Note on this presentation
March 2025

- These slides were presented after the Privacy Research Day 2024

- The presentation is organize in three parts:
  - Quickly present the CNIL, its organization and missions
  - Explain CNIL actions and competences (with a focus on enforcement)
  - Present the LINC and our research project

- Some of these slides have not been updated in 2025 yet and may be outdated (following CNIL new organization)

A quick presentation of CNIL and LINC
05 June 2024

CNIL organisation

- Administratively Independent Administration (board of 18 members)
  - 4 parliamentarians
  - 2 members of the Environnemental and Social Council
  - 6 representatives of the highest courts
  - 5 « qualified personalities »
  - The Chairman of the Office of Information Policy (FOIA)

- Chairwoman nominated by the President (re appointed in 2024)

- Members of the CNIL do not receive orders from the government

- Budget voted by the congress

- Enforce the GDPR, ePrivacy (Cookies) and French Data Protection Act

- Staff 280 people
  - 48% legal experts, 19% computer scientists

CNIL.

INFORM, PROTECT RIGHTS

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SUPPORT COMPLIANCE AND ADVISE

In order to help private and public organizations to comply with the RGPD, the CNIL offers a complete toolbox adapted to their size and needs.

The CNIL ensures that solutions are found to enable them to pursue their legitimate objectives in strict compliance with citizens' rights and freedoms.
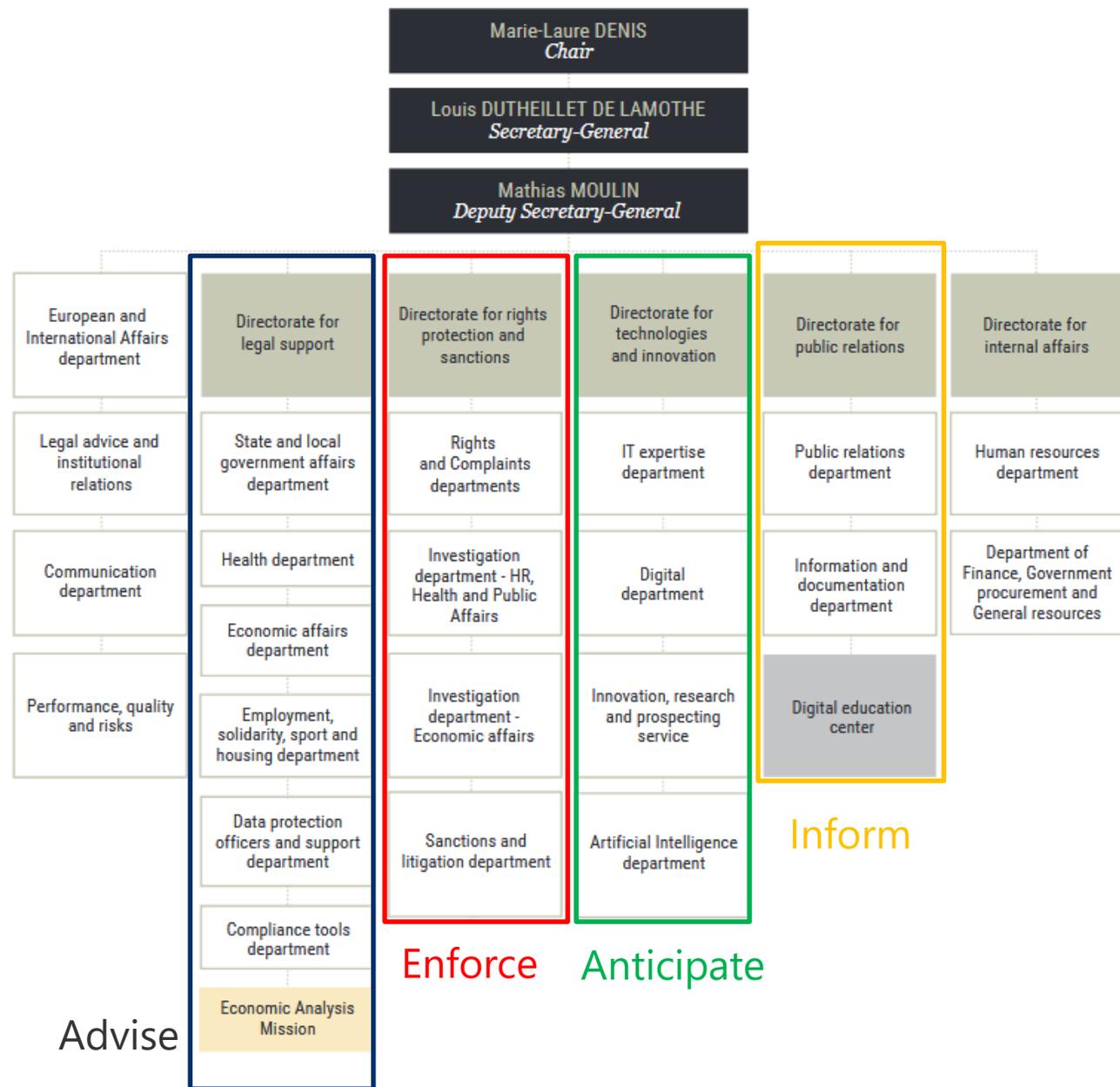
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CONTROL AND SANCTION

