

# CITIES COALITION FOR DIGITAL RIGHTS

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

**28 September 2020**  
**NGI Conference**



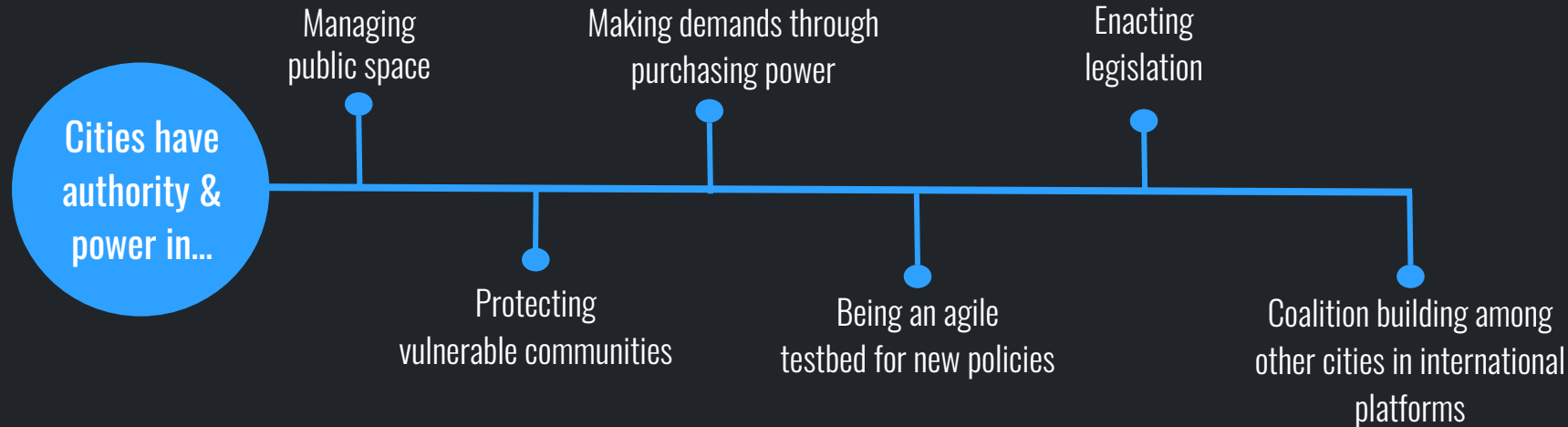
The **Cities Coalition for Digital Rights** is a network of cities helping each other in the greenfield of digital policy-making.

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



# Who are we?

**Amman – Athens – Austin – Berlin – Bordeaux Metropole – Bratislava –  
Cary – Chicago, IL – Cluj-Napoca – Dublin – Grenoble – Helsinki – Kansas  
City, MO – La Coruña – London – Longbeach – Los Angeles, CA – Lyon –  
Milano – Moscow – Munich – Philadelphia, PA – Portland, OR – Porto –  
Rome – San Antonio – Sao Paulo – Singapore – Sydney – Tirana – Torino –  
Toronto – Vienna – Zaragoza**

# 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**

# The **Data Sharing Working Group**

Identifying issues and looking for “Best Practices” for protecting digital rights in data sharing projects

The Working Group is working on:

- **Concept Note** identifying / outlining the **principal digital rights issues** relating to data sharing platforms and projects
- **Case studies** on data sharing projects, challenges and lessons learnt
- Working towards **best practices and recommendations** for ensuring **protection of digital rights** in data sharing projects.

