

# Learnings from other cities – *Barcelona*

## Ethical Digital Standards and Cities Coalition for Digital Rights: Open-source policy guidelines for cities

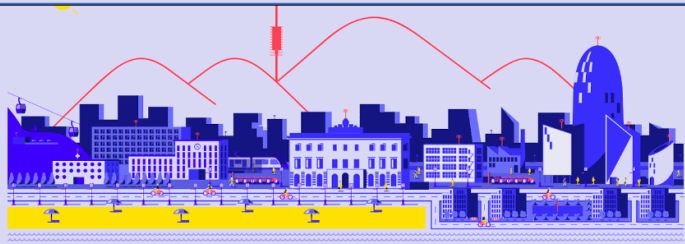
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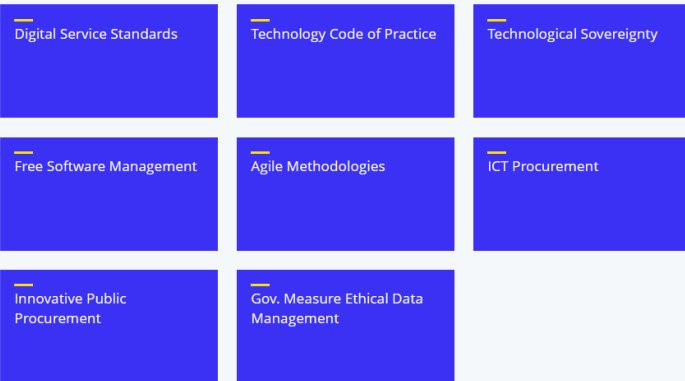
Looking for the answer to a single question:

How can cities ensure their own and their citizens' sustainable technological sovereignty?



## Ethical Digital Standards: A Policy ToolKit

An open source Policy Toolkit for cities to develop digital policies that put citizens at the center and make Governments more open, transparent, and collaborative.



Manifesto in favor of technological sovereignty and digital rights for cities

[VIEW MANIFESTO](#)

The Barcelona City Council **Open Digitization Plan** defines a process of profound, progressive change in the way the city will develop and offer its services to its citizens.

It aims for radical improvement in digital public services, based on our **Ethical Digital Standards**, including in particular the use of free software, open standards, data sovereignty, developing digital services in an agile manner, and ensuring **privacy, ethics and security by design**.

Through the **open data and data commons strategies**, and the use of **free software tools**, Barcelona aims to guarantee improvements in **transparency and interoperability** based on open data formats and a set of interoperable and reusable applications and services, while adopting privacy-enhancing and rights-preserving technologies that protects' **citizens information self-determination**.

The **Cities Coalition for Digital Rights**, aims to promote, protect and uphold human rights on the internet at the local and global level.

With the support of the UN Human Settlements Program (UN-Habitat), UCLG and Eurocities, we share best practices, learn from each other's challenges and successes, and **coordinate common initiatives and actions**. Inspired by the Internet Rights and Principles Coalition (IRPC) the work of 300 international stakeholders over the past ten years.

# CITIES COALITION FOR DIGITAL RIGHTS



An open source Policy Toolkit for cities to develop digital policies that put citizens at the center and make governments more open, transparent, and collaborative.



### Digital services standard

To create, manage and deliver agile and open digital services for citizens.



### Code of technological practices

Series of guidelines for implementing technological projects with free software technologies, open standards and agile methodologies.



### Guide on Agile Methodologies

To implement agile methodologies under Barcelona City Council's agile transformation strategy.



### Public procurement of technology

New model of relations with technology suppliers by including contractual clauses on data sovereignty, so that suppliers have to transfer data to the City Council in a machine-readable format.



### Technological sovereignty

For adopting free software and open standards so as to achieve technological sovereignty and recover democratic control of technology and data.



### Responsible and ethical data strategy

For the responsible and ethical management of the city's data. This establishes a common data roadmap for restoring the control of personal data to citizens.