The control allows the CNIL to verify the concrete implementation of the law. It can require an organization to regularize its processing (order to comply) or impose sanctions (fine, etc).

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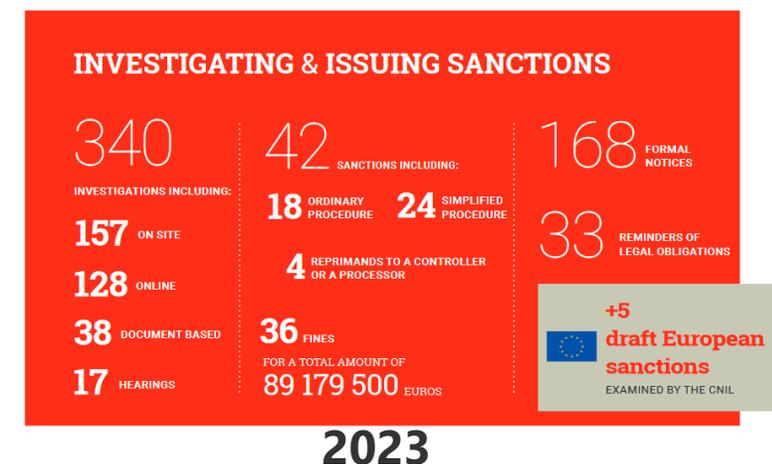
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CNIL.

2022: 21 sanctions, total of 101,277,900 euros
2023: 42 sanctions, total of 89,000,000 euros

- **In most cases, CNIL can only investigates (and if necessary sanctions) companies :**
  - **Whose main establishment is in France or**
  - **With no establishment in Europe (with a loophole)**
  - **Complaints concerning entities whose main established is in another countries are transferred to the lead authority (several significant tech companies are in Ireland and Luxembourg)**

- Most frequent grounds:
  - **Failure to inform individuals;**
  - **Failure to respect individuals' rights;**
  - **Failure to cooperate with the CNIL.**

- Every year, one third concern the **security of personal data**:
  - the security measures taken by the organizations are often insufficient;
  - the CNIL systematically checks the security of information systems when it carries out an inspection.

