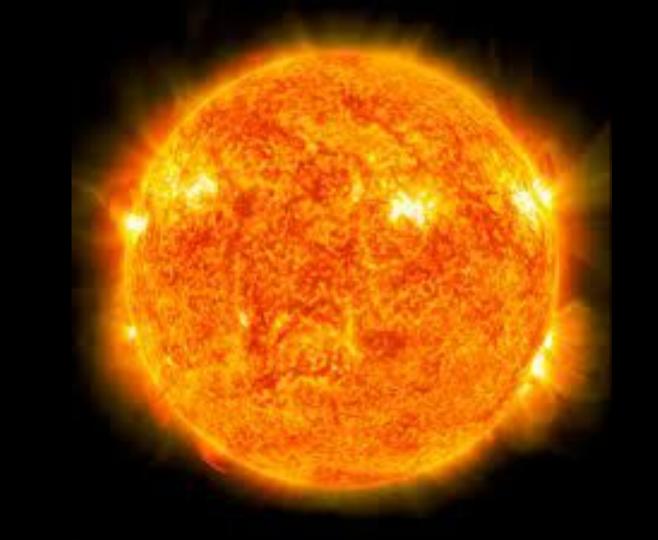


SALUS COOP

Citizen data cooperative for health research

#salusCoop @saluscoop

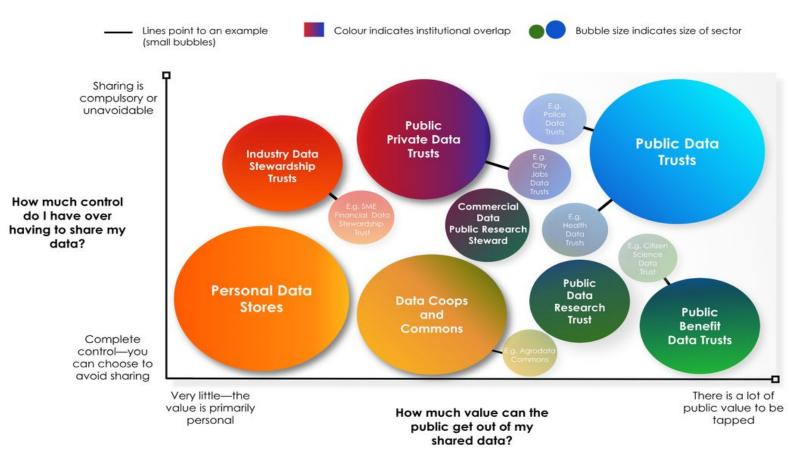
www.saluscoop.org



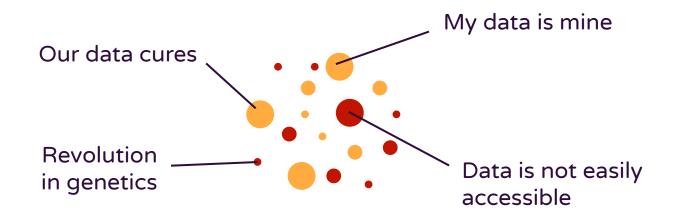




A new framework for data governance



Current context



Changes in the capacity of citizens and social demands Data-driven innovations in technological developments & research Economic pressure on public health systems

SALUS COOP

Objective



To explore a citizen-driven model of collaborative governance & management of health data.

This model should enable citizens to share their health data to accelerate research and innovation in healthcare, thus maximizing social and collective benefits.

Envisioned scenario



DATA USERS For conducting research

- Research centres
- Universities
- Research units in companies

2017 / Barcelona 46 Socis/es

QUI SOM?