# Ethical Digital Standards Toolkit

- A series of guides and policies that are reusable and adaptable
  - Outlines Barcelona's digital strategy
  - Establishes policies and processes for digital services
  - Is a shared resource for cities
- Focusing on
  - Technological Sovereignty (data, services)
  - Putting the citizen back at the centre of digital policy making and services
  - Embedding digital rights in policies, design and deployment of digital services
  - Data-driven policies and ethical data management
  - Agile and Innovation oriented

# Open Source Toolkit

Key Element	Objective
Digital Service Standards	Set of 16 standards to be conformed with for all digital projects, including “ <b>We start with user needs</b> ” – “ <b>We use open code and open standards</b> ” and “ <b>We understand security, privacy and ethical issues</b> ”.
Technology Code of Practice	List of clear and direct <b>principles and requirements</b> to enable those in charge of governance and management of digital service projects to ensure that they are in line with the Council’s strategy
Technological Sovereignty Guide	Supporting document for the Technology Code of Practice that puts the concept of <b>technological sovereignty</b> into practice, rolling out <b>open technologies and free software</b> (formats, code, data)
Free Software Management Guide	A series of measures and recommendations to help staff of the Barcelona ICT support entity in their daily work on <b>projects based on free software</b> : development, procurement, licensing, contributing to projects
ICT Procurement Guide	A general overview of the municipal strategy for the <b>procurement of technology</b> and technology services in order to implement the Digital Service Standards, including relationship management, (open) data model and free technologies
Ethical Data Management Decree	A global vision of and strategy for the City Council’s data-management plan and the proposed changes towards <b>the responsible and ethical use of data</b> .

# Manifesto in favor of technological sovereignty and digital rights for cities

- **Our values and beliefs**

- We believe in **technological sovereignty** for cities, for full control and autonomy of their Information and Communications Technologies (ICTs), including service infrastructures, websites, applications and data, in compliance with and with the support of laws that protect the interests of municipalities and their citizens.
- We believe that **citizens' digital rights** must be placed at the centre of cities' digital policies and protected through the implementation of Technological Sovereignty and digital democracy policies.
- We believe that **Free Software, Open Data and Open Standards, Document and Data formats and communication protocols** are the bases for technological sovereignty for cities and best support the digital rights of our citizens
- We believe that **Open City Data** is a necessary element of technological sovereignty and must be managed and provided in an ethical, transparent, accessible and sustainable manner.



## Shock Plan for Digital Inclusion in Barcelona

- Improve access to digital tools
- Citizen training



The long  
and  
winding  
road...



CityThon –  
urban  
mobility

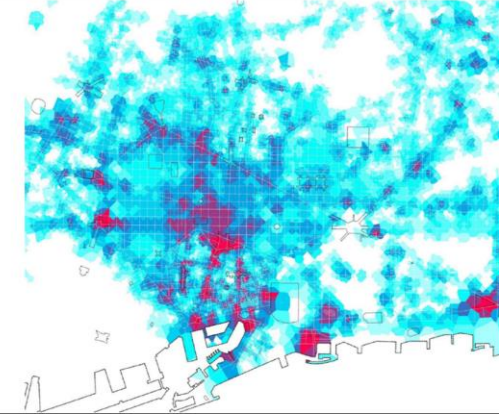
Open Data  
Challenges

DECODE –  
data  
sovereignty

WORLD  
DATA VIZ  
Challenge

DEcentralised Citizens Owned  
Data Ecosystem:

Data sovereignty for citizens



DECIDIM.BARCELONA

Digital Democracy

Buscar

Castellano

Registrate

Entra

Inicio

Procesos participativos

Órganos de participación

Iniciativas

Rendición de cuentas

Ayuda

¡Construimos la Barcelona  
que queremos!

¡PARTICIPA!

Bienvenida a la plataforma participativa decidim.barcelona.