CONTRÔLER ET SANCTIONNER

345 CONTRÔLES ONT ÉTÉ EFFECTUÉS DONT

143 CONTRÔLES SUR PLACE

43 CONTRÔLES SUR PIÈCES

128 CONTRÔLES EN LIGNE

31 CONTRÔLES SUR AUDITION

147 MISES EN DEMEURE

29 RAPPELS AUX OBLIGATIONS LÉGALES PAR LA PRÉSIDENTE

+18 projets de sanctions européens examinés par la CNIL

21 SANCTIONS DONT :

19 AMENDES POUR UN MONTANT CUMULÉ DE 101 277 900 EUROS

DONT

7 ASSOCIÉES À DES INJONCTIONS SOUS ASTREINTE

2 LIQUIDATIONS D'ASTREINTE

2022

INVESTIGATING & ISSUING SANCTIONS

340 INVESTIGATIONS INCLUDING:

157 ON SITE

128 ONLINE

38 DOCUMENT BASED

17 HEARINGS

42 SANCTIONS INCLUDING:

18 ORDINARY PROCEDURE   24 SIMPLIFIED PROCEDURE

4 REPRIMANDS TO A CONTROLLER OR A PROCESSOR

36 FINES FOR A TOTAL AMOUNT OF 89 179 500 EUROS

168 FORMAL NOTICES

33 REMINDERS OF LEGAL OBLIGATIONS

+5 draft European sanctions EXAMINED BY THE CNIL

2023

1 INFRINGEMENT REPORTS

COMPLAINTS*
user reports
on cnil.fr

SELF-REFERRAL
topics identified
as a priority

PRESS
allegations made
in the press
or online

COOPERATION
reports by
other EU data
protection authority

2 INVESTIGATIONS

ON SITE
access to processing of personal data

⌄ DEPOSITION

ONLINE
if the infringement can be established remotely

⌄ DEPOSITION

HEARINGS
of the concerned persons

⌄ DEPOSITION

DOCUMENT-BASED
written questions and requests for documents

Since 2022
"Simplified sanctions"

THE CHAIR
RESTRICTED COMMITTEE

- Similar to previous decision
- Simple question

Sanction up to 20K but not public
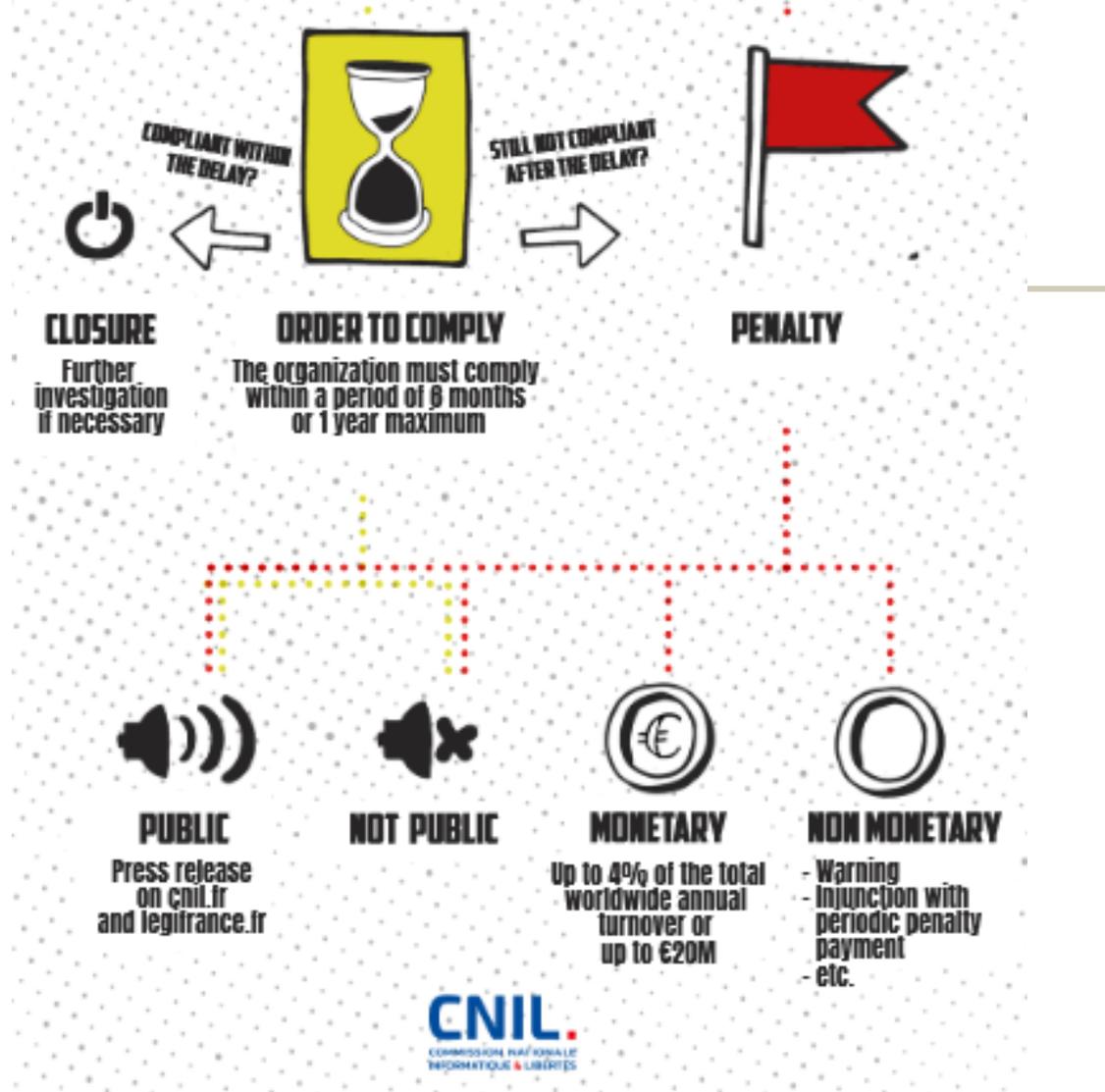
After two years :
- Sanctions are pseudonymized on Legifrance (the French laws and decisions directory)
- They are deleted from CNIL's website

