



# Digital Trust for Places and Routines

A community seeking to enable greater transparency and civic dialogue on the use of digital technologies in the built environment

# Digital is invisible in the built environment

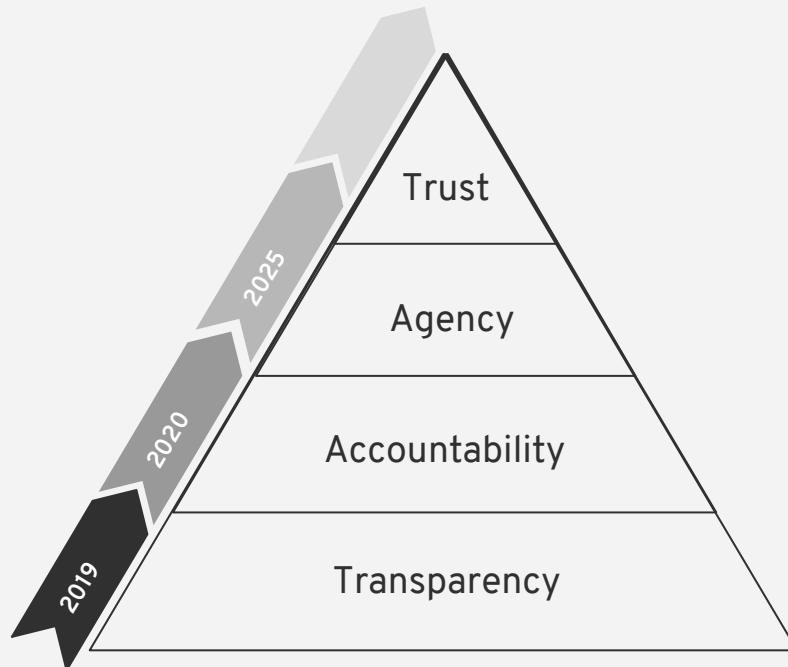


# Notice, consent, accountability, and transparency are often required by privacy laws but notifications in public spaces are largely absent and inconsistent.

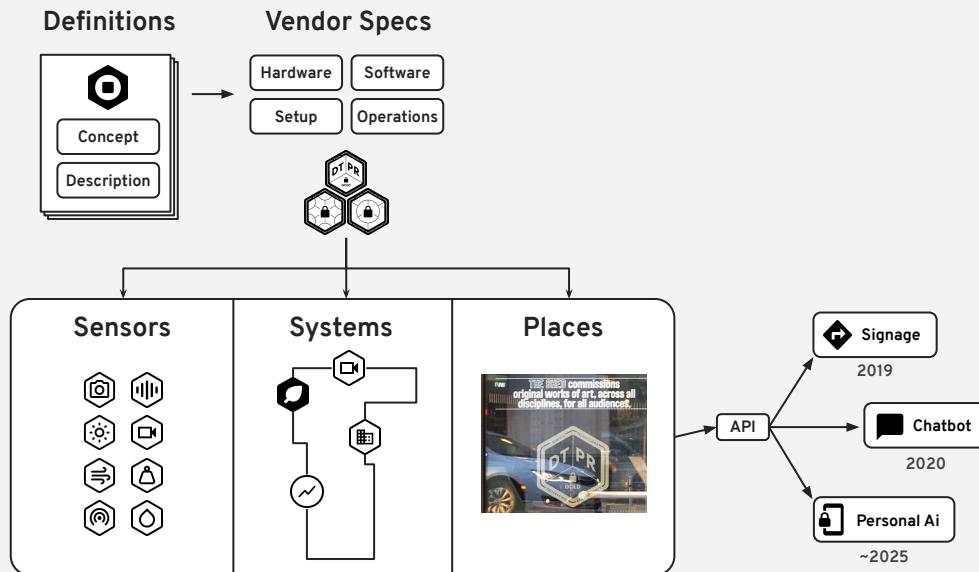


# The impact of a fragmented approach contributes to an overall reduction in trust.

Through the DTPR project we have begun to advance an understanding of how to foster trust in digital systems.