- Joan Guanyabens Calvet
- Andrea Barbiero
- Javier Creus Román
- Mara Balestrini
- Valeria Righi
- Gabriela Masfarré Pinto
- Lluís Muns Terrats
- Jose Manuel Picas Vidal
- Genís Roca Verat
- Pere Merino Tarafa
- Gemma Domènech
- Fernando de la Rosa



- Marta Segura Bonet
- Lluís Torrens Mèlich
- Francesc Lopez
- Sandra Walsh
- Carlos Cuffí Estevez
- Miquel Angel Oliva
- Marc de San Pedro
- Juan Antonio de los Cobos
- Felipe Macias Acuña
- Àngels Cobo
- Pere Pascal
- Betsabé Melcon

- Ariadna Esteve
- Sara Mas
- Darina Codina
- Mont Porta
- Vicky Medina
- Tino Martí
- Simona Levi

I 15 socis/sòcies col·laboradors

SALUS COOP

First feasibility study







Barcelona, Spain July to December, 2016

Focus: Breast cancer

First feasibility study



OBJECTIVE

To explore, define and validate the hypothesis of creating a cooperative of citizens willing to govern the use of their health data, by analyzing the social, technological and legal viability.



+35 INTERVIEWS

Actors interviewed:

- Patient associations
- Researchers
- Physicians
- Bioethics experts
- Entrepreneurs in the health sector
- Open data promoters
- Blockchain experts
- Legal experts

Topics covered during the interviews:

- Perceived benefits and values
- Perceived risks
- Possible barriers
- Relationship between groups of agents



2 VALIDATION SESSIONS

34 participants

Representatives of the three main actors groups:

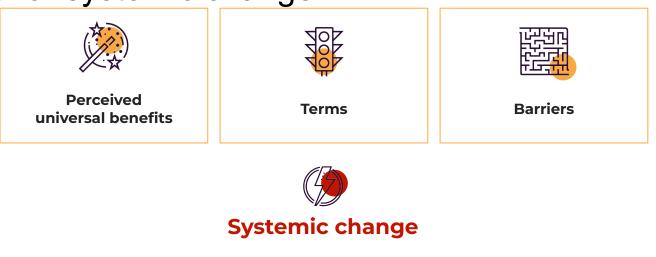
- Citizens
- Data keepers
- Data users

Main topics covered in the sessions:

Benefits and risks of four models of data governance:

- Individual
- Public
- Private
- Collective

Triggers for systemic change



Data: scarcity → abundance
 Management: individual → collective
 Channels: intermediaries → direct
 Knowledge: asymmetry → symmetry of information
 Publications: selective → integral
 Actors: a certain number → multiplicity
 Innovation: on products → on processes

FIRST FEASIBILITY STUDY

Initial findings



PERCEIVED UNIVERSAL BENEFITS

Provision:

- Prevention & personalization
- Management of healthcare
 services

Innovation:

- Research
- New business models in healthcare



TERMS

Control & transparency:

- Clear and understandable information
- Who has access to data? What for?
- What are the results of data use?

Anonymity & Security:

- Prevent re-identification as much as possible
- Not central repository of data

Collective benefits:

- No individual return
- Citizen-driven research agenda



BARRIERS

Entry barriers to citizens:

- Motivate citizens to participate
- > Help citizens understand the health data ecosystem and the value of sharing data
- Consider possible technological / educational barriers that might prevent access to certain groups

Barriers among agents:

- Possible changes in the relationship between patient and physician
- Possible changes in the practices of physicians
- Distrust towards business-driven research

Data governance principles





CONDITIONAL DONATION

Citizens should have the right to decide under which conditions they want to donate their health data.

COLLECTIVE BENEFITS

The use of data by any agents should generate a clear and unequivocal benefit to society.



MOTIVATIONAL INCENTIVES

In order to reach a significant data sample for conducting research, it is key to motivate the greatest number of citizens to donate their data. Incentives to individuals shouldn't be put ahead of the common good. Incentives could be given in form of services.



RIGHTS MANAGEMENT

Mechanisms of collective governance that allow to guarantee the collective benefits from data use, and manage citizens' conditions on data donation "Data is the raw material of the 21st century, and the question 'Who owns that data?' will decide in the end whether democracy, a participatory social model, and economic prosperity can be combined."