CNIL receives a lot of complaints, but a bit less this year

2017	2018	2019	2020	2021	2022	2023
8 360	11 077	14 137	13 585	14 143	12 193	16 433
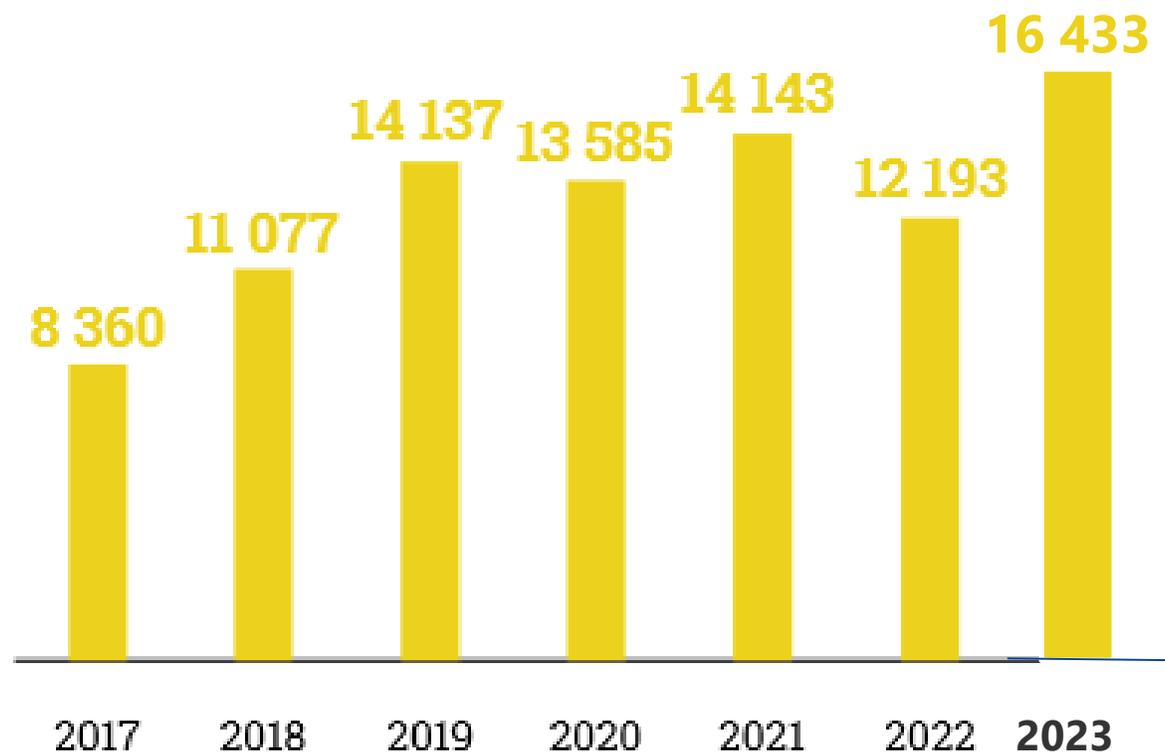
CNIL not only sanctions but also gives orders to comply

