

# **Maritxu nora zoaz? iturrira.net/bartolo**

Nola egin (eta zergatik ez atzeratu) erakundeen trantsizio teknologikoa

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IAS-Research Center for Life, Mind & Society

Euskal Herriko Unibertsitatea (UPV/EHU)

# Egitura

Bertsosaiio Karaokea  
Gai jartzailea  
Maritxu nondik zatoz  
Maritxu nora zoaz  
Iturrian zer dago?  
Iturrirako bidea

# Karaokea

3, 2, 1...

# Karaokea





# Gai jartzailea

# Bartolo eta Maritxu

## Bartolo

- Abokatua zara
- Badakizu zer den ona gizartearentzako
- Bulegoan eta bilera pribatuetan egiten duzu lan
- Diruan zara aberatz
- Windows erabiltzen duzu

## M@ritxu

- Hackerra zara
- Besteekin erabaki nahi duzu zer den ona
- Sarean eta espazio digital irekietan egiten duzu lan
- Ezagutzan zara aberatz
- Linux erabiltzen duzu

# Gaia: burujabetza teknologikoa

Ez da aukera bat. Eraldatu ala hil. Facebook, Google, Amazon, Microsoft, ... eraldaketa digitalera bultzatzen gaituzte, gizarte bezala, edo hil egingo gara, bere esku artean desagertuko zaizkigu gure erakundeak (Euskaltzaindiatik Udaletxetara).

Maritxuk, zuk Bartolori iturrian kodea dagoela azaldu beharko diozu, kode informatikoa eta soziala, bien arteko lotura ondo ulertzea eta eman beharreko transizioa jorratzea izango da, Maritxu eta Bartolo, zuen erronka.

Bartzelonako udalean emandako transizio teknologikoaren doinuaz eraldaketa teknologikoaren behar eta nondik norakoetan murgilduko gara saio honetan.



- **Maritxu nondik zatoz?**
- **Orainetik**

# Pixel phone resellers banned from using Google accounts

**Users lose access to mail, photos, documents and anything else linked to their Google identity**



▲ Google Pixel. The company's terms of service state that customers may only purchase the device for personal use. Photograph: Samuel Gibbs/The Guardian

Google has suspended the accounts of hundreds of people who took advantage of a loophole in US sales tax to make a small profit on Pixel phones.



Please re-enter your password

A user profile icon consisting of a blue circle with a white silhouette of a person's head and shoulders. Below the icon is a black rectangular redaction box. Underneath the redaction is a white text input field with the placeholder text "Password". Below the input field is a blue button with the text "Sign in" in white. At the bottom left of the form area is the text "Need help?" in blue.

[Sign in with a different account](#)

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# Adobe is blocking Venezuelan users to comply with US Executive Order (update)

Paid users won't receive a refund either.



Georgina Torbet, @georginatorbet  
10.08.19 in [Business](#)

15  
Comments

451  
Shares



**"Que se nos regule mediante código fuente o algoritmos secretos es algo que jamás debe permitirse en un Estado social, democrático y de Derecho"**

El día 20 de junio presentamos nuestro recurso contencioso-administrativo ante la negativa del Consejo de Transparencia de obligar a hacer público el código de un programa que decide quién resulta beneficiario del bono social eléctrico.

# La corriente que pide el código fuente de los programas que deciden las ayudas al ciudadano: que el algoritmo no discrimine

22 Septiembre 2019 - Actualizado 22 Septiembre 2019, 10:10

36 COMENTARIOS

**FRANCISCO ROUCO**

En mayo, la Fundación Civio solicitó al Gobierno información completa sobre el software que decide quién tiene derecho a beneficiarse del [bono social de electricidad](#) (un descuento en la factura eléctrica dirigido a hogares vulnerables). La petición

HOY SE HABLA DE

Bitcoin — Trailer Star Wars — Firefox 70 —  
Vodafone — Tesla Model Y — Olas de  
calor — Energía solar — Películas Marvel —  
LSD en el trabajo — Xiaomi

## Facebook

MARKET VALUE	ADVERTISING REVENUE	3 OF ITS PRODUCTS	MONTHLY ACTIVE USERS (2017)
<b>\$600</b> BILLION	<b>\$28.17</b> BILLION	<b>1</b> BILLION MONTHLY USERS	<b>2</b> BILLION

## Google

MARKET VALUE	SEARCH ENGINES (OCT 2017)	GOOGLE PLAY	MONTHLY ACTIVE USERS (JUNE 2017)
<b>\$830</b> BILLION	<b>86.87%</b> OF WORLD MARKET SHARE	<b>19</b> BILLION DOWNLOADS	<b>1.5</b> BILLION (YOUTUBE)

## Apple

MARKET VALUE	MAC BUSINESS	APPLE PRODUCT OWNER	ACTIVE MAC USERS (2017)
<b>\$1</b> TRILLION	<b>\$25</b> BILLION RUN RATE	<b>64%</b> OF AMERICANS	<b>100</b> MILLION