## Digital Empowerment: Education, Inclusion, Democracy

Featured projects



STEAM BCN

Featured projects

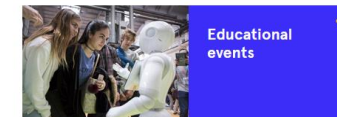


Technology and  
Gender

Featured projects



"What if...?  
Conversation  
cycle  
#desdecasa"



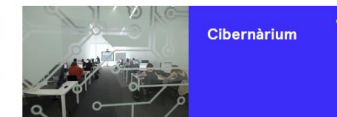
Educational  
events



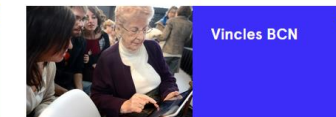
Rec, Barcelona's  
social currency



Cities Coalition  
for Digital Rights



Cibernàrium



Vincles BCN



Decidim  
Barcelona

More projects about Digital  
education and training

More projects about Digital  
inclusion

More projects about Democracy  
and Digital Rights

With a little bit of help from my friends...



Indra Club, Hamburg, 17 August 1960.



# CITIES COALITION FOR DIGITAL RIGHTS

To protect and uphold digital rights at the local and global level



## Objectives

- Improved **policies, laws, plans and strategies** for better open and ethical digital service standards at the city and global level.
- Improved access to **affordable and accessible internet** and digital services on equal terms, as well as the **digital skills** to make use of this access and overcome the digital divide
- Improved **privacy** and control over personal information through data protection in both physical and virtual places
- Increased understanding of the **technological, algorithmic and artificial intelligence systems** that impact their lives, and the ability to question and change unfair, biased or discriminatory systems
- Managing our digital infrastructures and data as a **common good**

The Cities Coalition for Digital Rights, launched by the Cities of **Amsterdam, Barcelona** and **New York** in November 2018 and now with a membership of over 50 cities worldwide, is a network of cities helping each other in the greenfield of digital rights based policy-making. The Coalition is committed to promoting and **defending digital rights in urban context** through city action, to resolve common digital challenges and work towards legal, ethical and operational frameworks to advance human rights in digital environments.

The **Cities Coalition for Digital Rights** is a network of cities helping each other in the greenfield of digital policy-making.

The Coalition is committed to:

- **Promote** and **defend digital rights** in urban contexts through city action
- **Resolve** common **digital challenges**
- Work towards **legal, ethical and operational frameworks** to advance human rights in digital environments.

# Why Cities?

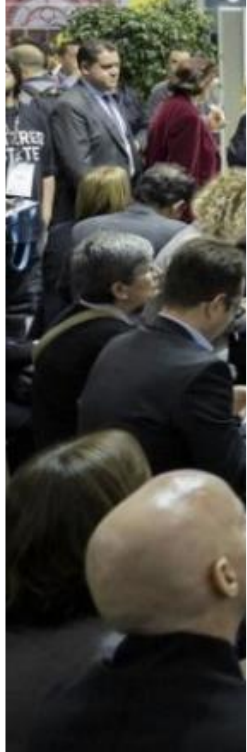
Cities are the closest democratic institutions to communities and are dealing with growing consequences when it comes to digital rights violations



# Joint Principles

- 01 Universal and equal access to the internet, and digital literacy
- 02 Privacy, data protection and security
- 03 Transparency, accountability, & non-discrimination of data, content and algorithms
- 04 Participatory Democracy, diversity and inclusion
- 05 Open and ethical digital service standards

# Launch at the Smart Cities Expo in Barcelona 2018





# Towards 100 Cities



UN Habitat

Supports the campaign to grow the coalition to 100 cities  
Mainly in Latin-America, Africa and Asia



Eurocities

Activates her members to engage in the coalition and  
coordinates activities in Europe

Amsterdam  
Barcelona  
New York City

Athens  
Bratislava  
Moskou  
London  
Chicago  
Helsinki  
San Antonio  
Lyon  
Milano  
Bratislava  
Cluj-Napoca

Antwerp  
Austin  
Baltimore  
Berlin  
Bordeaux  
Boston  
Brampton  
Buenos Aires Cento  
Chicago  
Copenhagen  
Dubai  
Dublin  
Edinburgh  
Edmonton  
Eindhoven  
Espoo  
Florence  
Genoa  
Gent  
Gijón  
Grenoble  
Hamburg  
Kansas City  
Karlstad  
Kingston  
Las Vegas  
Leeds  
Lisbon  
Liverpool  
London  
Los Angeles  
Lyon  
Madison  
Malaga