Orders to Comply by CNIL

Year	Value
2017	79
2018	48
2019	42
2020	49
2021	135
2022	147
2023	168
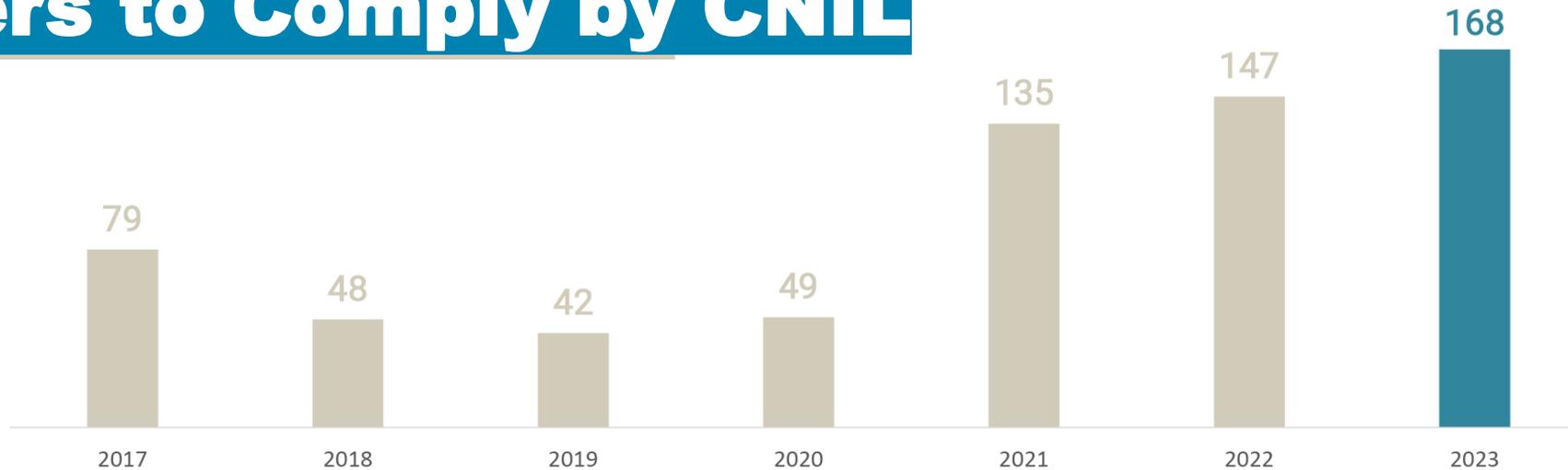
39 for HTTPS issues on public websites

39 on vehicle registration ID readers

2022: 21 sanctions, total of 101,277,900 euros

21

sanctions

EUR 101 millions

fines
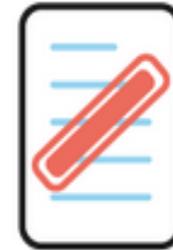
147

notices of formal notice

CNIL.