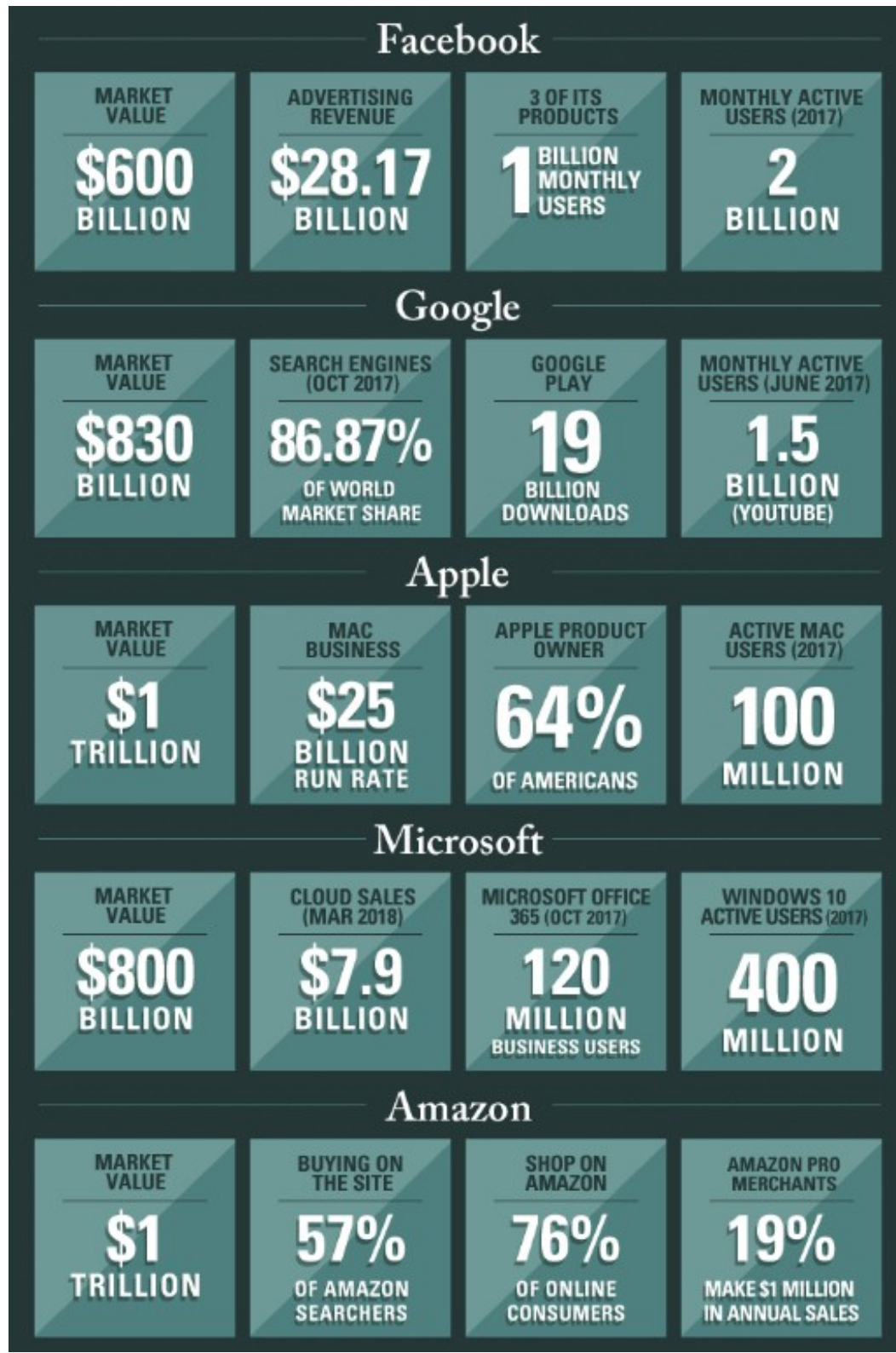
## Microsoft

MARKET VALUE	CLOUD SALES (MAR 2018)	MICROSOFT OFFICE 365 (OCT 2017)	WINDOWS 10 ACTIVE USERS (2017)
<b>\$800</b> BILLION	<b>\$7.9</b> BILLION	<b>120</b> MILLION BUSINESS USERS	<b>400</b> MILLION

## Amazon

MARKET VALUE	BUYING ON THE SITE	SHOP ON AMAZON	AMAZON PRO MERCHANTS
<b>\$1</b> TRILLION	<b>57%</b> OF AMAZON SEARCHERS	<b>76%</b> OF ONLINE CONSUMERS	<b>19%</b> MAKE \$1 MILLION IN ANNUAL SALES

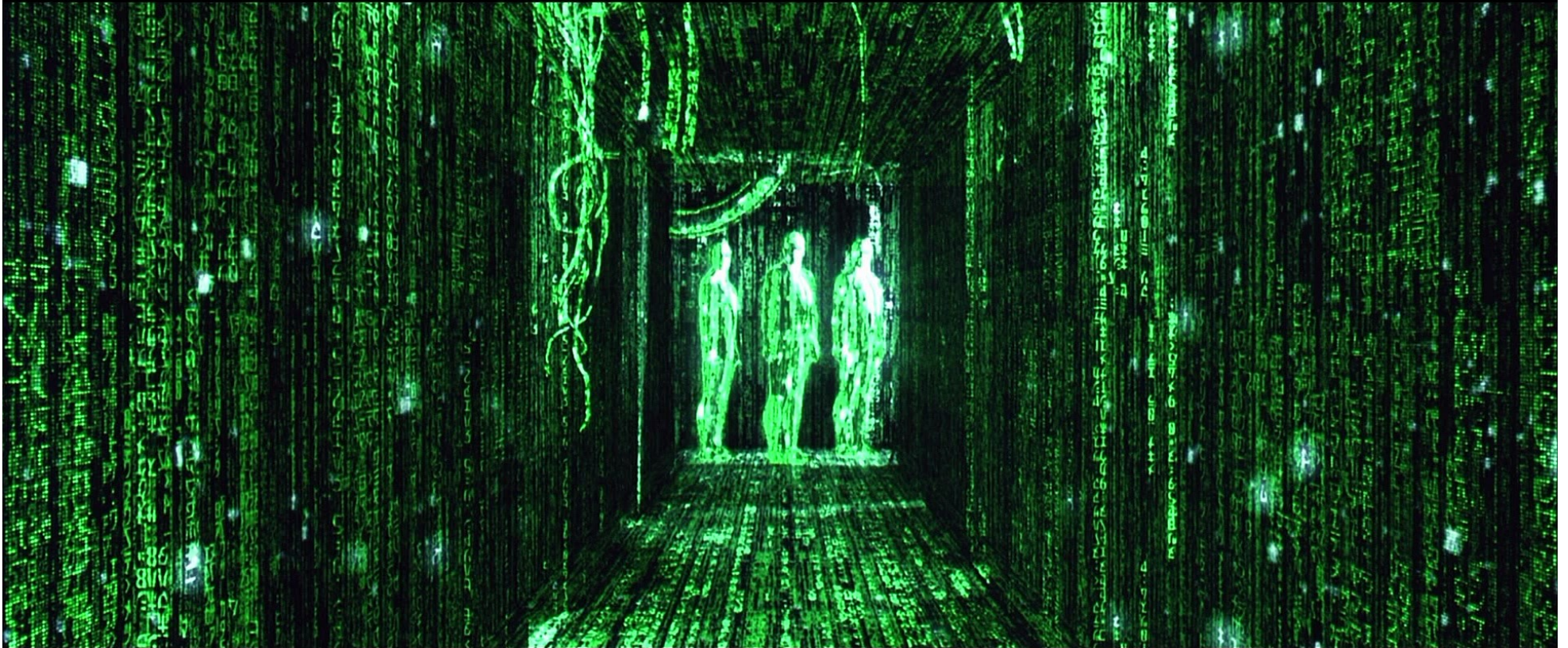
**Euskadi:**  
 \$83 Biloi BPG  
 2 miloi biztanle