ANGELA MERKEL



Conditions for data donation



Let's decide the future of our data

Participate here www.ideasforchange.com/triem







IDEAS FOR CHANGE





Conditions for data donation

Who requests data

- Which data is requested
- What is research conducted for
- How will results be shared

Conditions for data donation

TRIEM Web



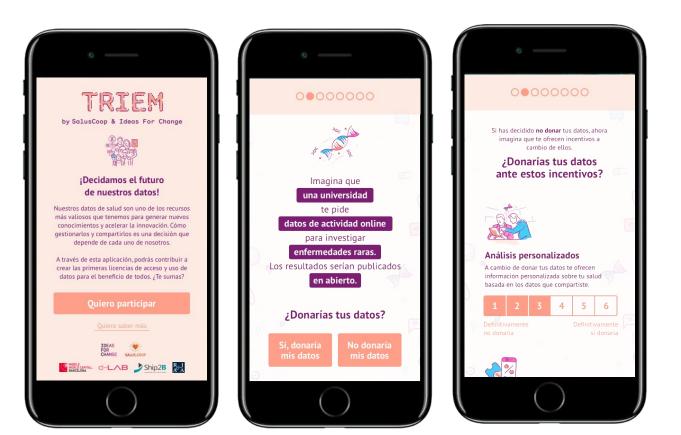
Veure vídeo!



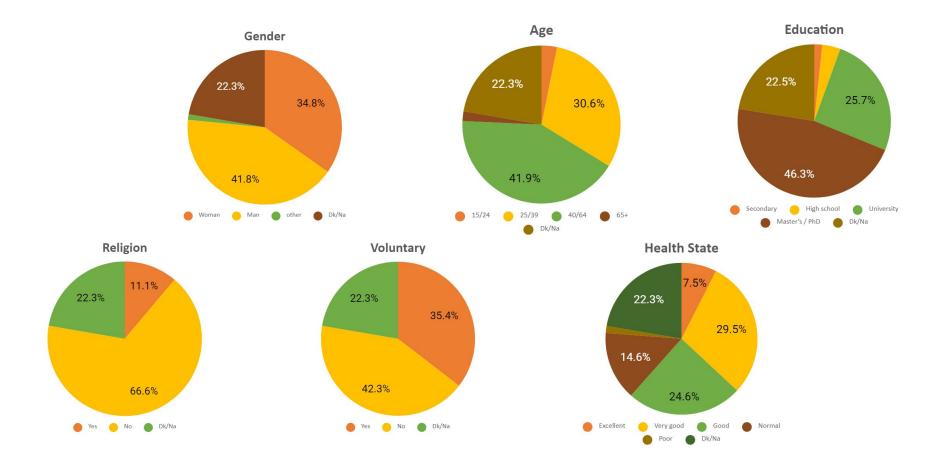
Nuestros datos de salud son uno de los recursos

www.ideasforchange.com/triem

TRIEM

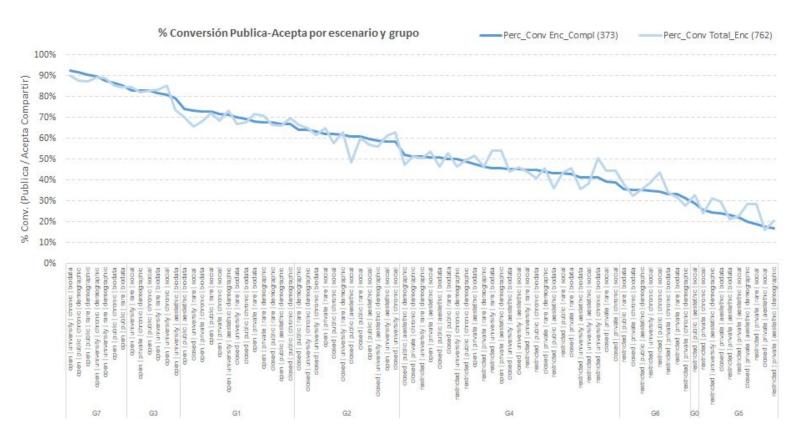


600 identified respondents to more than 8.000 scenarios



TRIEM

Results after 8.000 scenarios valuated by citizens



TRIEM

% Donation = "yes".. 8.000 scenarios. TRIEM 2018. SalusCoop

SEGMENTO	PUBLICACIÓN	ENTIDAD	ENTIDAD	% DONACIÓN
Salus	Open	Pública & University	Chronic & rare	87%

