

Contributive Cities

Reclaiming lost rights, creating new rights



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IoT Week, BILBAO 2018

IDEAS
FOR
CHANGE



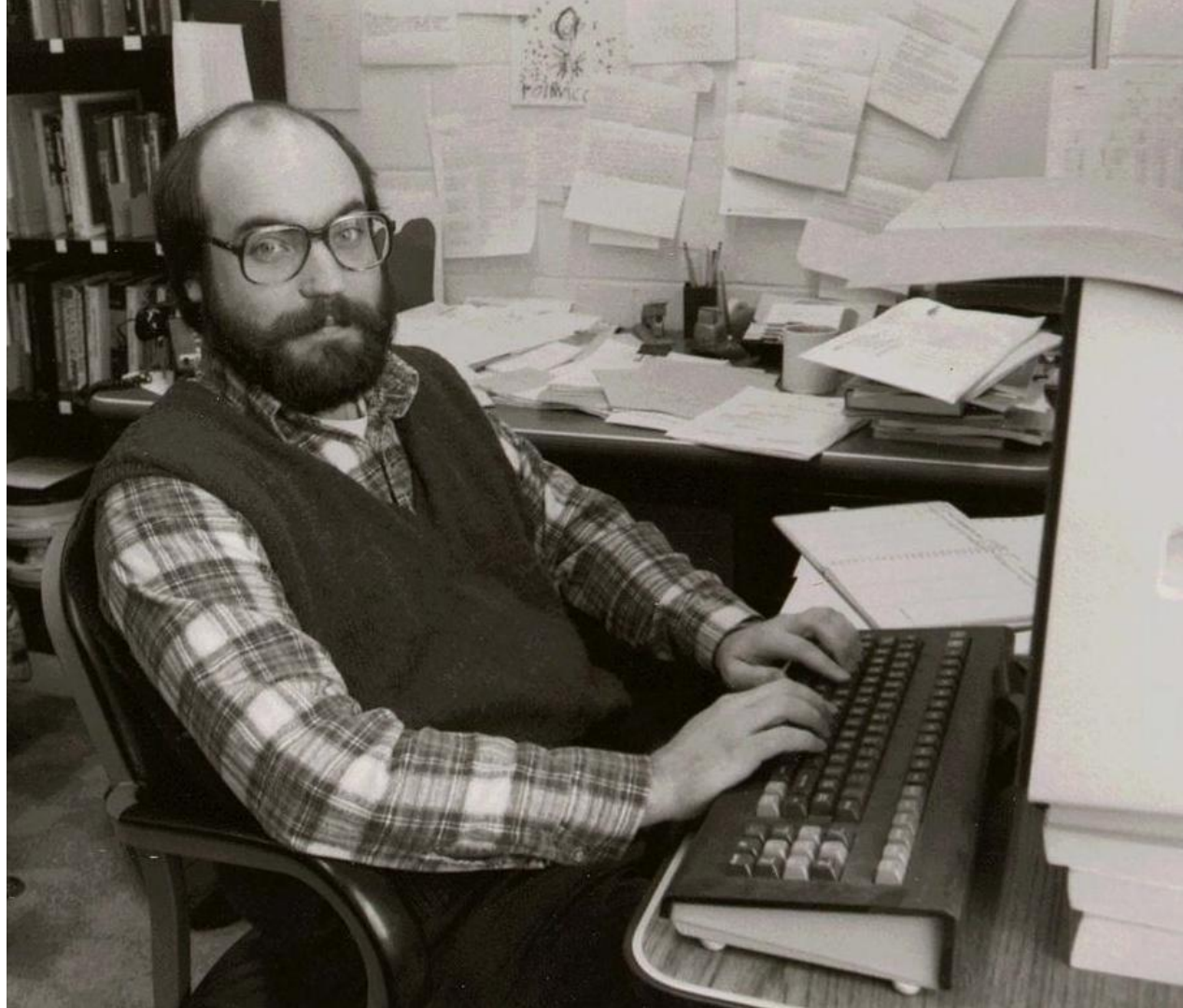
Philips



What narratives inspire
our imaginaries?

„...a physical world
that is richly and
invisibly interwoven
with sensors, actuators,
displays, and
computational
elements, embedded
seamlessly in the
everyday objects of our
lives, and connected
through a continuous
network"

Weiser, M., Gold, R., & Brown, J. S. (1999). The origins of ubiquitous computing research at PARC in the late 1980s. *IBM systems journal*, 38(4), 693-696.