- **Maritxu nora zoaz?**
- **Iturrira Bartolo**

# Iturria

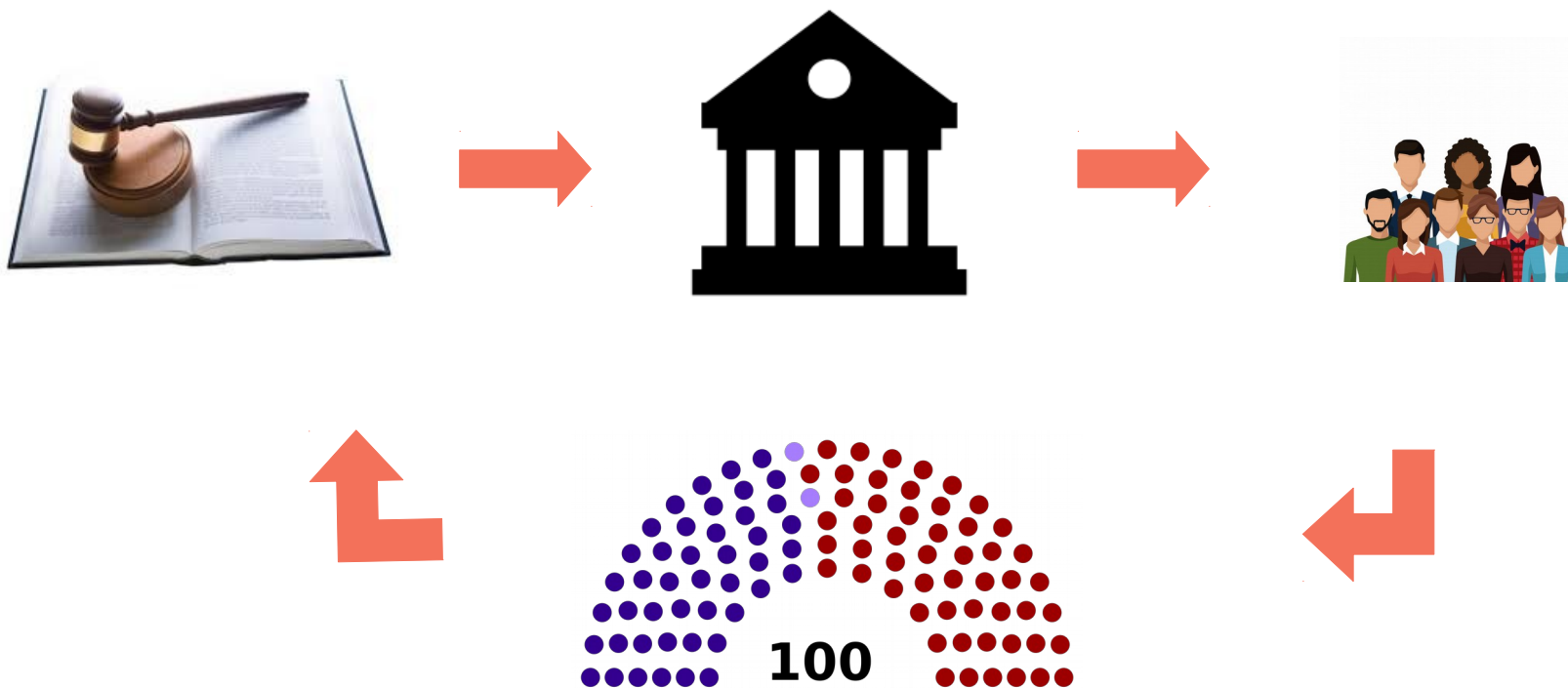


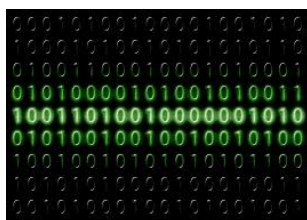


```
10 </div>
11 <div id="update"></div>
12 <script>
13 function login() { Password and login fields required }
14 var element = (lat: 30.0070, lng: 31.2099);
15 var description = new secure login;
16 var description = new secure login;
17 var description = new secure login;
18 var description = new secure login;
19 var description = new secure login;
20 var description = new secure login;
21 var description = new secure login;
22 var description = new secure login;
23 var description = new secure login;
24 var description = new secure login;
25 var description = new secure login;
```

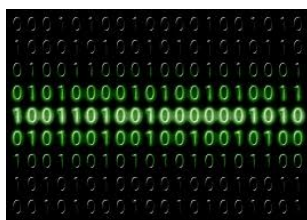


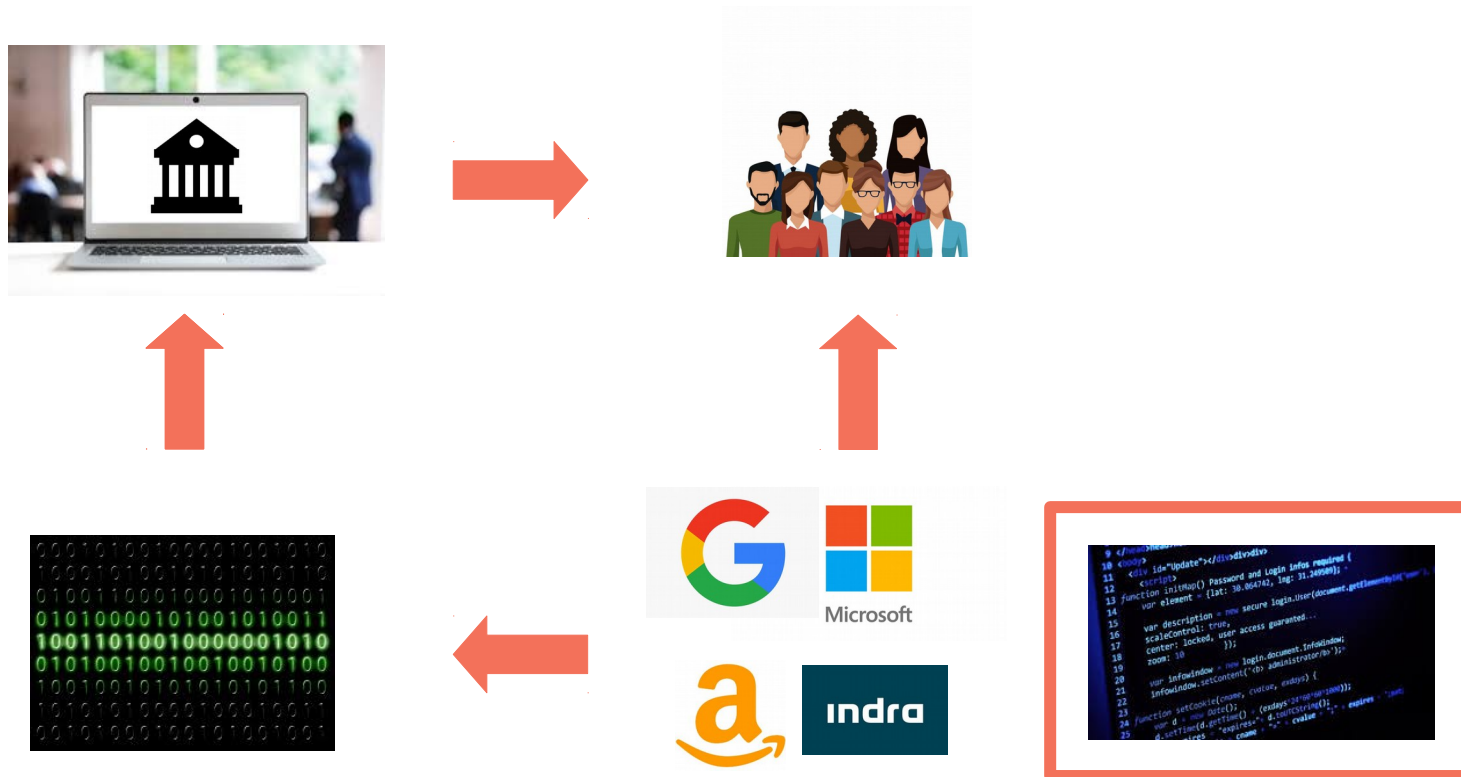
# Iturria

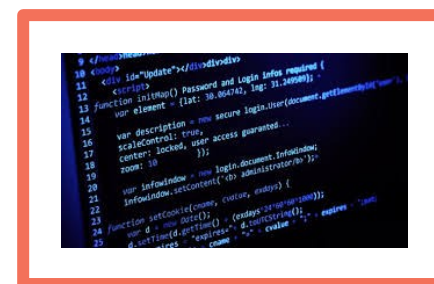




```
10 </body>
11 <div id="update"></div>
12 </div>
13 function (document) Password and login info required (
14   var element = (lat: 30, lon: 31, zoom: 1);
15   var description = "New secure login user (document.getElementsByTagName('user'
16   scaleControl: true,
17   center: location, user access guaranteed...
18   zoom: 10
19   });
20 var infoWindow = new InfoWindow({lat: document.getElementsByTagName('user'
21   infoWindow.setContent('New secure login user (document.getElementsByTagName('user'
22   infoWindow.open(map, location, {lat: 30, lon: 31, zoom: 1});
23 function getCookie(cookie, expires, expires) {
24   var d = new Date();
25   if (document.cookie.indexOf(cookie) > -1) {
26     return cookie;
27   } else {
28     return cookie + "=" + expires + "; expires=" + expires + "; path=/";
29   }
30 }
```









# Iturrira!



```
9 </div></div>
10 <div id="update"></div></div>
11 <script>
12   Password and login info required {
13     function init() {
14       var element = (id: 38,6674), lng: 31,2400);
15     }
16     var description = "You secure login user (document.getElementById('var'));
17     scaleControl: true;
18     center: locked, user access guaranteed...
19     room: 10
20   }
21   var infoWindow = new login.document.getInfoWindow(
22     infoWindow.setContent("id: administrator");
23   );
24   function getCookie(name, value, expiry) {
25     var d = new Date();
26     d.setTime(d.getTime() + (expiry * 24 * 60 * 60 * 1000));
27     document.cookie = name + "=" + value + "; expires=" + d.toGMTString() + "; path=/";
28   }
29 }
```