# DTPR is an open-source communication standard for transparency and accountability around digital technology in places



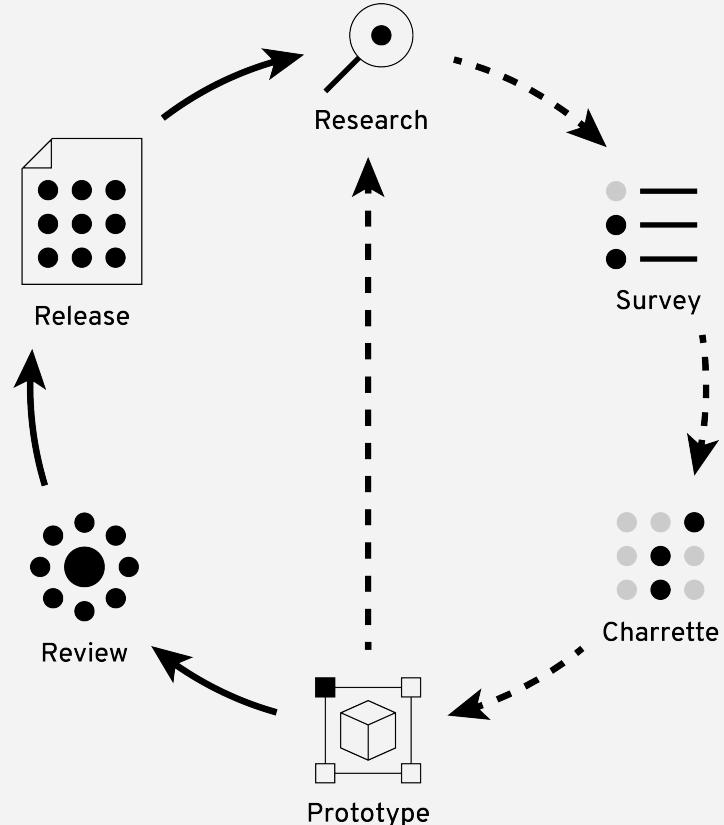
## It includes

A standard dictionary of concepts around digital tech and data practices

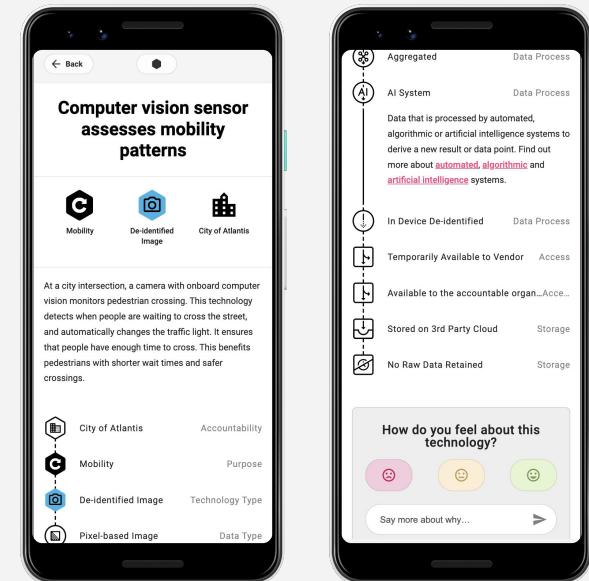
A standard set of icons to quickly and clearly communicate those concepts

DTPR was drafted together with dozens of cross-sectoral experts and refined through an open co-design process and inclusive usability testing

The need for a solution has attracted broad interest. Even in its early stages, this project involved contributions from a wide range of participants.



# The open-source taxonomy supports a visual language, signage + a digital channel and can be a catalyst for community-building and conversation



# Icons come together in the built environment to give high-level information to those interested



Scanning the QR code using a mobile phone opens the web based prototype, which contains more information.