2023: 42 sanctions, total of 89 179 500 euros

Les sanctions de la CNIL en 2023

42 sanctions
pour un montant de
89 179 500 €

1 sanction sur 3
comporte un
manquement à la
**sécurité
des données**

5 décisions européennes
étudiées par la CNIL

6 décisions de la CNIL
en coopération avec ses homologues

- 24 simplified sanctions (**229 500 euros**) (15 sanctions during T1 2024)
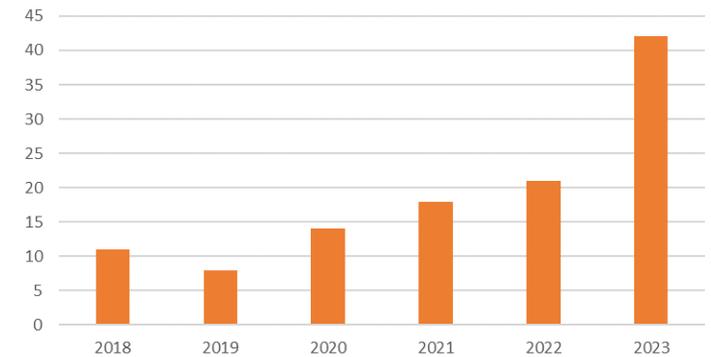
Complaint/Audit/Sanction

42 Sanctions
- **14 publics**
- **24 simple**

168 Orders to comply

340 Audits

16 000 Complaints
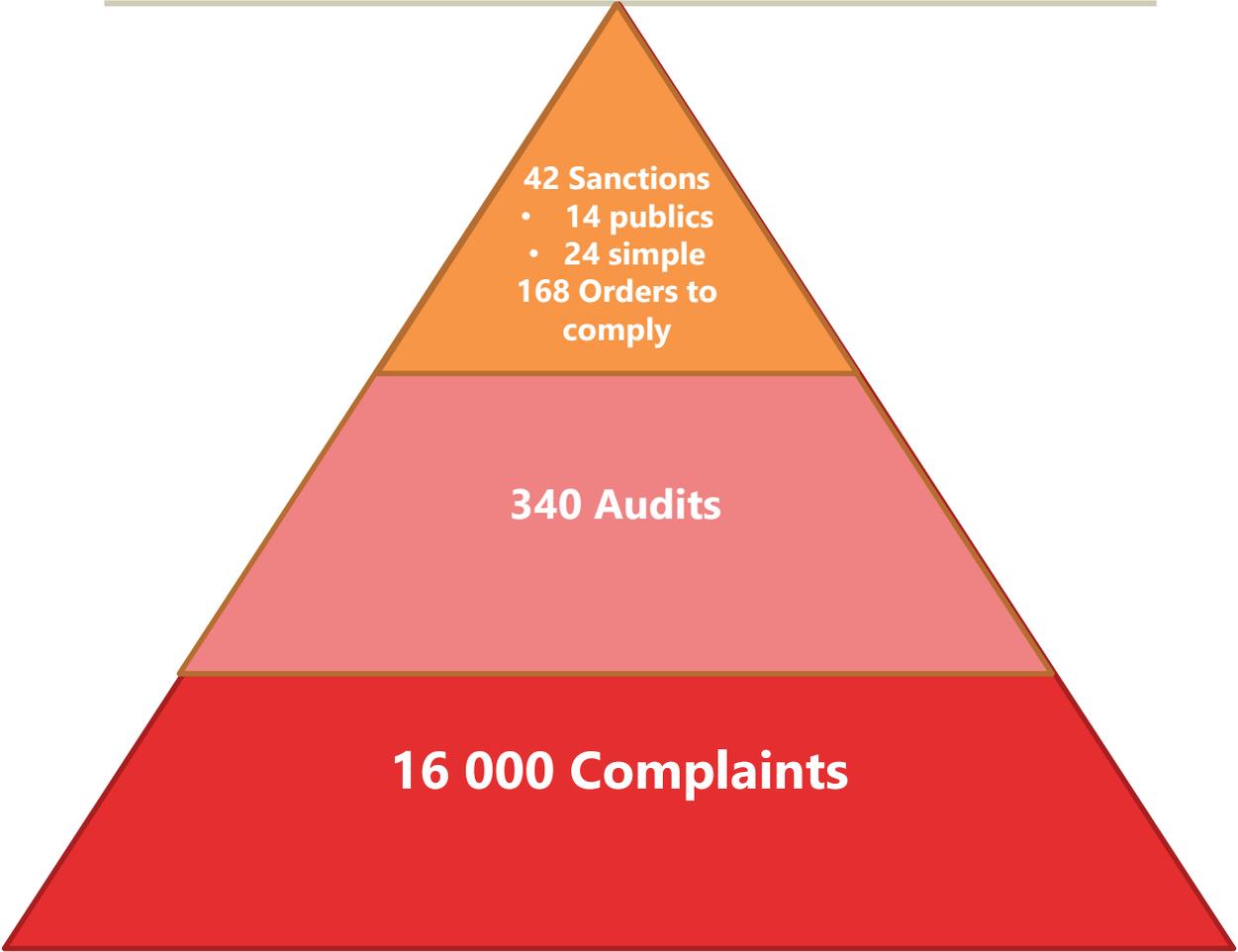
Summary of the evolutions