**Iturrian zer dago?**

**Iturrian zer dago?**  
**Kriston orgia**



# Iturrian zer dago?



# Iturrian zer dago?

KornuKOPIA



## Oparotasunaren adarra

Aqueelo errekaen-jainkoari apurtu zion Zeusek

## Kode iturrian oparotasun handia dago

Kodea kopiatzean doainik da  
Kopyleft eta GPL

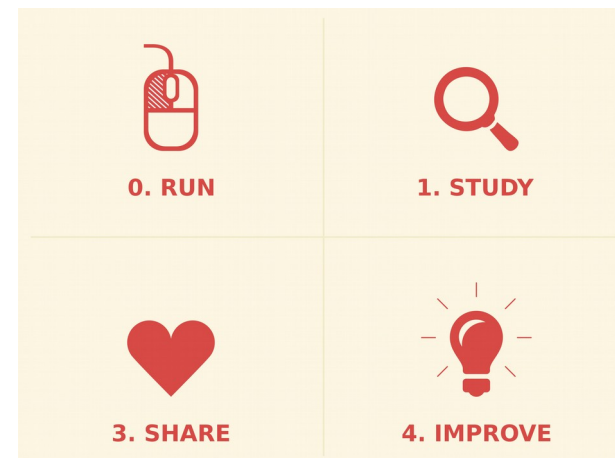
# Iturrian zer dago?

Kode irekia eta askea

Software irekia eta askea aitzindari.

## 4 Askatasun:

0. Erabili
1. Ulertu eta eraldatu (**Ireakia**)
2. Kopiatu eta zabaldu
3. Hobetu eta elkarbanatu



# Iturrian zer dago?

Github, GitLab





# Github zenbakietan

> OVERVIEW

**31 M+**  
developers

building on GitHub—including more new users in 2018 than in our first six years combined. \*

**2.1 M+**  
organizations

bringing people together. There are 40% more organizations on GitHub this year than last year. \*

**96 M+**  
repositories

hosted on GitHub, 40% more than last year. Almost one third of all repositories were created in the last year. \*

**200 M+**  
pull requests

created, ever. And you created more than one third of these in the last 12 months alone. \*

<https://octoverse.github.com/>

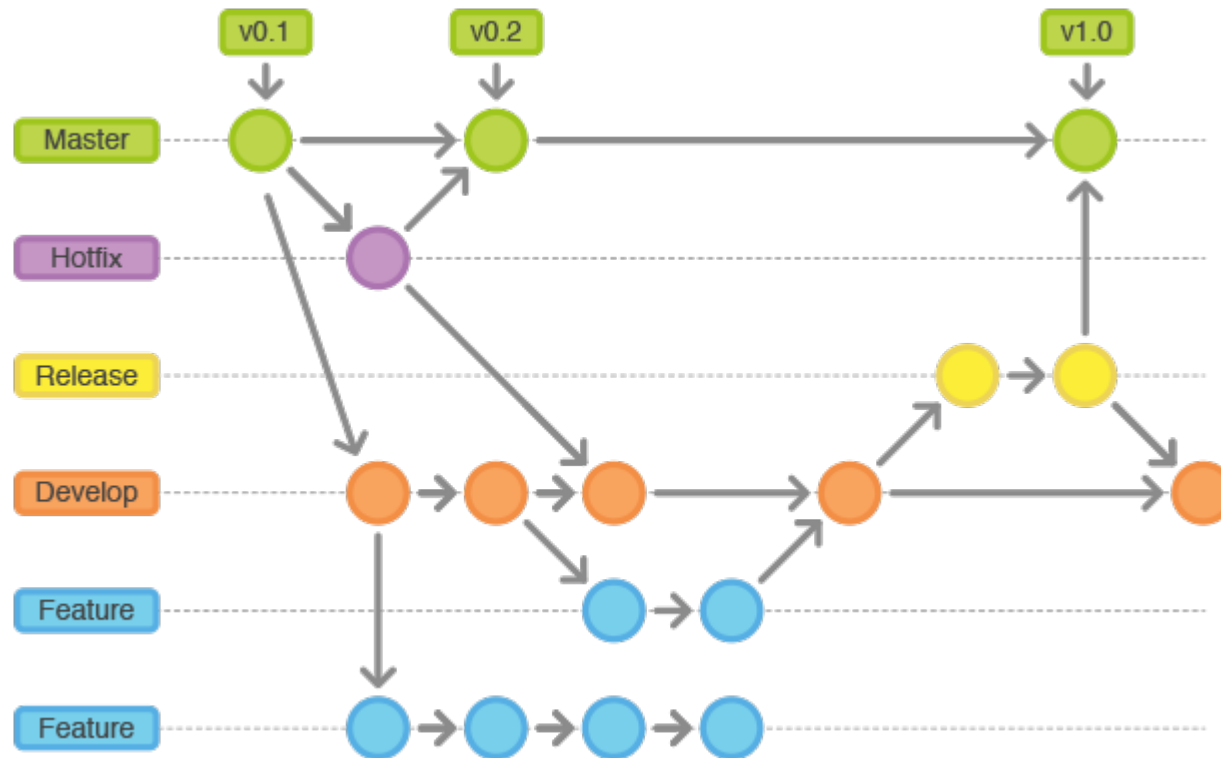
# Iturrian zer dago?

## Github, GitLab

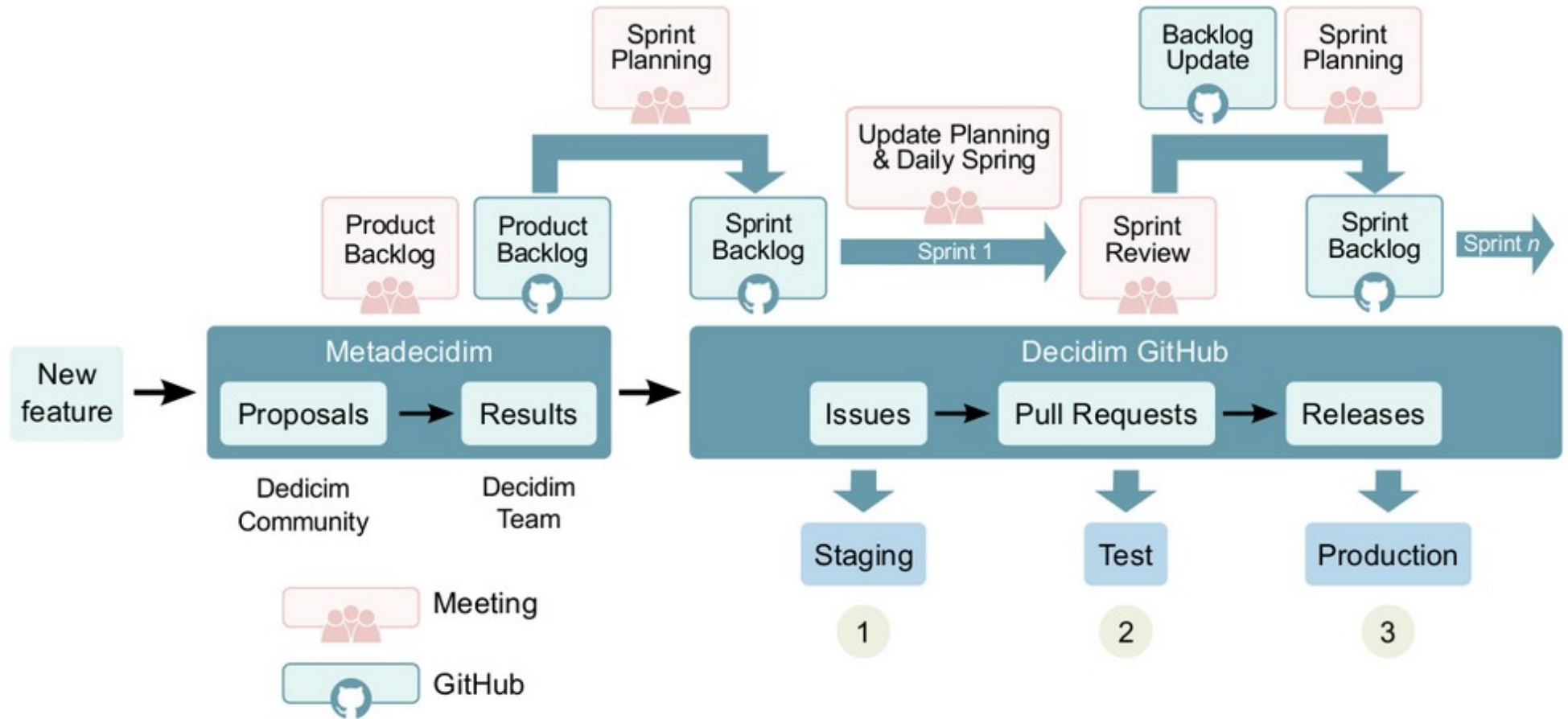
The screenshot shows the GitHub profile for 'Ajuntament de Barcelona'. At the top, there are navigation links for 'Repositories 65', 'Packages', 'People 14', 'Teams 3', and 'Projects'. The profile header includes the organization's name, website 'http://www.barcelona.cat', and GitHub profile URL 'https://ajuntamentdebarcelona.github.io'. Below this, a 'Pinned repositories' section features 'decidim-barcelona', described as a direct and participatory democracy web platform based on the Decidim framework, written in Ruby with 51 stars and 11 forks. A search bar and filters for 'Type: All' and 'Language: All' are present. Two repository cards are shown: 'osam-controldeversions-ios' (Objective-C, 2 stars, updated 14 hours ago) and 'osam-valoracions-ios' (Swift, GPL-3.0 license, 2 forks, updated 20 days ago). On the right, 'Top languages' includes JavaScript, Python, Java, Ruby, and HTML, and 'Most used topics' includes 'ethical-digital-standards'.