+Private	Open	Private	Chronic & rare	72%
+Aesthetics	Open	Publica & university	Aesthetic	71%
+Closed	Closed	Public & university	Chronic & rare	64%

Rest of others	otras combinaciones	otras combinaciones	otras combinaciones	38%
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TRIEM Main conclusions

% Donation drivers:

1st. Shared Results 2nd. Non-profit entities 3rd. Only critical diseases



 No incentive changes donation (money included)



SALUS CG LICENSE

Salus Common Good Data License for Health Research



When you apply **Salus Data License for Health Research** to any data you are contributing to public interest, relevant issues, open knowledge discoveries to improve our collective health.

Supporting entities: SALUS CG license has been developed by SalusCoop a citizen cooperative of data for health research created in Barcelona, 2017. Learn more & join at: www.saluscoop.org

If you already give away your data in every tweet, like or post, why not do it for a purpose?

Portrait young woman

#YourDataAreVital TO CHANGE THE GAME



SALUS.COa Offguración para activar Data Donors for Common Good





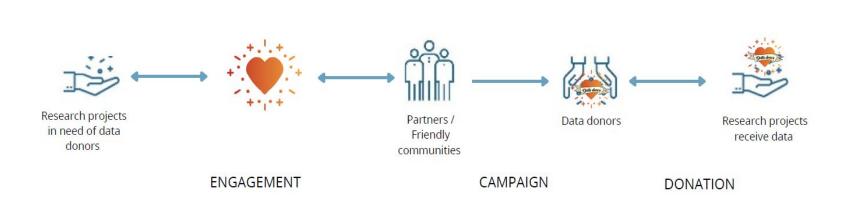


The non-profit cooperative from Citizens to Citizenship.

THE GAME CHANGER TO ACHIEVE ACTUAL HEALTH & SOCIAL IMPACT IN THE NEXT 5 YEARS.

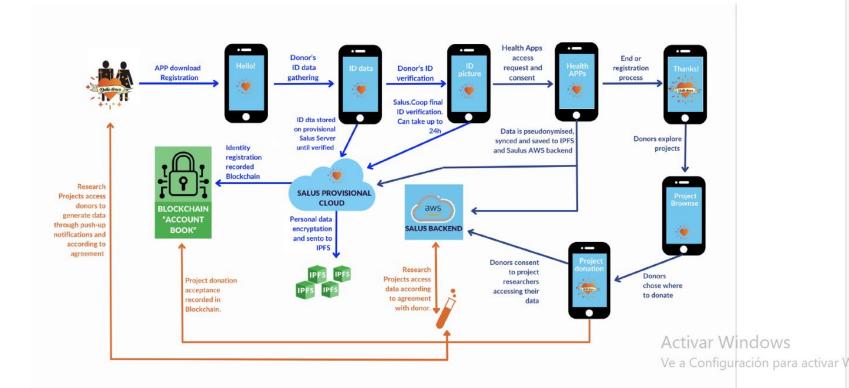
> Activar Windows Ve a Configuración para activar

REAL WORLD BIG DATA. CITIZEN TRUST FOR COLLECTIVE BENEFIT.



Activar Windows Ve a Configuración para activa

REAL WORLD BIG DATA. CITIZEN TRUST FOR COLLECTIVE BENEFIT.



Data altruism as defined in the DGA



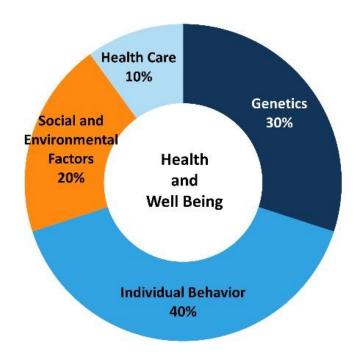
Data altruism is **voluntary sharing of data** for objectives of general interest on the basis of consent or permission without seeking or receiving a reward.