Complaints

Year	Value
2017	8 360
2018	11 077
2019	14 137
2020	13 585
2021	14 143
2022	12 193
2023	16 433
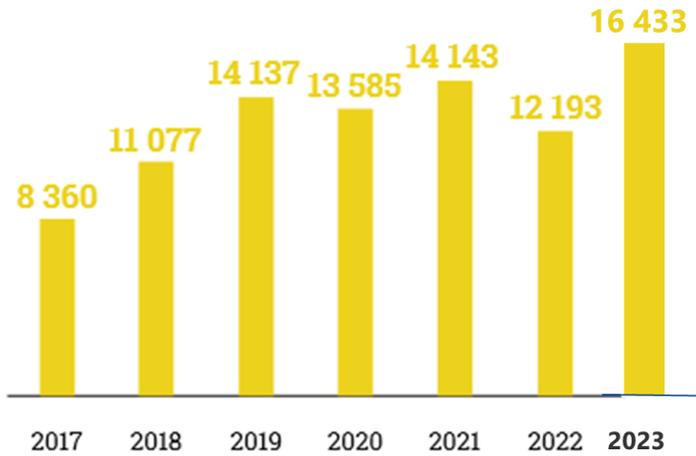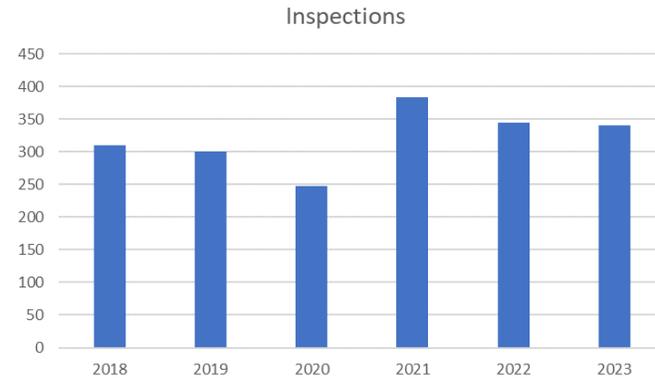
Inspections