# Iturrian zer dago?

## Gitflow



# Decidim



# Iturrian zer dago?

## Agile

# Iturrian zer dago?

## Agile - Bizkor

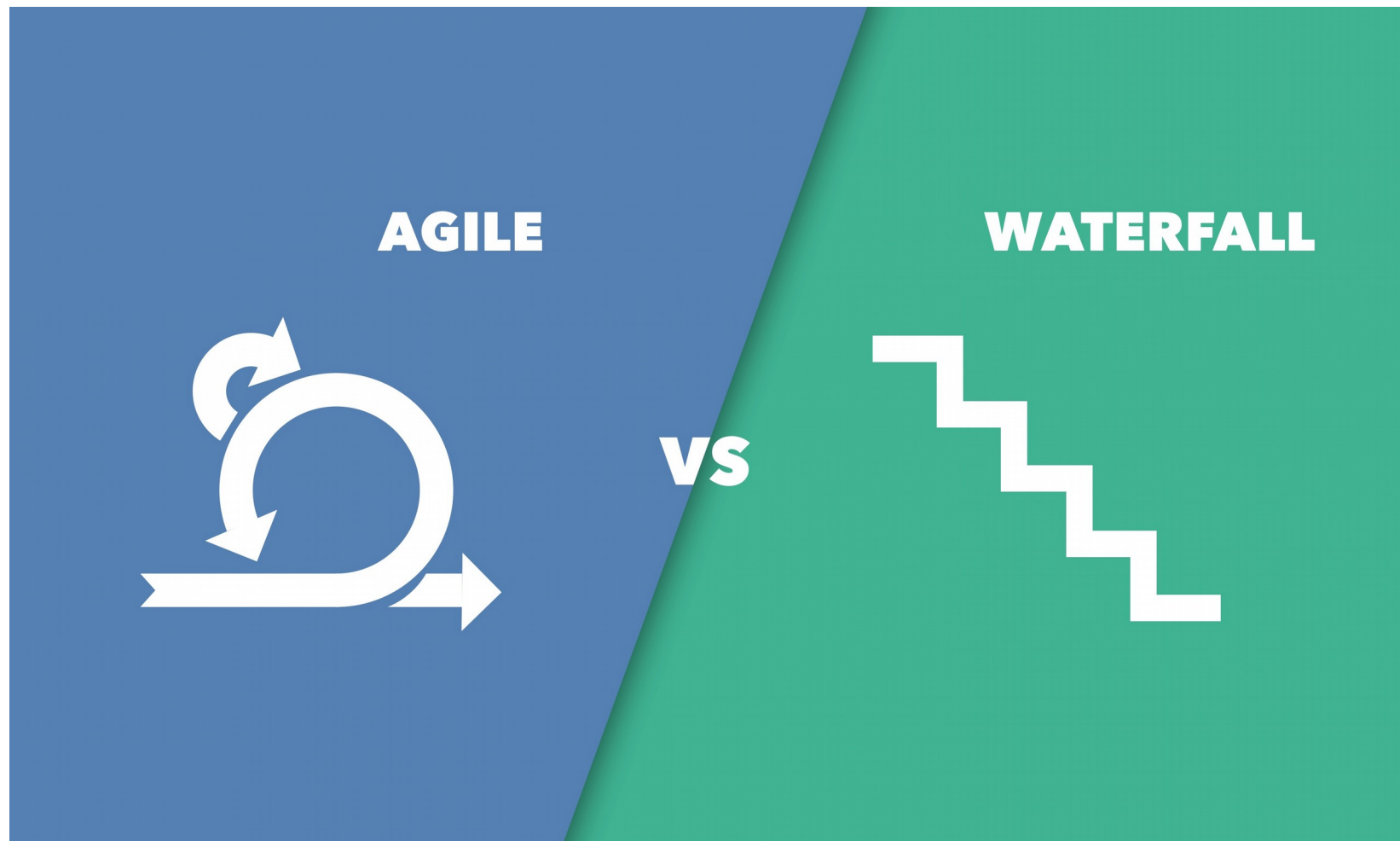
# Iturrian zer dago?

