

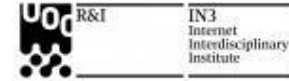


# decode



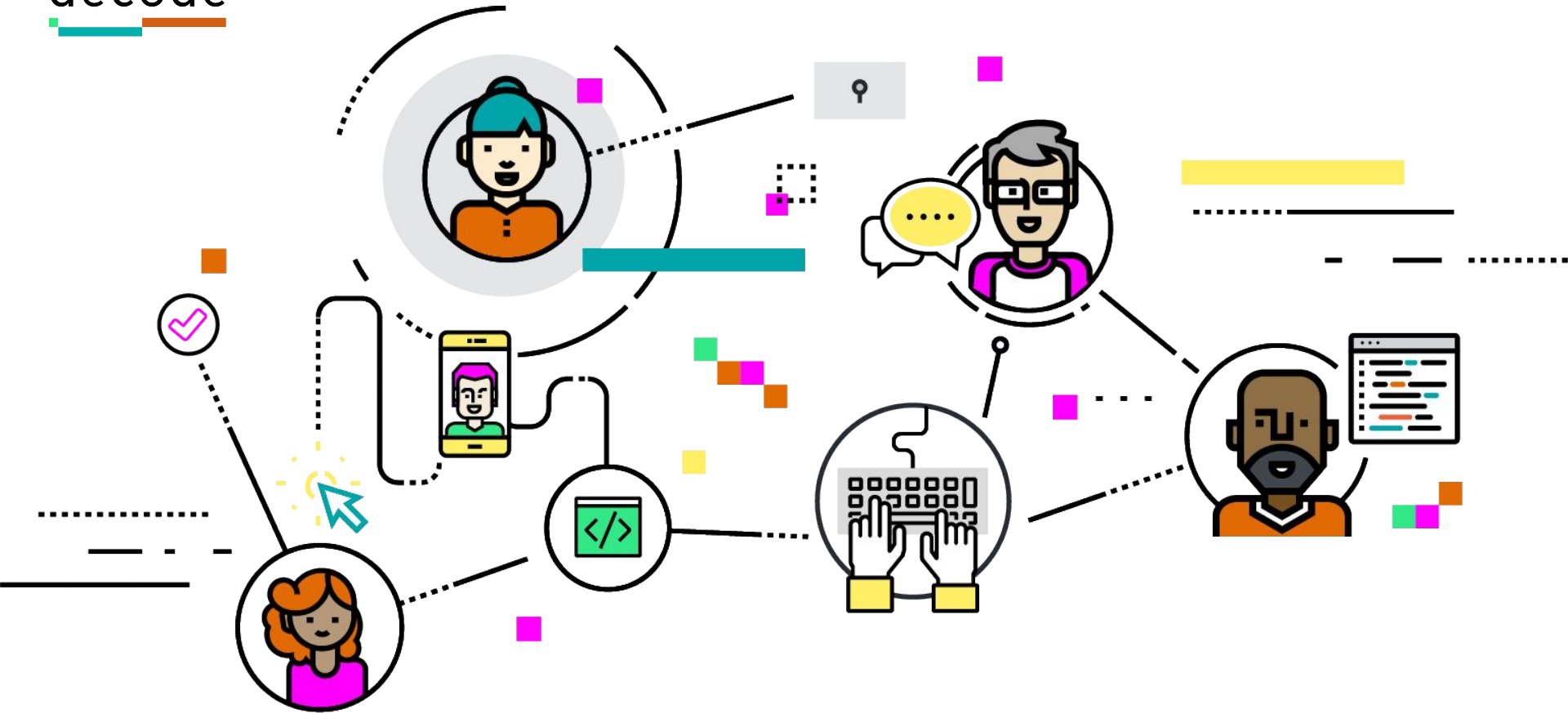
Giving people control of their personal data

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DECODE is funded by the European Union's Horizon 2020 Programme.  
Grant agreement number 732546.

decode



DECODE is a European Commission funded project piloting new technologies that give people more control over how they store, manage and use personal data generated online.

We are testing the technology in two pilot cities - Barcelona and Amsterdam - and will explore the social benefits of widespread open data commons.

## Goal: Taking back our digital sovereignty

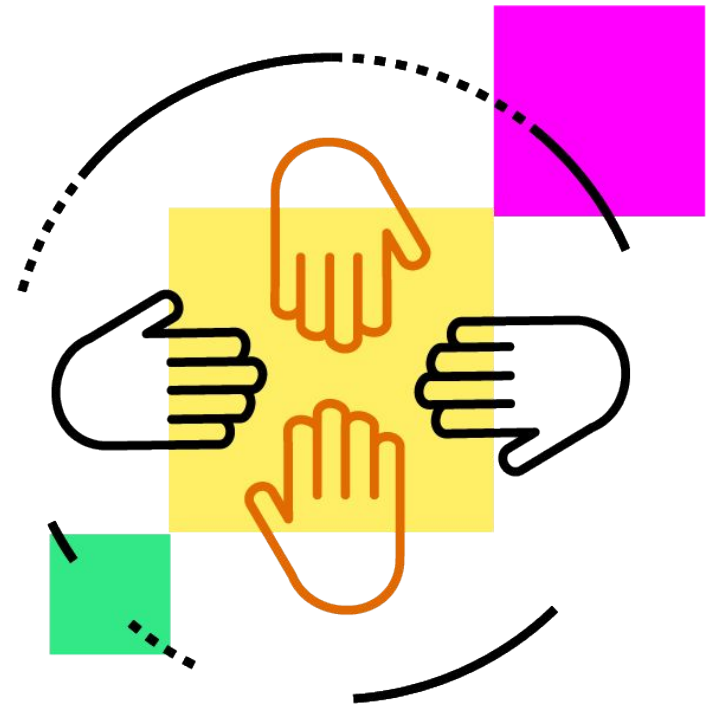
People have lost control of their data. This bad for privacy and the security of our online identities.