# Some Identified Issues

- 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**

# Round Table - Cities Cases

- **Zaragoza** - **Daniel Sarasa** [Urban Innovation Planner at Zaragoza City Hall] - TOPIC: Periscopio / Urban labs - connecting data and citizens (and public spaces)
- **San Antonio** - **Emily B. Royall**, Smart City Coordinator at the city of San Antonio - TOPIC: Leveraging Data for Equity
- **Helsinki** - **Johanna Pasilkar**, Senior Project Manager, IT - TOPIC: MYDATA - How to make sure the consent is given voluntarily and with a good understanding, all data users adhere to common ethics. How to make all the definitions understandable & the purpose and scope of definitions wide and exact enough to satisfy legal needs and practical desires.
- **Amsterdam** - **Ron Van der Lans**, Senior Program Manager Amsterdam City - TOPIC: Sharing data from and with the private sector
- **Toronto** - **Hamish Goodwin**, Management Consultant, Smart City - TOPIC: Evaluating digital technology proposals: putting a policy framework into practice
- **Rennes** - **Ben Lister**, Open Data Project Manager at City of Rennes & Rennes Métropole - TOPIC: RUDI - Organising local data governance through a multi-partner data-sharing portal
- **Portland** - **Héctor Dominguez**, Open data coordinator at the city of Portland - TOPIC: Racial Justice as a core value to regulating emergent technology
- **Long Beach** - **Ryan Kurtzman**, - Smart Cities Program Manager City of Long Beach - TOPIC: Smart Long Beach - participatory by design
- **Barcelona** - **Marc Pérez-Battle**, Innovation Manager, Knowledge Society Office - Municipal Institute of Information Technology, Barcelona City Council - TOPIC: Barcelona's data projects - DECODE / Open data





# DATA PEOPLE CITIES

EUROCITIES CITIZEN DATA  
PRINCIPLES IN ACTION

NGI Policy Summit - CC4DR  
Sep, 28th 2020

Daniel Sarasa Funes  
EUROCITIES' Data WG Chair  
Zaragoza City Hall

[dsarasa@zaragoza.es](mailto:dsarasa@zaragoza.es)

[urbequity.com](http://urbequity.com)

# The Citizen Data Principles, by Eurocities

- 
- Citizen data as a public asset
  - Value for the common good
  - Citizens as data custodians
  - Protection of privacy
  - Transparency and accountability
  - Data and knowledge sharing and governance
  - Interoperability
  - Quality
  - Ethical and social responsibility
  - City Halls as connectors & the role of urban labs





H. G Wells

Differential  
privacy

# "The Commons" is on the other side of the data divide

100  
IDEAS\_  
ZGZ

¿Tienes una idea para Zaragoza?

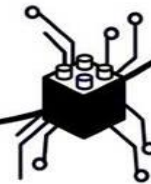
Emprende  
¡Lanza tu startup!

Participa  
¡Construye ciudad!

Consigue financiación  
**CROWDFUNDING**  
ZGZ



100  
IDEAS  
ZGZ

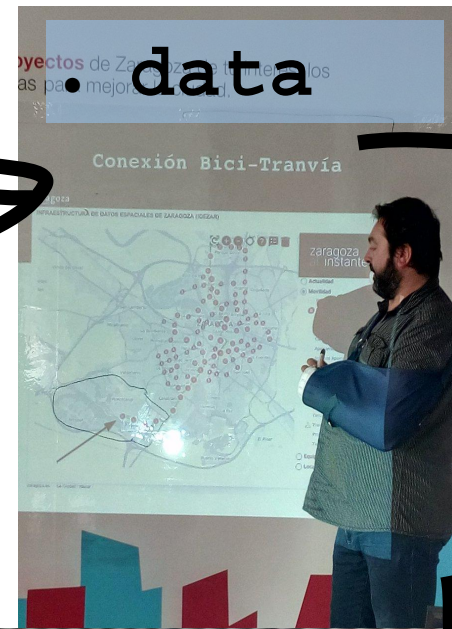


Hackathon  
Prototipa y desarrolla soluciones tech





• problem



• data



• ideas



MOVILIDAD

**BiZiA, el proyecto elegido para construir un sistema de aparcamiento de bicis junto al tranvía**

EFE  
28/10/2016

Compartir:   

Enviar

A- A+   0

La propuesta BiZiA ha sido escogida por unanimidad como ganadora del concurso de ideas BiciSur, un proyecto para construir un sistema intermodal de aparcamiento de bicis en el inicio de línea del tranvía ubicado en Valdespartaco y impulsado por el equipo municipal de la Ulla-Lima-Sanab.