CENTRO DE OPERAÇÕES PREFEITURA DO RIO

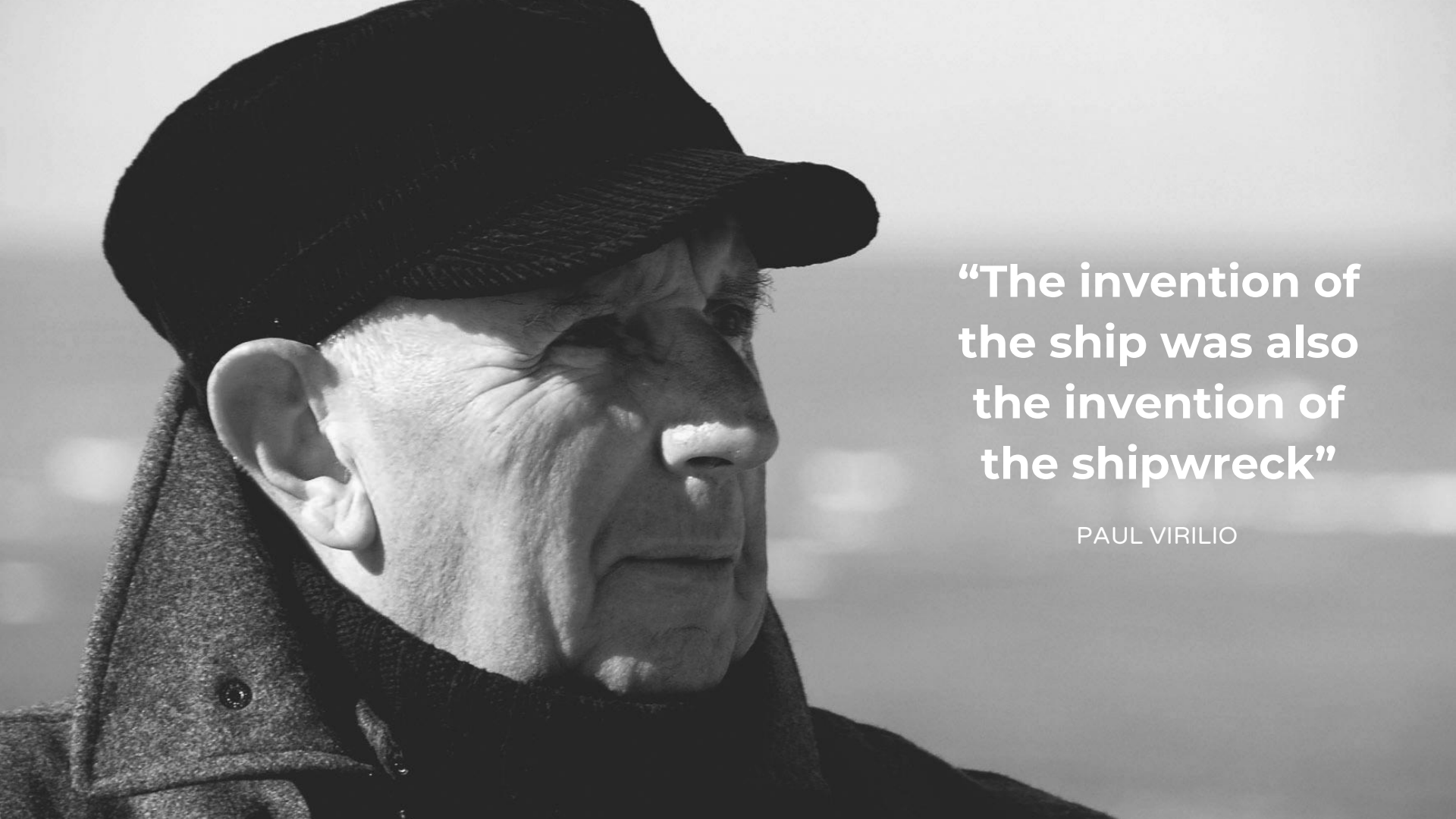
PANÓPTICO - RIO DE JANEIRO

IPLANRIO

mauelli

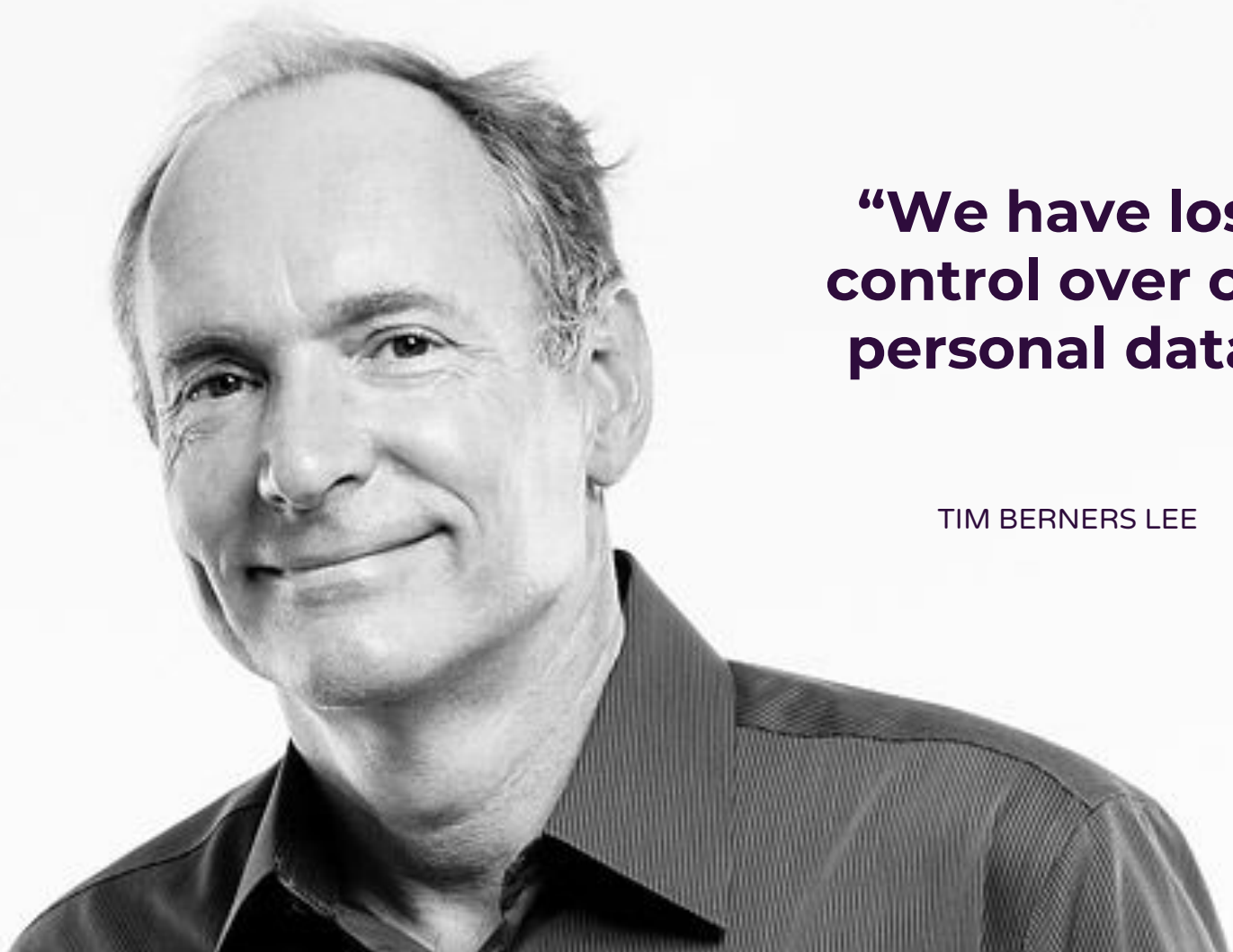






**“The invention of
the ship was also
the invention of
the shipwreck”**

PAUL VIRILIO



**“We have lost
control over our
personal data”**

TIM BERNERS LEE



The Cambridge Analytica Files

'I made Steve Bannon's psychological warfare tool': meet the data war whistleblower

Loosing or conquering rights
is a design choice

Right to produce data to act on

MAKING SENSE: CITIZEN SENSING

Can citizens contribute to detect and solve pollution problems in their neighborhood?

The Plaça del Sol in Barcelona is a square that has historically suffered the noise produced by nightlife. Working with a group of neighbors we deploy 25 sensors to investigate how high the noise levels around the plaza are in relation to the norm, and what can be done to improve the situation.