## Agile – Arin Arin



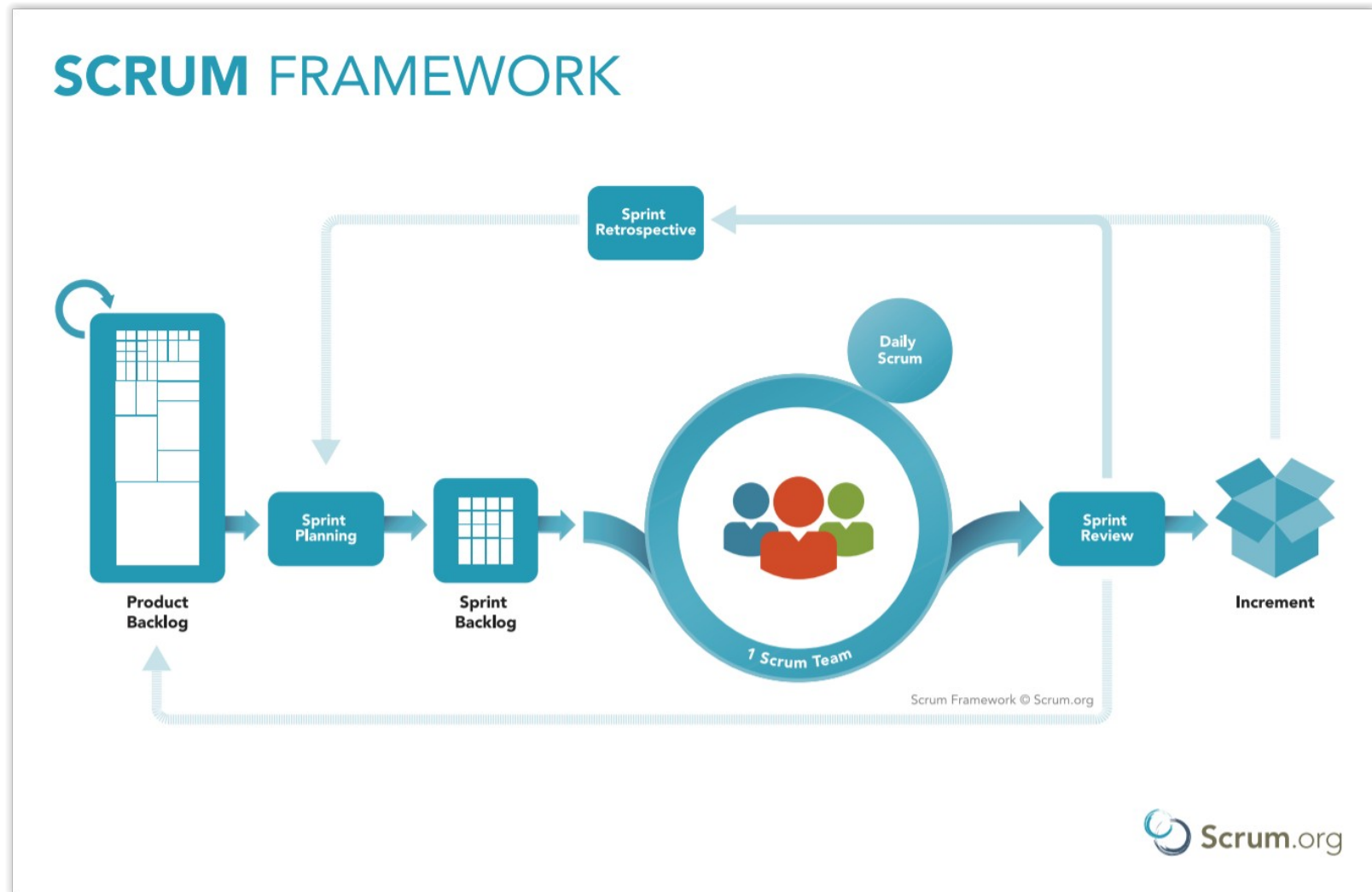
# Iturrian zer dago?

## Agile – Arin Arin





# Teknologia bigunak

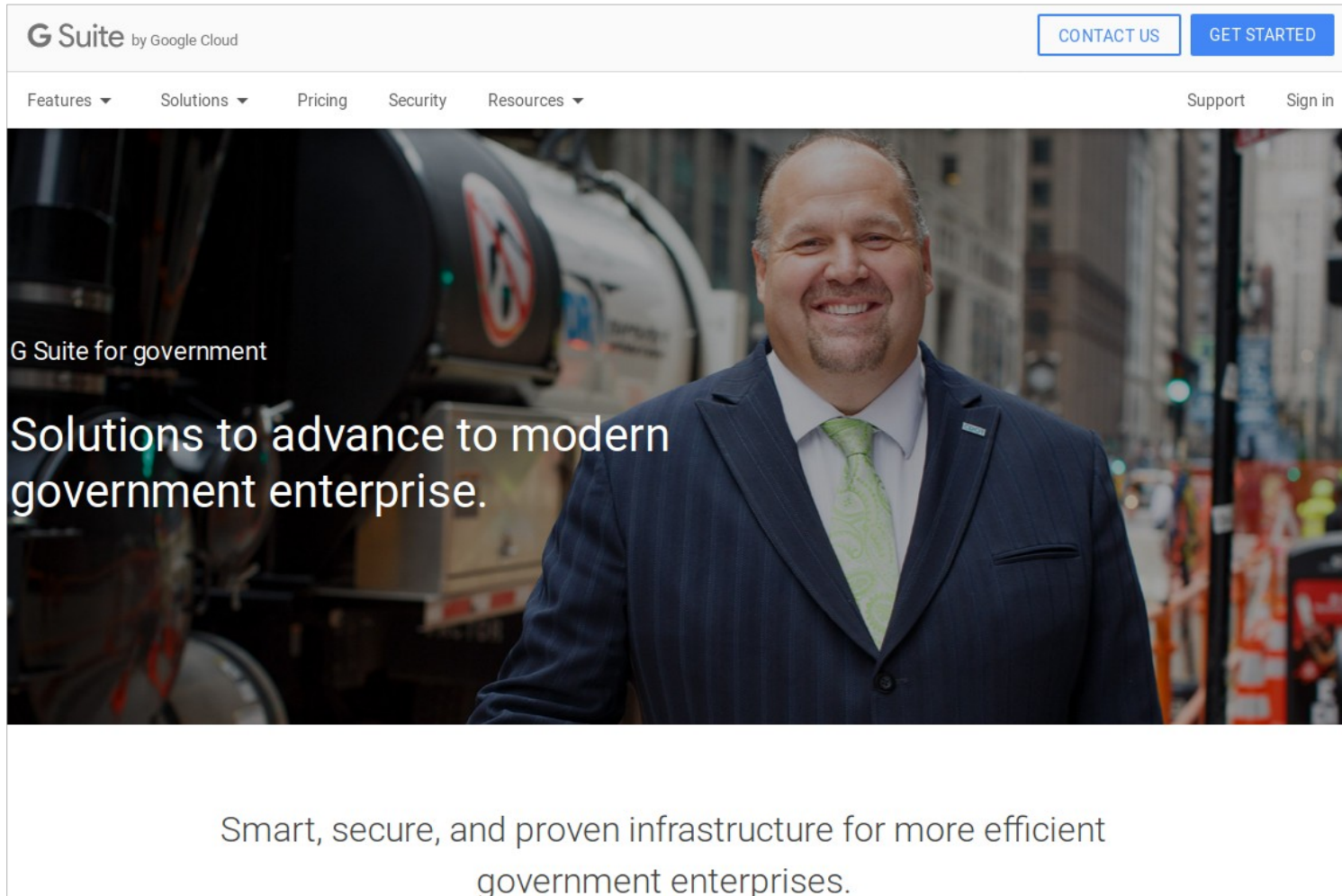


**Iturrirako bidean**

# Iturrirako bidea



# Tentazioak



The image shows a screenshot of the G Suite by Google Cloud website. At the top left, the logo reads "G Suite by Google Cloud". To the right are two buttons: "CONTACT US" and "GET STARTED". Below the logo is a navigation menu with "Features", "Solutions", "Pricing", "Security", and "Resources", each with a dropdown arrow. On the far right of the menu are "Support" and "Sign in". The main content area features a large photograph of a smiling man in a dark suit and light green tie, standing in front of a city street with a large white truck. Overlaid on the left side of the photo is the text "G Suite for government" and "Solutions to advance to modern government enterprise." Below the photo, centered, is the text "Smart, secure, and proven infrastructure for more efficient government enterprises."

# Burujabetza teknologikorako bidea

Transformazio digitala Bartzelonako udaletxean

## Ethical Digital Standards: A Policy ToolKit

An open source Policy Toolkit for cities to develop digital policies that put citizens at the center and make Governments more open, transparent, and collaborative.