Manchester  
Meledin  
Mérida  
Milano  
Montreal  
Munich  
Paris  
Perth  
Philadelphia  
Portland  
Porto  
Rennes Metropole  
Riga  
Rome  
Rotterdam  
San Francisco  
Seattle  
Sipoo  
Stockholm  
Tallinn  
Tampere  
Tel Aviv  
Terrassa  
Tirana  
Torino  
Toronto  
Utrecht  
Valladolid  
Vancouver  
Venice  
Vienna  
Zaragoza  
Zurich

## DECLARATION FOR CITIES COALITION FOR DIGITAL RIGHTS

5 EVOLVING PRINCIPLES

### 01. UNIVERSAL AND EQUAL ACCESS TO THE INTERNET, AND DIGITAL LITERACY

Everyone should have access to affordable and accessible internet and digital services on equal terms, as well as the digital skills to make use of this access and overcome the digital divide.



### 02 PRIVACY, DATA PROTECTION AND SECURITY

Everyone should have privacy and control over their personal information through data protection in both physical and virtual places, to ensure digital confidentiality, security, dignity and anonymity, and sovereignty over their data, including the right to know what happens to their data, who uses it and for what purposes.



### 03 TRANSPARENCY, ACCOUNTABILITY, AND NON- DISCRIMINATION OF DATA, CONTENT AND ALGORITHMS

Everyone should have access to understandable and accurate information about the technological, algorithmic and artificial intelligence systems that impact their lives, and the ability to question and change unfair, biased or discriminatory systems.



### 04 PARTICIPATORY DEMOCRACY, DIVERSITY AND INCLUSION

Everyone should be represented on the internet, and collectively engage with the city through open, participatory and transparent opportunities to shape the technologies designed for them, including managing our digital infrastructures and data as a common good.



### 05 OPEN AND ETHICAL DIGITAL SERVICE STANDARDS

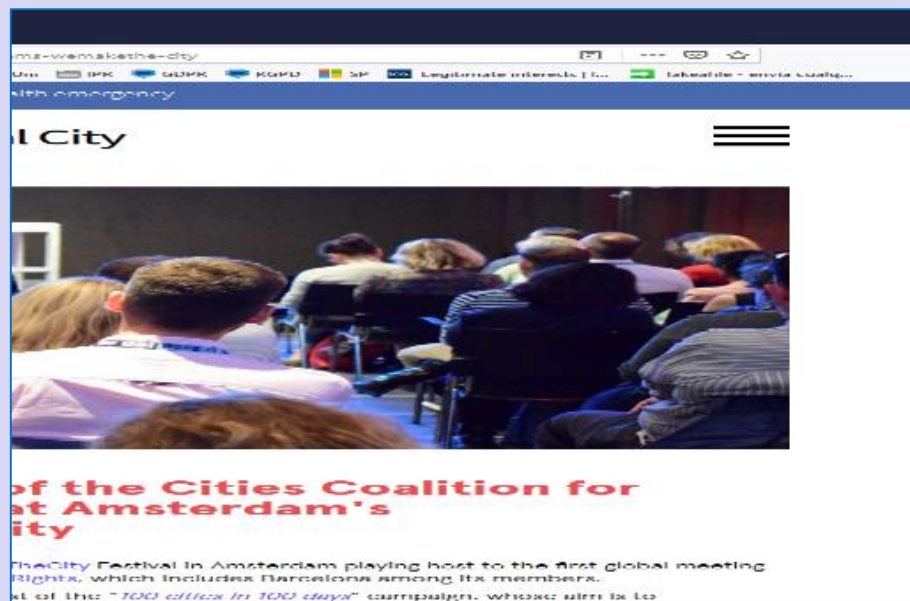
Everyone should be able to use the technologies of their choice, and expect the same level of interoperability, inclusion and opportunity in their digital services. Cities should define their own technological infrastructures, services and agenda, through open and ethical digital service standards and data to ensure that they live up to this promise.



