



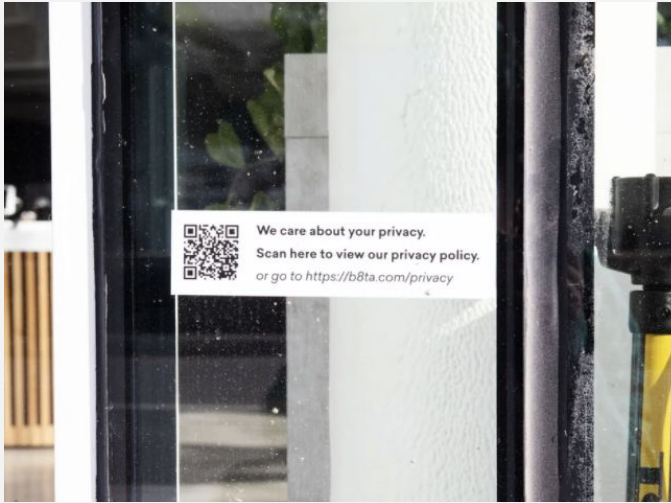
Digital Trust for Places and Routines

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

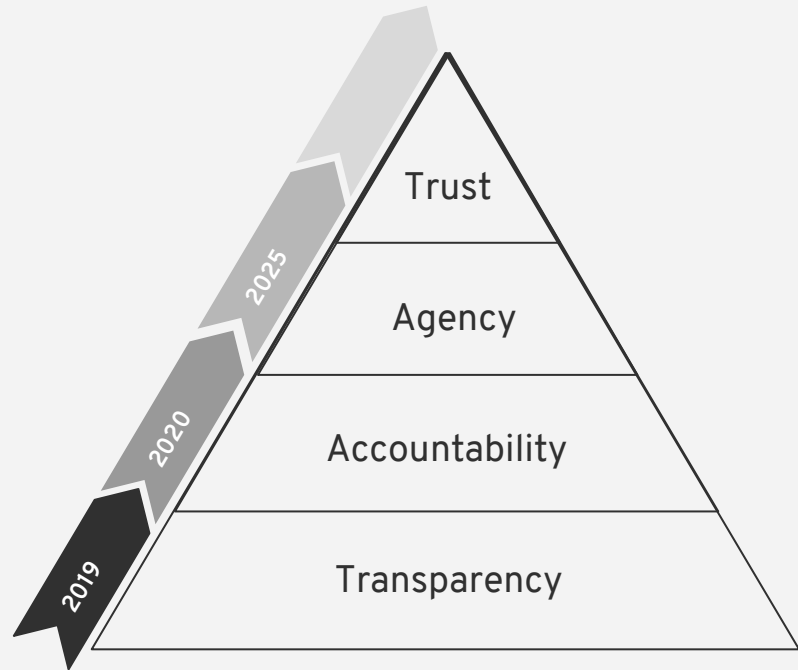


Notice, consent, accountability, and transparency are often required by privacy laws but notifications in public spaces are largely absent and inconsistent.