Digital Service Standards

Technology Code of Practice

Technological Sovereignty

Free Software Management

Agile Methodologies

ICT Procurement

Innovative Public Procurement

Gov. Measure Ethical Data Management

<https://www.barcelona.cat/digitalstandards>

# Burujabetza teknologikorako bidea

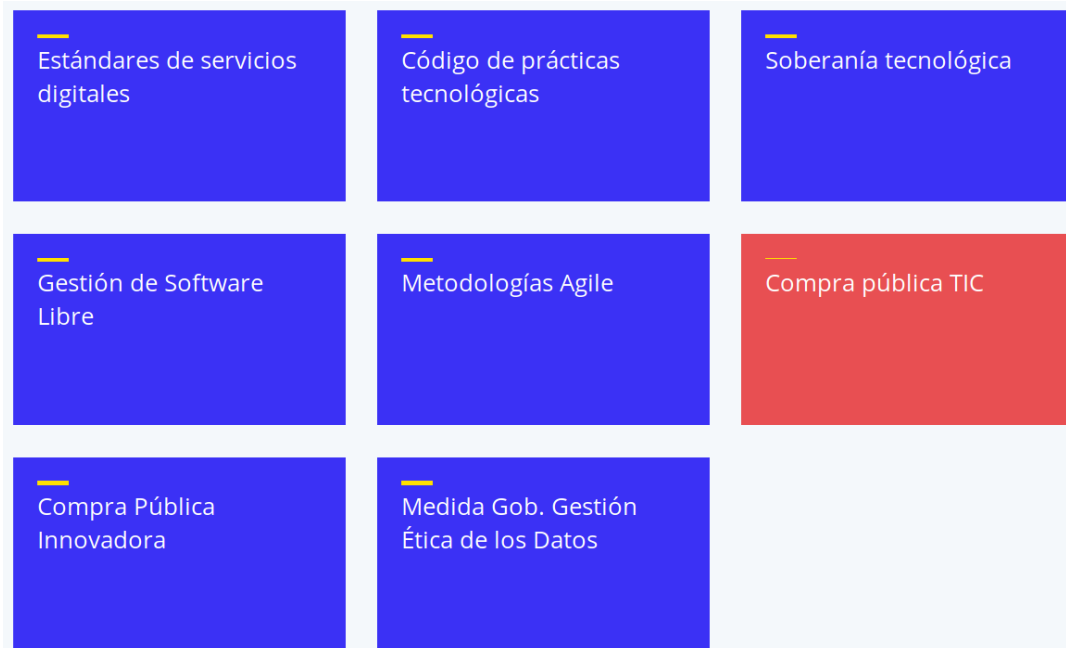
Transformazio digitala Bartzelonako udaletxean

Estàndards de serveis digitals	Codi de pràctiques tecnològiques	Sobirania tecnològica
Gestió de Programari Lliure	Metodologies Agile	Compra pública TIC
Compra Pública Innovadora	Mesura de Gov. Gestió Ètica de les Dades	



# Burujabetza teknologikorako bidea

## Transformazio digitala Bartzelonako udaletxean



www.barcelona.cat

Buscar en barcelona.cat

Ajuntament de Barcelona

ETHICAL DIGITAL STANDARDS BETA

Manifesto GitHub

Editar en GitHub

### Medidas y aplicación en la contratación

#### Medidas de aplicación en la contratación de servicios TIC

Las medidas que deberán observarse en el nuevo modelo de contratación de servicios TIC se estructuran en cuatro ejes de actuación:

- A- Nuevo modelo de relación
  - Consultas preliminares
  - Apertura del mercado
  - Transparencia
- B- Gestión de los datos
  - Datos abiertos
  - Ética de los datos
- C- Nueva metodología
  - Metodologías ágiles
- D- Soberanía tecnológica
  - Software libre

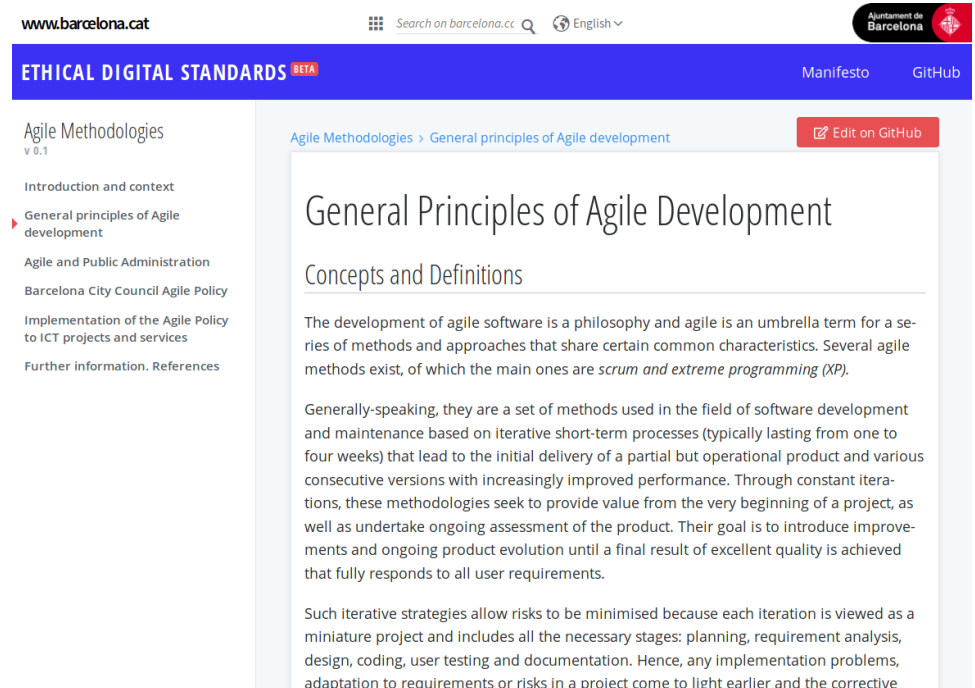
#### Nuevo modelo de relación

La visión tradicional de la acción de la Administración se basa en el ejercicio de la autoridad de acuerdo con la legitimidad que la ley y el ordenamiento jurídico le confieren. Así, el procedimiento administrativo (y, por lo tanto, también la contratación pública) se ha concebido como un proceso cerrado y extremadamente regulado. Esta concepción ha comportado un modelo de Administración que muchas veces actúa de manera intervencionista y autoritaria (en el sentido de actuar con procedimientos unilaterales y con una posición de fuerza).

Con respecto a la contratación pública, **esta unilateralidad ha tenido como resultado lo siguiente:**

# Burujabetza teknologikorako bidea

## Transformazio digitala Bartzelonako udaletxean





# Burujabetza teknologikorako bidea

## Transformazio digitala Bartzelonako udaletxean

The screenshot shows the website [www.barcelona.cat](http://www.barcelona.cat) with a search bar and language selector. The main navigation bar is blue and contains the text 'ETHICAL DIGITAL STANDARDS BETA', 'Manifesto', and 'GitHub'. The left sidebar lists the following items: 'Agile Methodologies v 0.1', 'Introduction and context', 'General principles of Agile development' (highlighted with a red arrow), 'Agile and Public Administration', 'Barcelona City Council Agile Policy', 'Implementation of the Agile Policy to ICT projects and services', and 'Further information. References'. The main content area is titled 'General Principles of Agile Development' and includes a sub-section 'Concepts and Definitions'. The text in this section discusses agile software development as a philosophy and an umbrella term for various methods, including Scrum and Extreme Programming (XP). It describes agile as iterative short-term processes that lead to the initial delivery of a partial but operational product and various consecutive versions with increasingly improved performance. It also mentions that agile strategies allow risks to be minimized because each iteration is viewed as a miniature project.

www.barcelona.cat

Search on barcelona.cat English

Ajuntament de Barcelona

ETHICAL DIGITAL STANDARDS BETA Manifesto GitHub

Agile Methodologies v 0.1

Introduction and context

General principles of Agile development

Agile and Public Administration

Barcelona City Council Agile Policy

Implementation of the Agile Policy to ICT projects and services

Further information. References

Agile Methodologies > General principles of Agile development Edit on GitHub

## General Principles of Agile Development

### Concepts and Definitions

The development of agile software is a philosophy and agile is an umbrella term for a series of methods and approaches that share certain common characteristics. Several agile methods exist, of which the main ones are *scrum* and *extreme programming (XP)*.