Objectives of general interests (set by national

- law) may include
- healthcare,
- combating climate change,
- improving mobility,
- · facilitating the development,
- production and dissemination of official statistics,
- improving the provision of public services, public policy making
- or scientific research purposes in the general interest

Figure 1

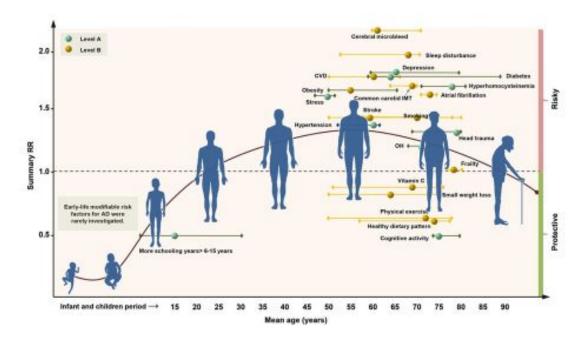
Impact of Different Factors on Risk of Premature Death





Evidence-based prevention of Alzheimer's disease

Distribution of modifiable factors with Class I recommendation throughout the course of life.



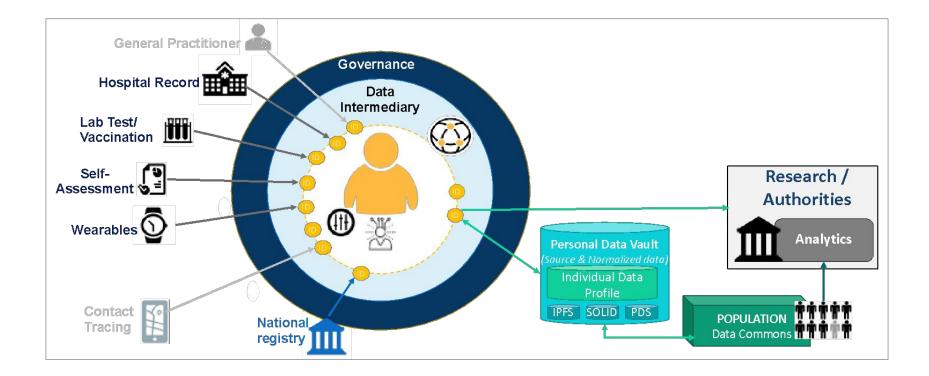
Jin-Tai Yu et al. J Neurol Neurosurg Psychiatry 2020;91:1201-1209



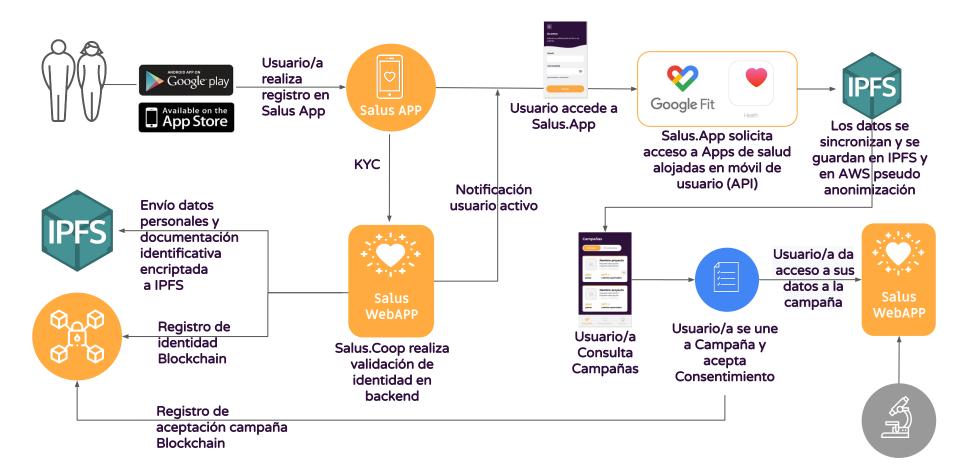
La Marató 🔀



Banc de Sang i Teixits



Flujo Funcional Salus APP









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Projectes Institut de Recerca: ISGlobal. Cities Healt

Ciutats sanes, ciutats netes

Data donor

GRÀCIES

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THANK YOU!

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