# Field test in the real world



Working with the City of Boston, we implemented the signage as part of a pilot project the summer of 2020



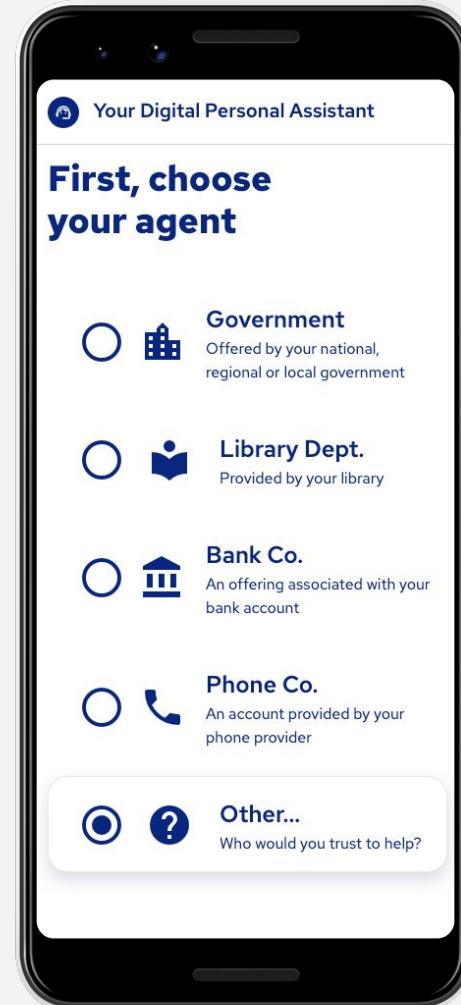
Let's give it a try ([link](https://boston.dtpr.guide/sensors/-MbdxOYvlnHOsllBJwEu))



## 5 years in the future

You have a personal AI provided by an organization you trust. Your assistant knows your preferences and is ready to help.

As a communication standard that describes sensors, systems and places, DTPR offers a way for personal AIs to provide deeper control over our digital interactions while out in the world.



Enter the plaza



## Enter the plaza



## Enter the plaza



The West Side Plaza agency system allows you to connect to and discover services in this plaza.

### Purpose

- Agency & Interaction
- Wayfinding & Services
- Temporary

### Technology

- DTPR API
- Location Beacon
- Personal device

### Data Type

- Tabular
- Spatial
- Boolean

[View sample of the data being collected](#)

Grab a book





Grab a book



**Plaza Preferences**

Your usual settings and preferences

	Preference
Upgrade	Opt in <input checked="" type="checkbox"/>
Grab & Go Payments	Opt in <input checked="" type="checkbox"/>
Virtual Changing Room	Ask first <input checked="" type="checkbox"/>
Bike Share	Opt in <input checked="" type="checkbox"/>
Food Order	Pay per use <input checked="" type="checkbox"/>
Book a Service	Charge <input checked="" type="checkbox"/>
Visit Data	Review <input checked="" type="checkbox"/>

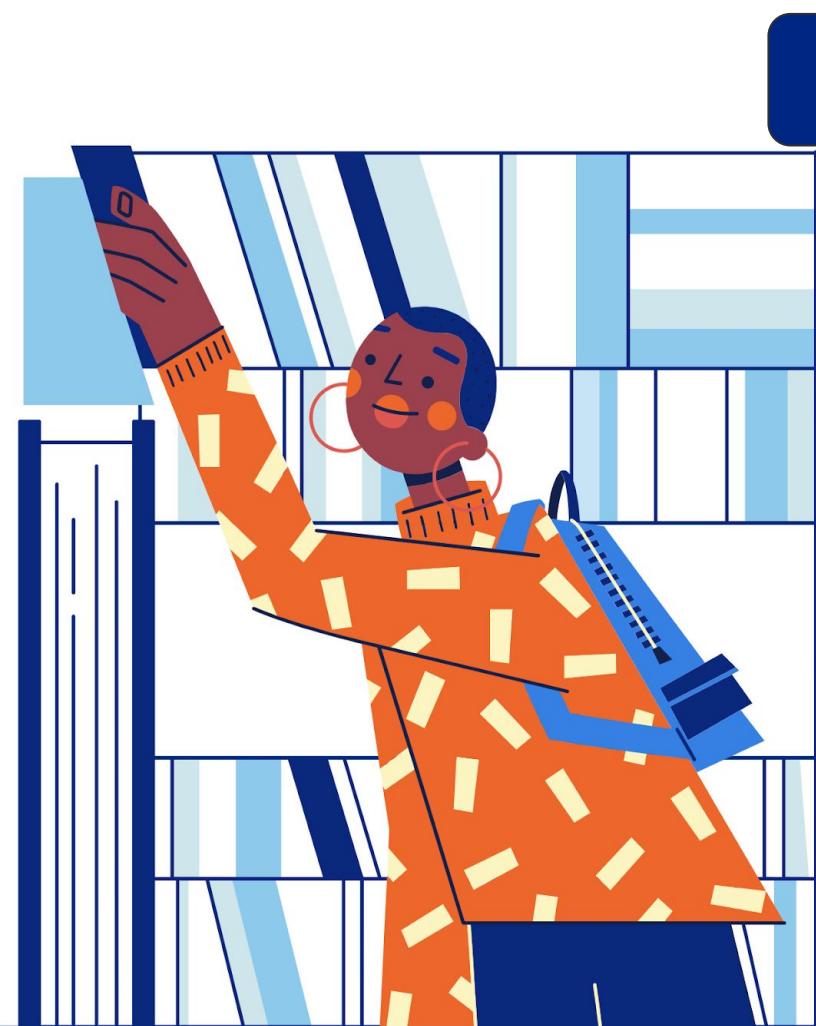
[Use my usual preferences](#) [Update my preferences](#) [Usual](#)