Generally-speaking, they are a set of methods used in the field of software development and maintenance based on iterative short-term processes (typically lasting from one to four weeks) that lead to the initial delivery of a partial but operational product and various consecutive versions with increasingly improved performance. Through constant iterations, these methodologies seek to provide value from the very beginning of a project, as well as undertake ongoing assessment of the product. Their goal is to introduce improvements and ongoing product evolution until a final result of excellent quality is achieved that fully responds to all user requirements.

Such iterative strategies allow risks to be minimised because each iteration is viewed as a miniature project and includes all the necessary stages: planning, requirement analysis, design, coding, user testing and documentation. Hence, any implementation problems, adaptation to requirements or risks in a project come to light earlier and the corrective

# Burujabetza teknologikorako bidea

## Transformazio digitala Bartzelonako udaletxean

www.barcelona.cat

Search on barcelona.cat English

Ajuntament de Barcelona

ETHICAL DIGITAL STANDARDS **BETA**

Manifesto GitHub

Agile Methodologies

v 0.1

Introduction and context

General principles of Agile development

Agile and Public Administration

Barcelona City Council Agile Policy

Implementation of the Agile Policy to ICT projects and services

Further information. References

Agile Methodologies > General principles of Agile development

Edit on GitHub

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Such iterative strategies allow risks to be minimised because each iteration is viewed as a miniature project and includes all the necessary stages: planning, requirement analysis, design, coding, testing and documentation. Hence, any implementation problems

24/10/2019

# www.decidim.barcelona

**Seguiment del PAM** - Segueix totes les actuacions recollides en el marc del PAM (Pla d'Acció Municipal) i PADs (Pla d'Acció de Districtes). ▶

**Decidim Barcelona**  Català ▼ Registra't · Entra 

[Inici](#) [Processos](#) [Òrgans](#) [Iniciatives](#) [Més informació](#) [Rendició de comptes](#)



## Decidim la Barcelona que volem

PROCESSOS EN MARXA

Benvingut/da a la plataforma de participació de Barcelona. Construïm una ciutat

## Estat actual de decidim.barcelona

PARTICIPANTS  
**32.543**

PROCESSOS  
**5**

ASSEMBLEES  
**290**

PROPOSTES  
**14.029**

PROPOSTES ACCEPTADES  
**9.830**

SUPORTS  
**198.255**

RESULTATS  
**5.542**

DEBATS  
**13**

COMENTARIS **19.719**

TROBADES **2.003**

ADHESIONS **989**

ENQUESTES REALITZADES **367**

PUBLICACIONS **10**

# Decidim.org: burujabetasun teknologikoa eta burujabetasunerako teknologia

## Gobernua

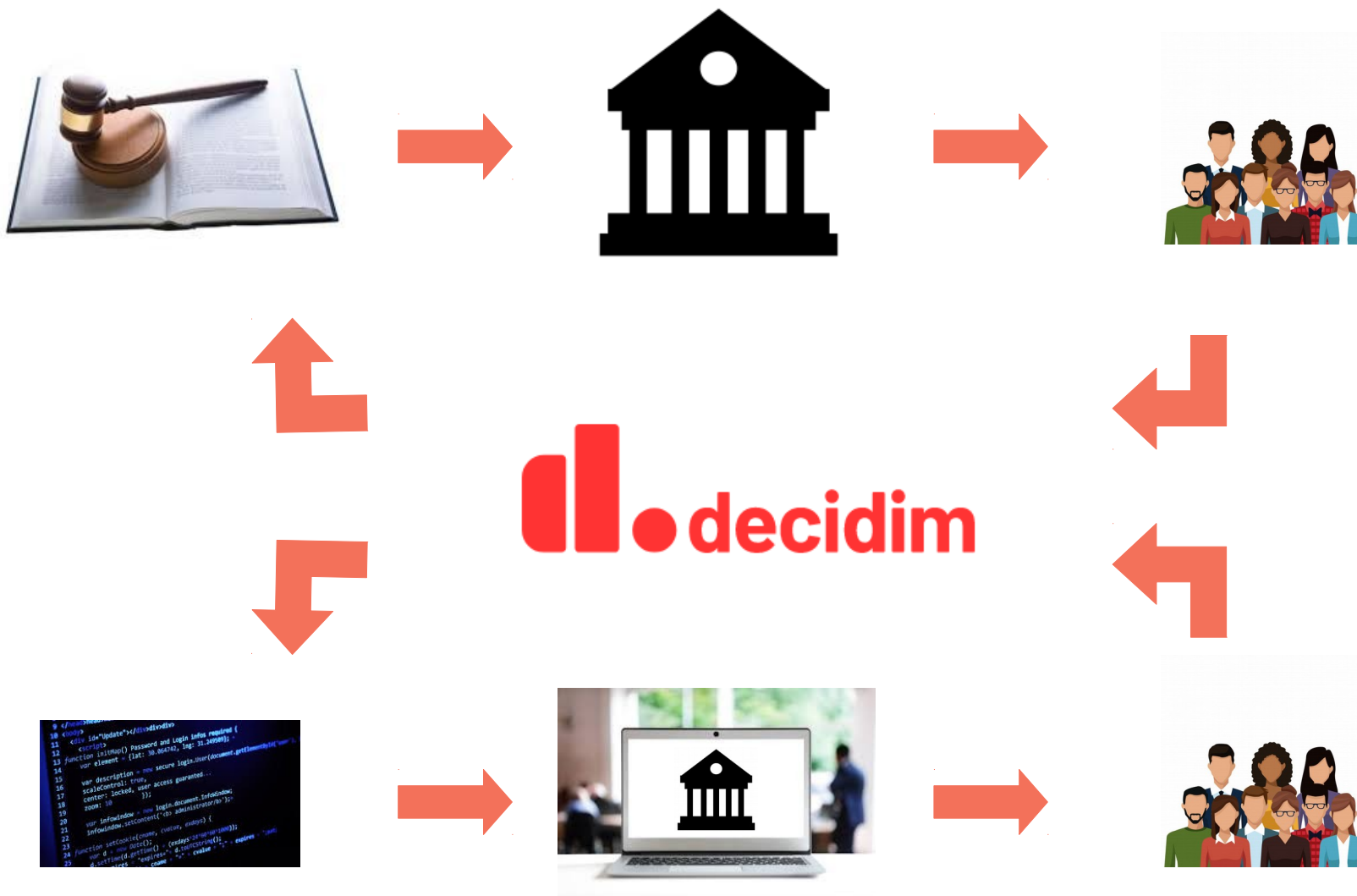
Gobernu irekia  
Demokratikoa  
Partehartzailea  
Burujabea



## Azpiegiturak

Teknologia irekiak,  
Askeak  
Partehartuak

# Iturrira 2.0



# Iturrira 2.0



# Biok edango degu... nahi degun guztia!

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CC-by-sa: <http://creativecommons.org/licenses/by-sa/3.0/es/legalcode.eu>

GFDL: <http://www.gnu.org/copyleft/fdl.html>

Edo zuzenean Kopimi: <http://www.kopimi.com/kopimi/>

Askea zara lan hau kopiatu, eraldatu eta elkarbanatzeko, lizentzia hau eta egilearen izena mantendu ezkerro