# Examples of the CCDR Work

- Artificial Intelligence Register
- Covid-19 technologies
- Data Sharing
- Open Technologies

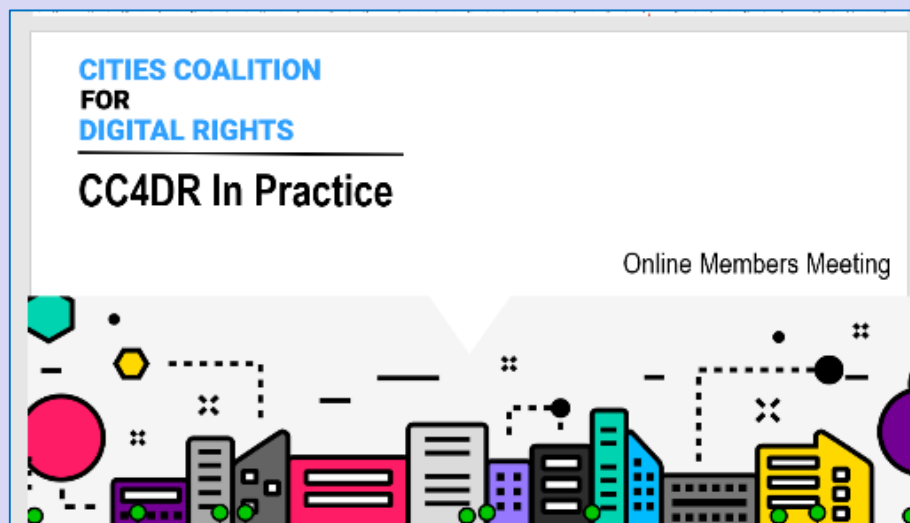
## EVENTS



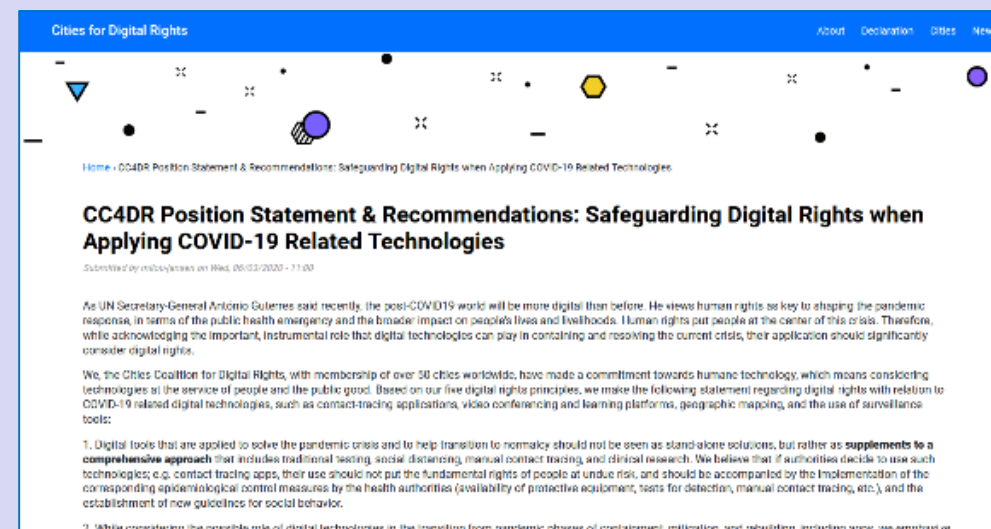
## PUBLICATIONS



## ONLINE WORKSHOPS



## JOINT STATEMENTS



# Some Identified Issues in data sharing

- 01 Privacy: citizen control - purpose limitations, conservation, dissemination
- 02 Inclusiveness and bias
- 03 Transparency, accountability- citizen participation in project design
- 04 Fiduciary role of the city - data manager, guardian, laboratory, balance
- 05 Free riding - private sector
- 06 Non-discrimination of data and algorithms



# Towards a coherent framework and actions for technology and data sovereignty at (at least) 5 + 1 levels?