Making Sense

Advances and experiments
in participatory sensing



Iaac



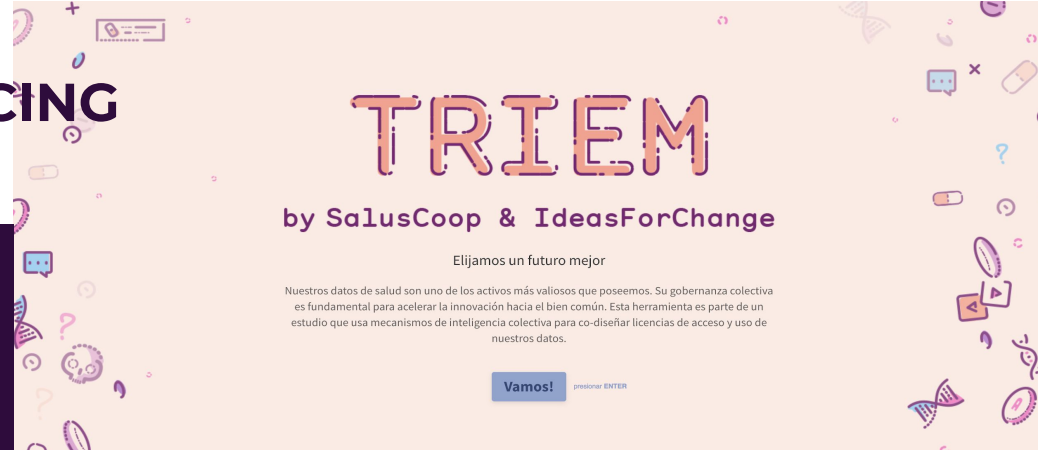
Right to produce data to act
on civic matters



Right to govern and manage our data

TRIEM: ETHICS CROWDSOURCING

Our data is often taken without our permission. Especially when it comes to healthcare and social media data, not enough robust data licenses exist to empower us to share them safely. Let's create a robust open standard for health data licensing. Let's give the ownership of this data to those whom it belongs to, but let's concept these from the bottom up.



Right to control how our data are used

DECODE.EU + SMART CITIZEN

DECODE is a response to people's concerns about a loss of control over their personal information on the internet. It 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.



Giving people ownership of their personal data

DECODE provides tools that put individuals in control of whether they keep their personal data private or share it for the public good



Right to have a say in the research agenda

SALUSCOOP: ENABLING DATA SOVEREIGNTY

SalusCoop.org is a framework for a citizen-led approach to the collaborative managing and governance of health data. It legitimizes data ownership for citizens and enables them to exercise control over the fate of their records while facilitating data sharing to accelerate research and innovation in healthcare.



Salus.coop

Citizen cooperative of health data for science



Right to access public health

CAREAI: ENABLING SECURE HEALTH DATA TRANSACTIONS

CareAI is a design fiction prototype. It conveys a future scenario for intelligent and anonymous healthcare data transactions. It uses blockchain and smart-contracts to provide anonymous healthcare advice — adding it to someone's medical history through artificial intelligence. This history might then be used to fully integrate that person into a formal medical system later.



A social revolution occurs when we extend rights.
When we create new rights, the rights that had already been conquered are not lost.

The loss or conquest of rights is a design decision

The social value of giving rights back to people is
infinite.

We can and should make a fundamental contribution in this area: to return rights that the very use of technology has taken away from us. And to create new rights.

Let's design for better #DataFutures

THANK YOU!

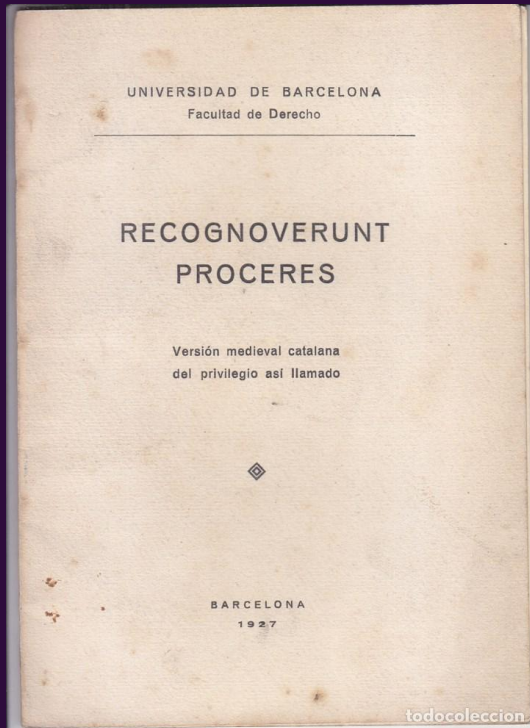


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CHANGE**

Back to the future:
What Barcelona can teach us



1284

Recognoverunt
Procres



1844

Vapor Vell,
Industrial
Revolution



1986

Olympic Games:
everyone's goal