**Library system in use**

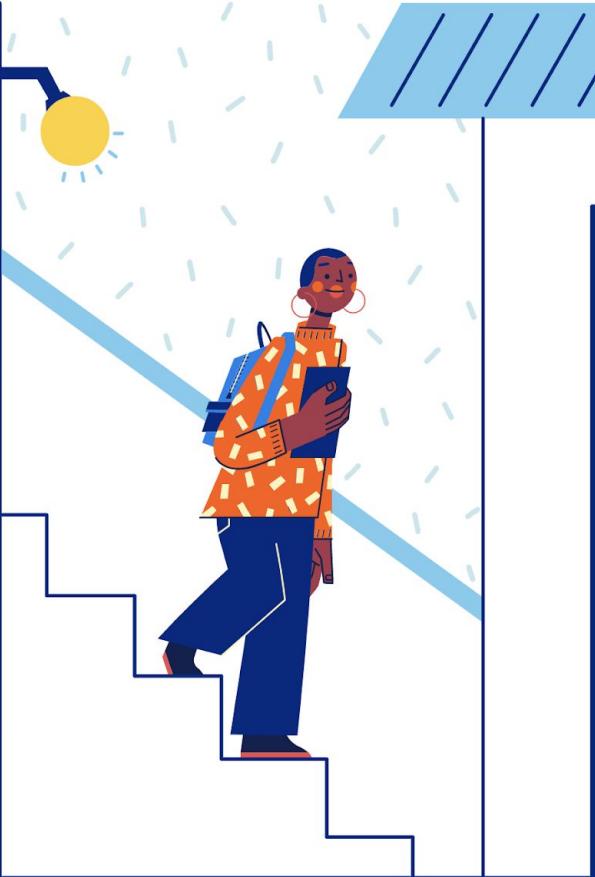
Your library membership is active. You currently have five books checked out in your account.

[Update my preferences](#)

The book *The Structure of Scientific Revolutions* has been added to your virtual checkout cart



Grab a book



This Library's borrowing system allows you to quickly browse and borrow books. Just pick up a book and the book will be checked out when you leave.