DECODE aims to develop practical alternatives to how we use the internet by giving individuals the power to take control of their personal data and share it on their own terms.



## Goal: Building the data commons

DECODE will explore how to build a data-centric digital economy where data that is generated and gathered by citizens, the Internet of Things (IoT), and sensor networks is available for broader communal use, with appropriate privacy protections.



## 4 problems we want to address

**1 - People have lost control of their data.** This does not just mean the erosion of privacy and autonomy. It's also bad for the security of people's online identity.

**2 - Most data today is controlled by a handful of monopolies.** This makes it inaccessible to those who want to create solutions and services for public benefit.

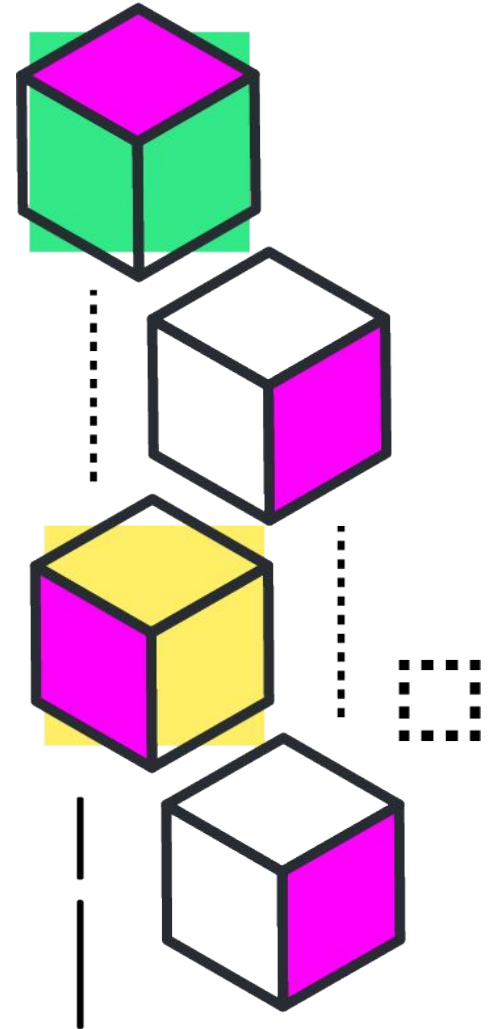
**3 - The monopolisation of data creates economic inefficiencies and inequalities.** This threatens to undermine trust between citizens, public institutions, and companies.

**4 - The current digital ecosystem is highly fragmented and siloed.** This fragmentation makes data unmanageable and end users ultimately lose control over it.

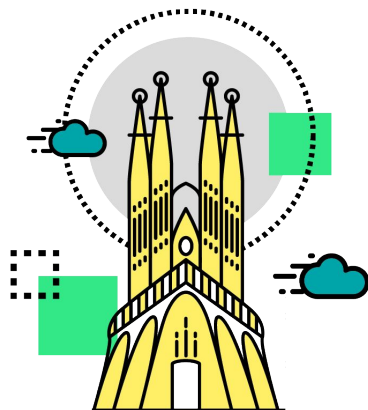


# New technologies for digital sovereignty

DECODE is creating tools which will give people ownership of their data. These tools will combine blockchain technology with attribute-based cryptography to give the data owner control of how their data is accessed and used.

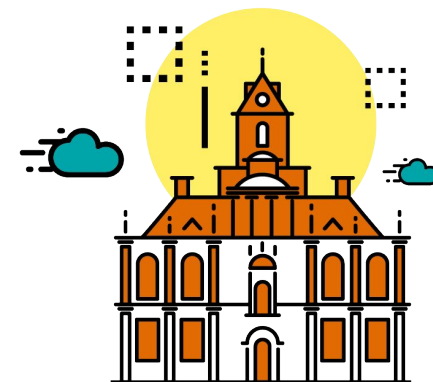


## 2 Cities, 4 Pilots



**Democracy:** This pilot will test DECODE's verification capabilities, in a scheme that will give citizens the opportunity to get involved in local issues, while remaining in control of how their responses are shared.

**IoT:** Local residents will be able to use DECODE's tools to capture and share noise data, providing an accurate record of their experiences while maintaining control over who can see that information.



**Holiday Rental Register:** This pilot will make it easier for residents to rent out their properties, while abiding by local laws and maintaining control over who can see their occupancy data.

**Neighbourhood Online:** Building on an existing city platform, the City Council will use DECODE to increase involvement with policy and decision making, while giving citizens granular privacy controls.

For more information, visit:

decodeproject.eu  
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