• solution



• co-creation



# The periscope at eTOPIA



MORE VIDEOS



5:08 / 8:01



YouTube



SAN ANTONIO, USA



## Community Conversations: Bias in Public Health Data

Bringing together technologists, community members & public health professionals to discuss bias in public health data.



### SYSTEMIC CHANGE STARTS WITH DATA

Public Health data refers to how we quantify people and the environment, leading to important conclusions that determine policy, programming, and other outcomes.

How can we identify and eliminate bias from datasets that shape people's access to public health resources, how programs are designed, and how benefits are allocated? Accountable, ethical uses of public information for social good must actively resist the criminalization and surveillance of low-income communities, people of color and other marginalized populations. However, they must also work to include the diverse identities and experiences of our community.

This series of community conversations aims to answer the question: Can we eliminate bias in Public Health data?

### COMMUNITY CONVERSATIONS VIRTUAL EVENTS

Hosted by CIVTECHSA in partnership with the City of San Antonio's Office of Innovation, this Community Conversations event series tackles three areas where bias impacts data-driven policymaking: Identity, Reach, and Trust.

Each event will consist of a 40-minute panel of local leaders providing experience and educational

# Systemic Change Starts with **Data**

- Bias data input > Bias policy, program allocation, services
- Addressing Bias in policy means targeting bias in data
- Start with the simplest example: city surveys
- Listen to the community: Community Conversation Series
- **Identity** - How data is collected about you
- **Reach** - How surveys are administered & barriers to participation
- **Trust** - How institutions & non-human actors use data for decision making
- Findings reviewed by our office & drive internal policy



HELSINKI, FINLAND

# City as MyData Operator

NGI conference - Data Sharing round table

<https://digi.hel.fi/>

Senior IT Project Manager  
Johanna Pasilkar  
firstname.lastname@hel.fi

Helsinki

# City as a MyData Operator project

- Cities of Helsinki with Espoo, Turku, Oulu study together in this project:
  - How to make sure:
    - residents' consent is genuine?
  - All data users adhere to common ethics?
  - How to make all the definitions understandable to residents
    - the purpose and scope of definitions wide
    - yet exact enough to satisfy
      - legal needs
      - practical desires



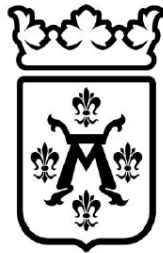
## City as MyData Operator – Project Goals

- ✓ MyData solutions ease the daily life of the residents by consolidating data collected by the city's departments and organisations
- ✓ Unified ways of working and services executed according to MyData principles enable digital services and availability of the services across city and state borders. Services are usable for companies and NGOs
- ✓ Analyzed data enables service improvement

# City as MyData Operators – Participating Cities



**ESPOO  
ESBO**



**TURKU  
ÅBO**

**OULU**

AMSTERDAM, THE NETHERLANDS



# Data collaborations

## Google + Waze + BeMobile + ...

[1/2]