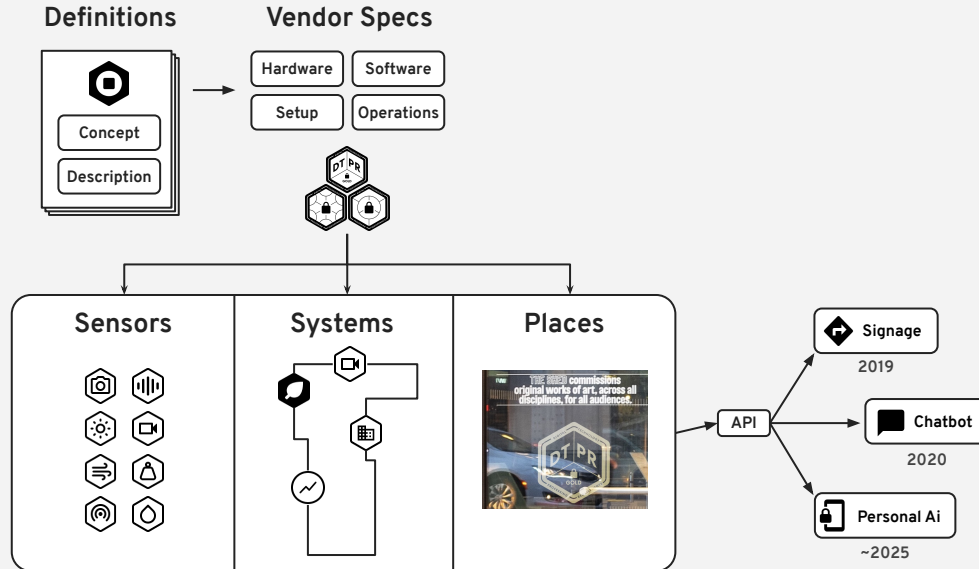


The impact of a fragmented approach contributes to an overall reduction in trust.

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



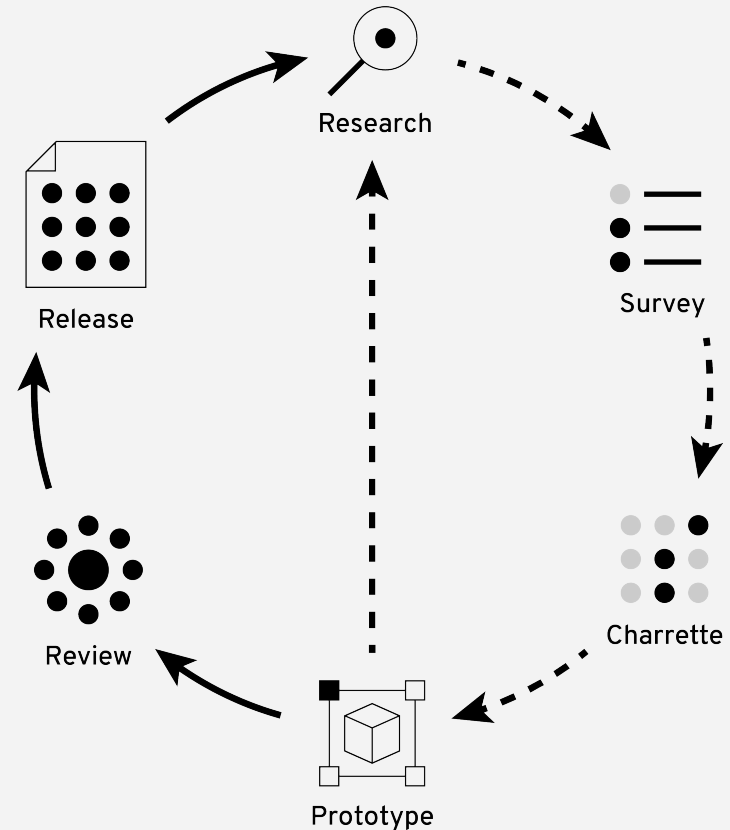
It includes

A standard dictionary of concepts around digital tech and data practices

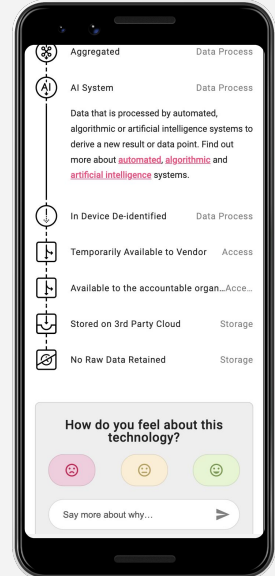
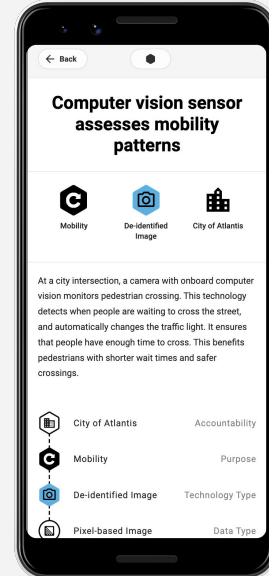
A standard set of icons to quickly and clearly communicate those concepts