**Purpose**

- Borrowing
- Membership

**Technology**

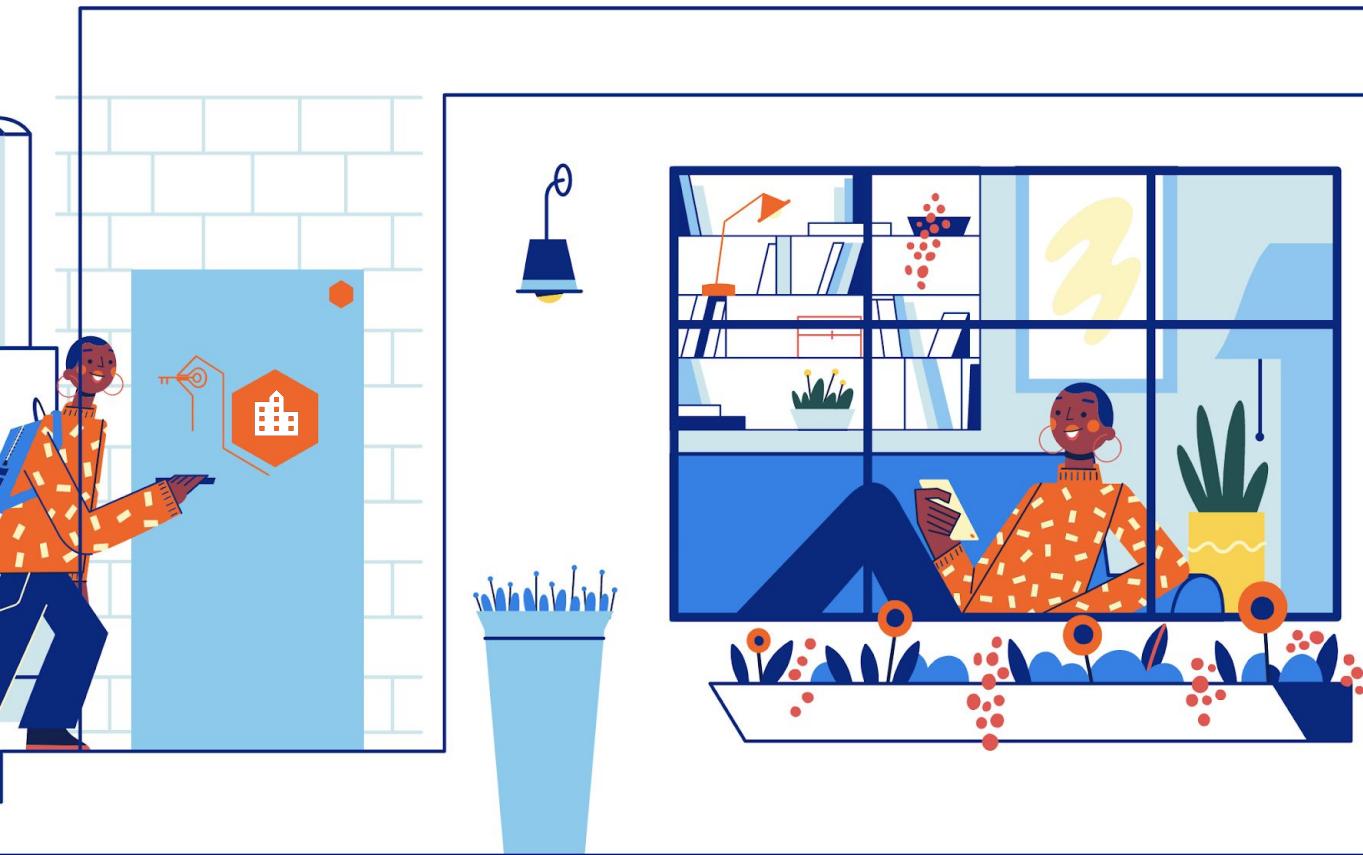
- Computer vision
- RFID
- Grab and go

**Data Type**

- Pixels
- Personal Information
- Binary

[View sample of the data being collected](#)

# Review your transactions



Hi Carina, here's your list of transactions from today. Please review and let me know if there is anything you wish to modify:

## Today's Transactions

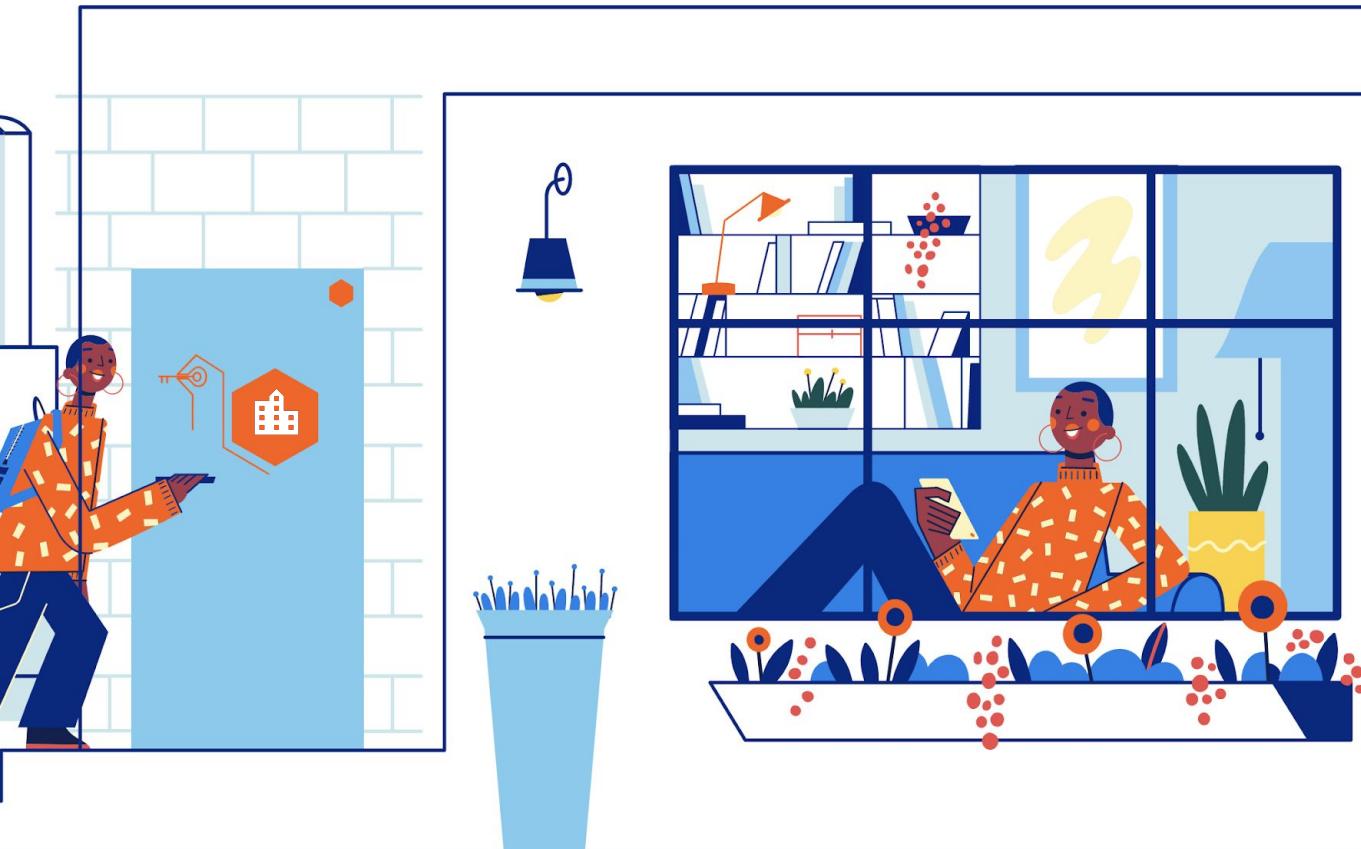
Your data transactions for the day and the actions taken based on your default data preferences

Completed	Action
All Bike Shares returned	Will be deleted
Saved	Action
1 Dress from Unique Chic	Saved
West Side Plaza's sustainability initiative	Saved
Opt-ins	Action
Sunshine Sushi rewards program	Connected
Location sharing in West Side Plaza for energy saving	Will be deleted
Location sharing in West Side Plaza for lost & found in Grab & Go Payments	Will be deleted
Following @SusanSings	Connected

Modify

Save with no changes

## Review your transactions



Your personal AI gives you control over your data and digital interactions.

### Purpose

- Agency
- Secure and authenticated

### Technology

- DTPR API

### Data Type

- Personal Information
- Binary

[View sample of the data being collected](#)

### Processing

- Encrypted
- Transfer Layer Security
- Zero-knowledge proof

# We are building the foundations for this future

Join an emerging multi-sector coalition



DIGITAL  
PUBLIC  
SQUARE  
*not-for-profit*



**Together, we can accelerate to a  
future where human agency in  
the connected world is the  
default.**



# Thank you!

Learn more!

<https://dtpr.helpfulplaces.com>

Questions?

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