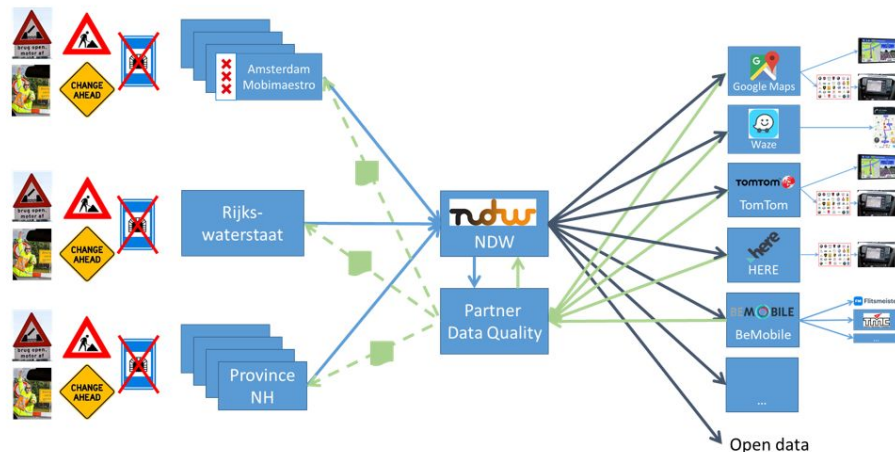
- Amsterdam shares information from (traffic) operating systems in real time with navigation companies
  - Closures of tunnels
  - Road closures due to events
  - Bridge openings (in progress)
  - Road works (in progress)
- Information is shared via the National Road Traffic Data Database
  - Amsterdam is paving the way as a pilot municipality
  - Upscaling through additional pilots Rijkswaterstaat, Noord Holland and The Hague
  - Basis for national roll out
- Companies process data in real time in navigation systems
  - Implemented at Google Maps (pilot), Waze and BeMobile
  - Planned for all other service providers (level playing field)
- Results:
  - Road users: better traffic flow in the city
  - Residents: avoid unnecessary nuisance and air pollution
  - Road regulators: less inconvenience

# Data collaborations

## Google + Waze + BeMobile + ...

[2/2]

- All Amsterdam implementations through NDW (National data access point)
- Amsterdam implementation start for a national roll out
  - Step 2:
    - Extra pilots (bottom up strategy)
    - Development Data Quality Partner
  - Step 3: top down all other road authorities





TORONTO, CANADA

# Digital Infrastructure Policy Innovation

*INTEGRATING DIGITAL INFRASTRUCTURE PRINCIPLES INTO  
MUNICIPAL DECISION-MAKING*

## DIP Principles

- ✓ Equity & Inclusion
- ✓ A Well-run City
- ✓ Social, Economic & Environmental Benefits
- ✓ Privacy & Security
- ✓ Democracy & Transparency

## Public Sector

- ✓ Policy-making
- ✓ Digital Services
- ✓ Digital Divide

## Private Sector

- ✓ DIP Principles
- ✓ Procurement

RENNES, FRANCE

## A local, multi-partner, data sharing platform

- 3 year project (approx. Budget: 4M€)
- 11 partners
- 2 entry points (citizen and project manager)

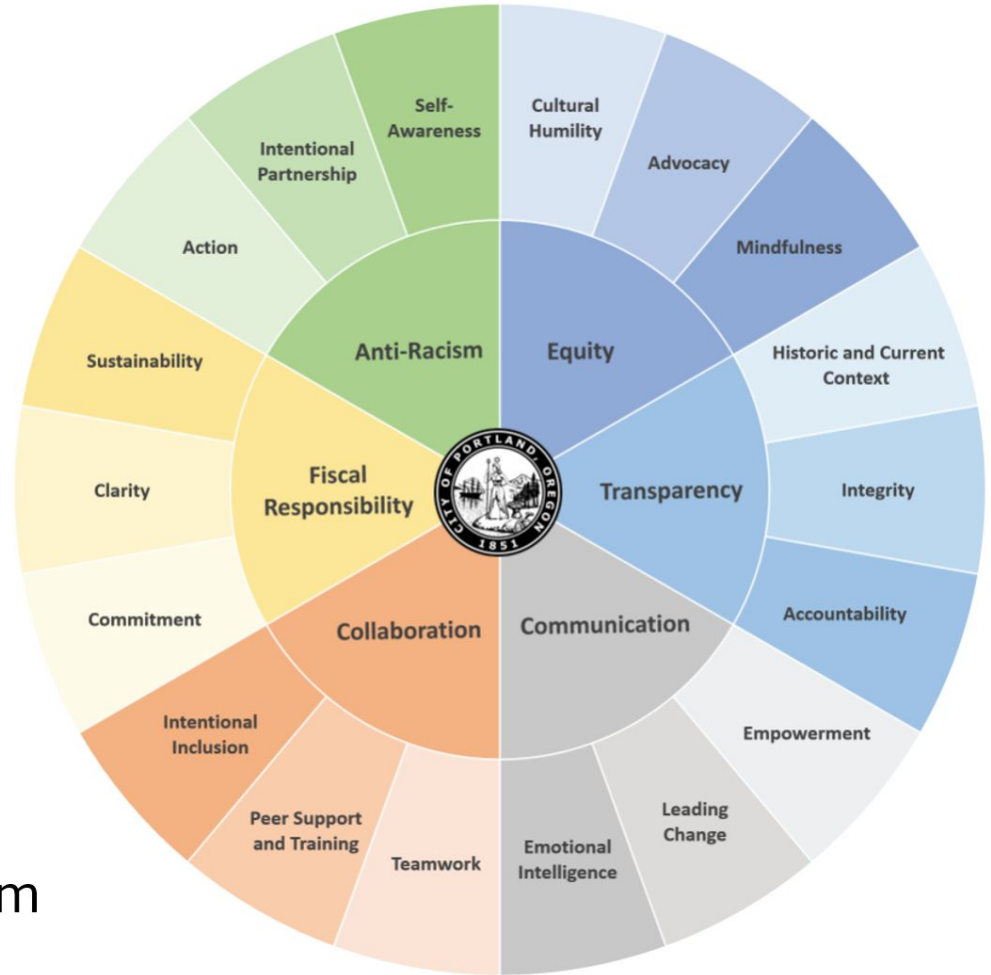
### Project goals:

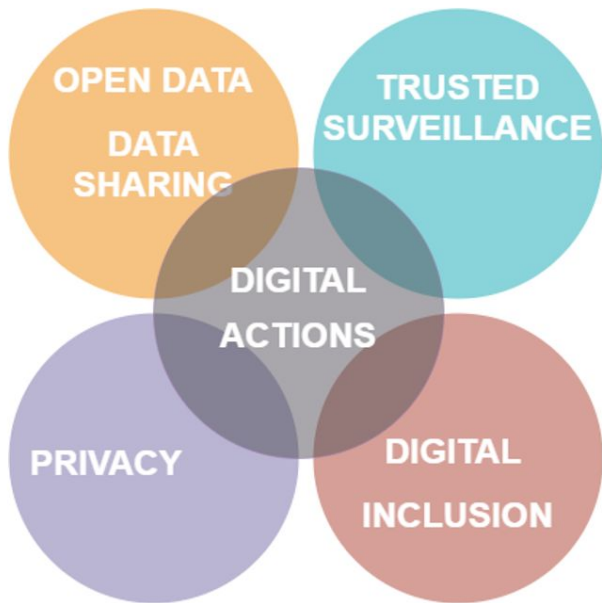
- Go beyond open data and push the limits on what can be shared
- Connect users and producers to create new/better services
- Connect producers and producers
  - Increase data quality and facilitate access
  - Organize data-sharing on a local level
  - Collectively rethink our ways of sharing data
- Push residents to participate in how their data is handled
  - Allow them to easily act on their own data
  - Give them a say in how the platform operates

PORTLAND, USA

# Racial Justice as a core value to regulating emergent technology

Hector Dominguez  
City of Portland, OR  
<https://www.smartcitypdx.com>





## Regional Barometer

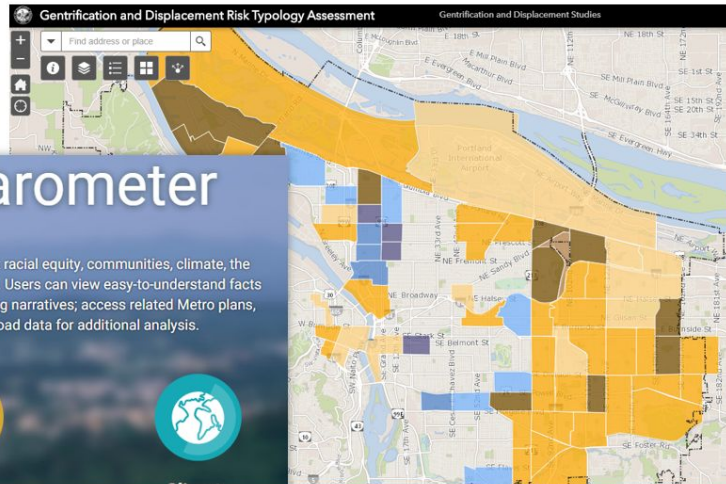
The Regional Barometer provides information about racial equity, communities, climate, the natural environment, the economy and transportation. Users can view easy-to-understand facts and figures with some key context and accompanying narratives; access related Metro plans, strategies, research and reports; and download data for additional analysis.