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

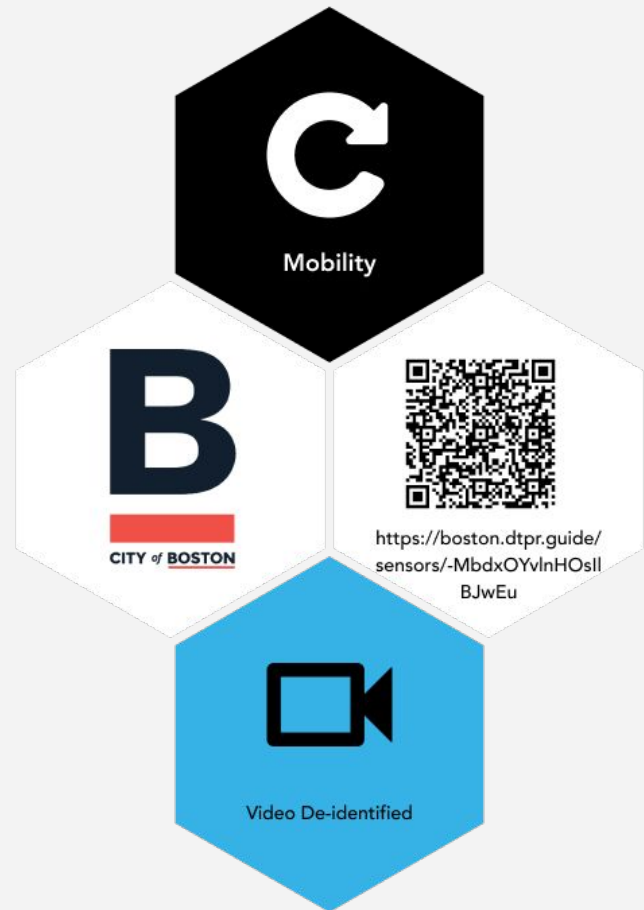


Scanning the QR code using a mobile phone opens the web based prototype, which contains more information.

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

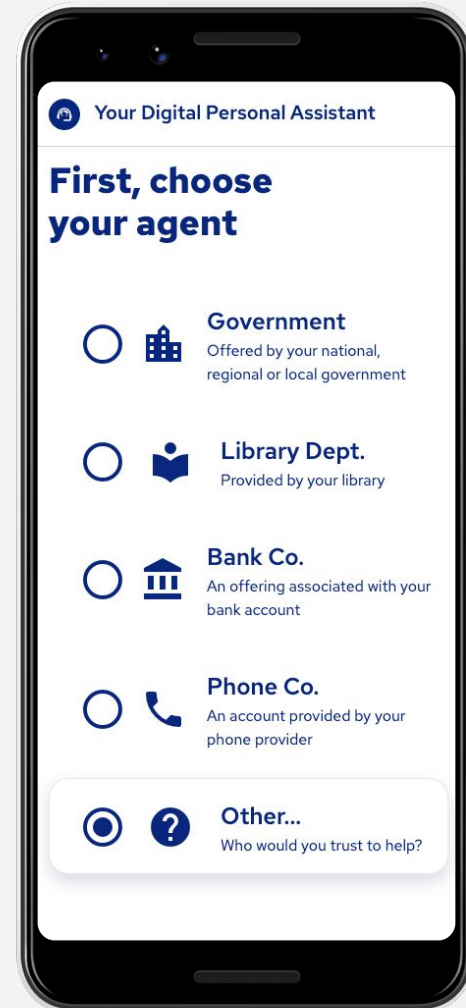


Let's give it a try ([link](#))

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



West Side Plaza Agency system in use >

Welcome to West Side Plaza, would you like to use your usual preferences? There are also some new options.

Plaza Preferences

Your usual settings and preferences

Upgrade	Preference	
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

An illustration of a plaza entrance. A blue sign above a doorway says "Enter the plaza". Two people are sitting on the steps to the left, one holding a red book and the other a yellow book. A person in an orange patterned sweater is walking towards the entrance, holding a blue folder. A hexagonal icon with a building and a hand is floating above them. In the background, there's a water fountain, a trash can, and some plants. On the right, a large digital display shows information about the plaza's agency system.




