόλη

Παραστάσεις – Συναυλίες  
Μαθαίνοντας στο σπίτι  
Ψυχαγωγία στο σπίτι  
Άθληση στο σπίτι  
Ψηφιακή βιβλιοθήκη  
Περιήγηση σε μουσεία

Γίνε εθελοντής  
Γίνε χορηγός



<https://www.larissamazi.gr/>