Equity



Environment

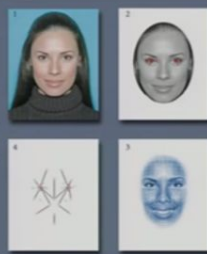


## Facial Recognition

Face recognition is a method of **identifying or verifying the identity of an individual using their face**. Face recognition systems can be used to identify people in photos, video, or in real-time. Law enforcement may also use mobile devices to identify people during police stops

### How facial identification works

1. Image is captured
2. Eye locations are determined
3. Image is converted to grayscale and cropped
4. Image is converted to a template used by the search engine for facial comparison results
5. Image is searched and matched using a sophisticated algorithm to compare the template for other templates in the file
6. Candidate templates are investigated for fraud



Source: Street-level surveillance - Electronic Frontier Foundation

IS TECHNOLOGY THAT USES BIOMETRICS TO IDENTIFY WHO YOU

PORTLAND CITY COUNCIL





Digital Justice in  
the context of anti-  
racism

Digital Rights in the  
context of Digital Justice

Re-imagining surveillance



Transparency and  
accountability



Data openness



Equitable data  
management



Automated  
decision systems



Full lifecycle  
stewardship



Data utility



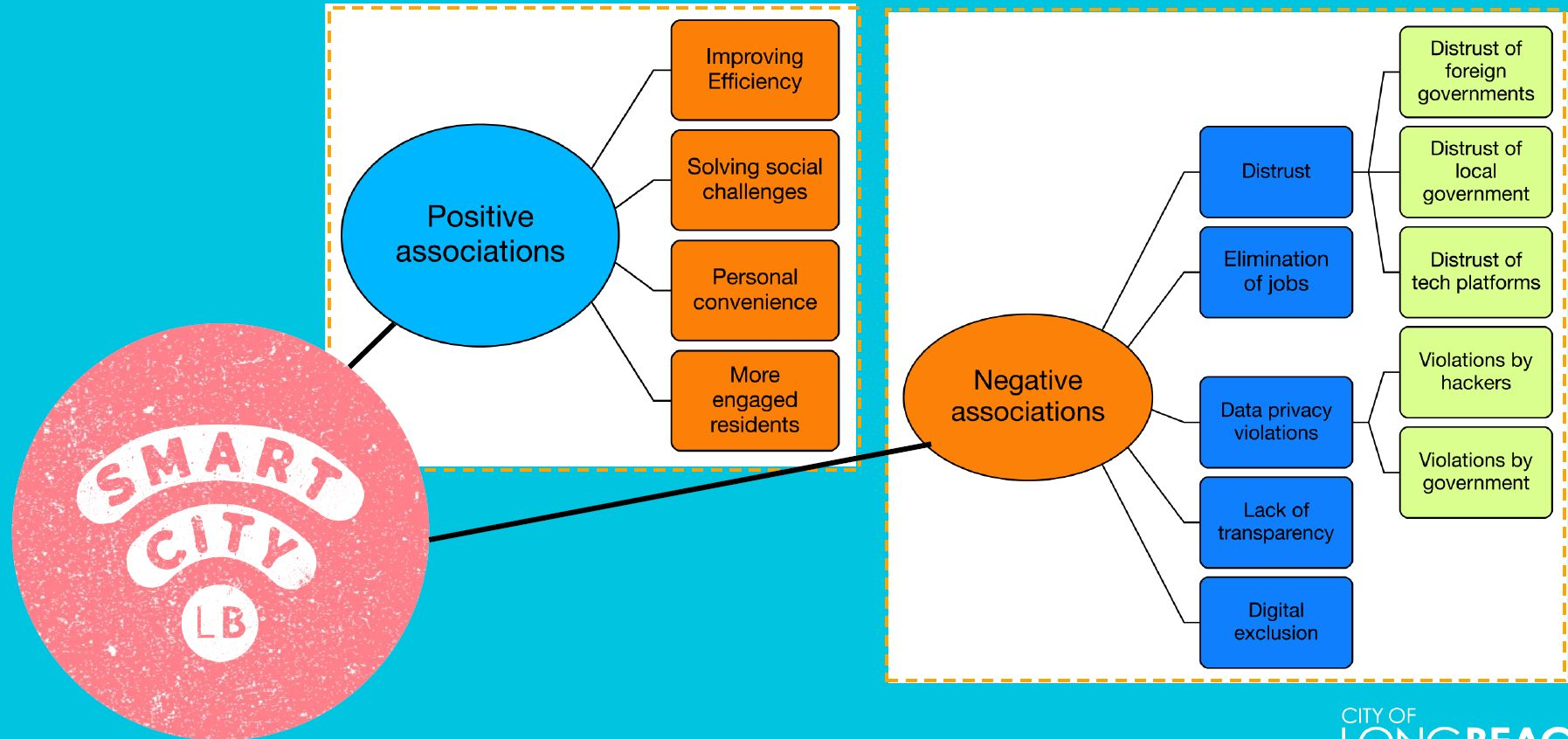
Ethical and non-discriminatory  
use of data