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

Upgrade	Preference	
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:

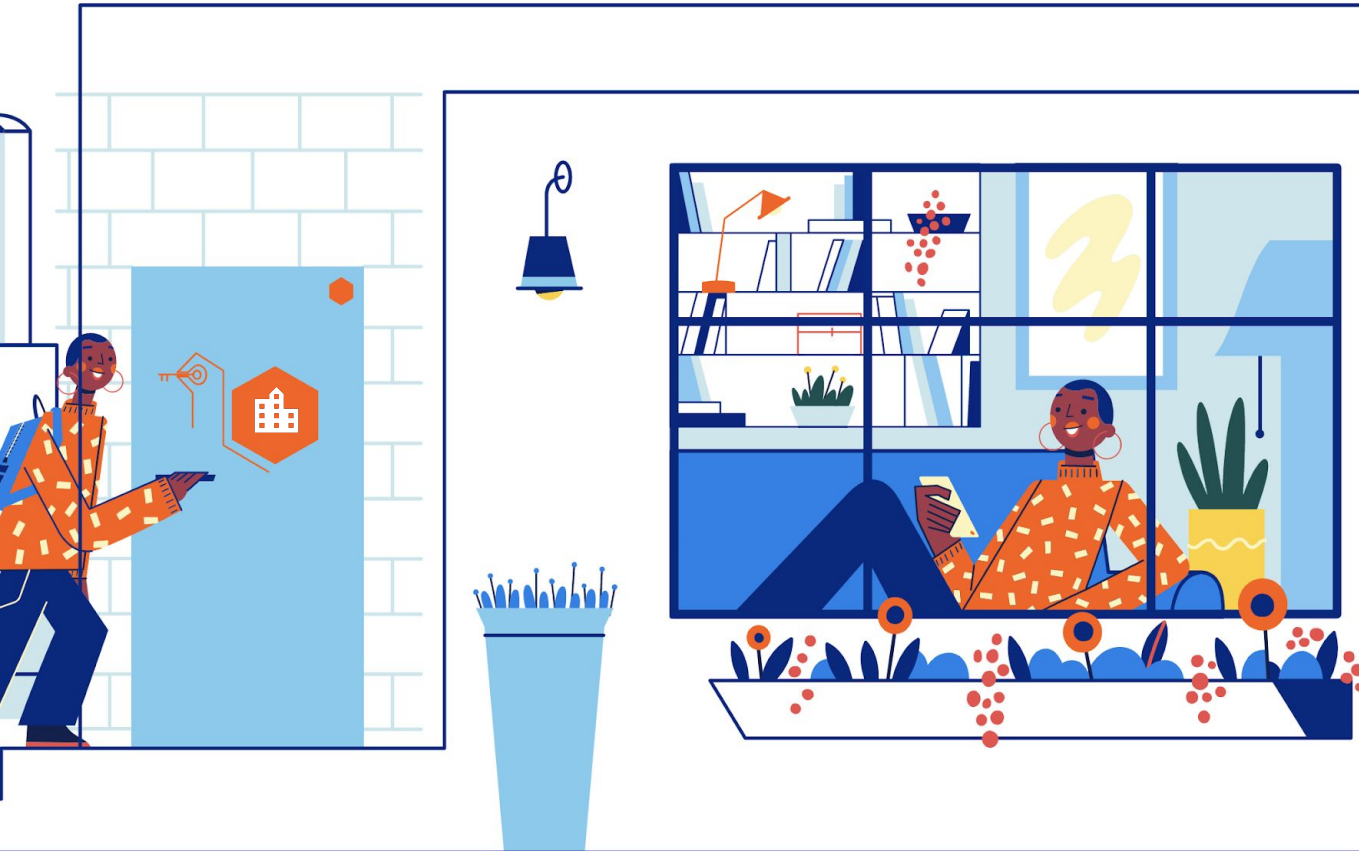
Today's Transactions

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 & foundm 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://dtp.helphfulplaces.com>

Questions?

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