LONG BEACH, USA

# Smart Long Beach - Participatory by design

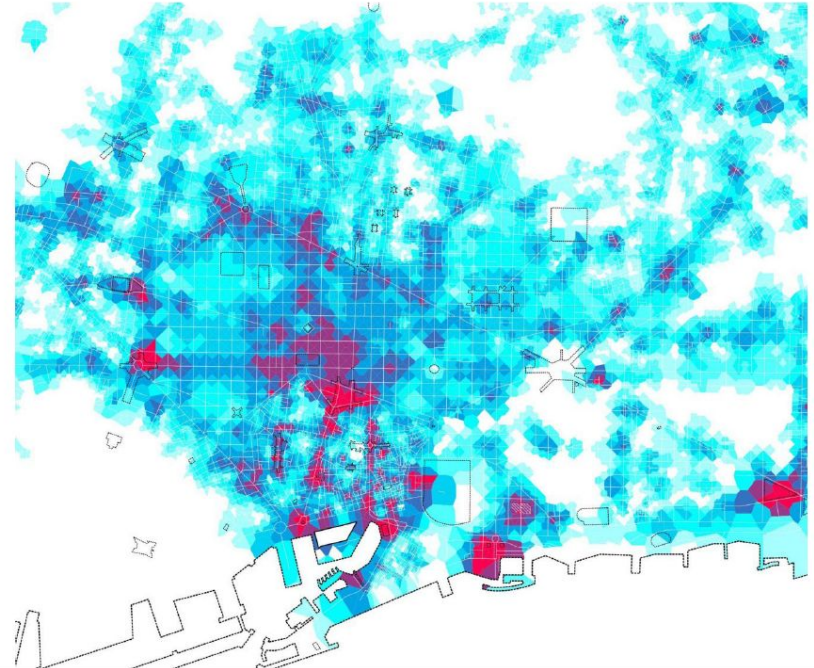


BARCELONA, SPAIN



## DEcentralised Citizens Owned Data Ecosystem:

Data sovereignty for citizens **decode**



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# THANK YOU!

Let's keep in touch:  
[endorse@citiesfordigitalrights.org](mailto:endorse@citiesfordigitalrights.org)