Orders to Comply by CNIL

Year	Value
2017	79
2018	48
2019	42
2020	49
2021	135
2022	147
2023	168
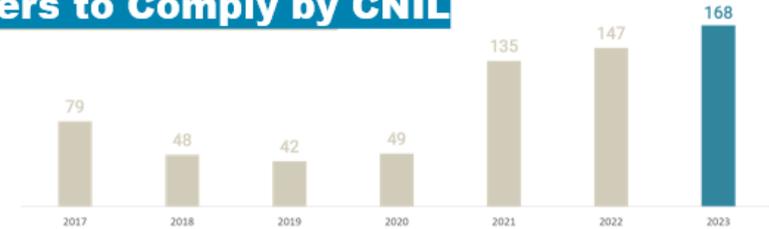
Orders to comply and sanctions

Sanctions

Example: Cookies & other trackers

December 2021 :

❯ 150 million and 60 million fines on Cookies

Main issue: several clicks are required to refuse all cookies, against a single one to accept them.

❯ **ePrivacy only applies to companies with one establishment in France (not necessary the main establishment)**

GDPR
(applies to personal data)

ePrivacy Directive
(information stored on/retrieved from devices)

Art. 4, 7 define **conditions for consent** to be legally valid

Art. 5(3): **consent** asked before processing data

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INFORM, PROTECT RIGHTS

47 111

received calls

11,8 millions

visits on the website

16 433

complaints received

20 810

indirect access right

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Support compliance and advise

SUPPORTING COMPLIANCE & ADVISING

96,097
ORGANISATIONS APPOINTED A DATA
PROTECTION OFFICER (DPO)

151
DELIBERATIONS INCLUDING 102
OPINIONS ON DRAFT TEXTS

31
PARLIAMENTARY
HEARINGS

34,250
DPO APPOINTED

4,668
DATA BREACH NOTIFICATIONS

520
CASES PROCESSED
IN HEALTH AND RESEARCH

CNIL.

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LINC
Laboratoire d'Innovation
Numérique de la CNIL

Explore

LINC explores the future of the digital society, to better anticipate the impact of the use of technological innovations on privacy and freedoms.

Exchange

LINC creates a link between the actors of the digital society (companies, institutions, associations, civil society...), to better inform them about the new stakes linking ethics, freedom, and privacy.

Equip

The LINC adapts tools for departments and the public to inform about data use and the exercise of rights.

Experiment

LINC explores the future of the digital society, to better anticipate the impact of the use of technological innovations on privacy and freedom.

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LINC: 8 members

Social Sciences

Computer Science

Design

LINC
CNIL.

Explore

LINC explores the future of the digital society, to better anticipate the impact of the use of technological innovations on privacy and freedoms.

How ?

Through regular publications, online and offline (Cahiers Innovation & Prospective)

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Exploration on AR/VR

Enquêter et travailler dans les Métavers

01 avril 2023

Si vous arrivez sur cette page, c'est très probablement parce que vous êtes intéressé(e) par notre **annonce pour le poste d'Enquêteur(trice) des Métavers.** Cette offre pourrait être disponible... dans le futur ! D'ici là, **vous pouvez candidater ici pour rejoindre le service des contrôles de la CNIL.**

Mondes virtuels : vers des passeurs de frontières numériques ?

23 mai 2023

Si vous arrivez sur cette page, c'est très probablement parce que vous avez trouvé un flyer proposant des activités de "passeur numérique" pour traverser les frontières fermées des mondes virtuels. Cette activités pourrait exister... dans le futur ! Nous l'avons imaginée dans le cadre de réflexion prospective sur les futurs des métavers et mondes virtuels.

Réalité virtuelle et augmentée : vers des ARblocks ?

12 juin 2023

Si vous arrivez sur cette page, c'est très probablement parce que vous avez souhaité acquérir un **ARblock, "le meilleur proxy personnel et adblocker en Réalité Augmentée".** Cette solution existera peut-être... dans le futur ! Nous l'avons imaginée dans le cadre de réflexion prospective sur les futurs des métavers et mondes virtuels.
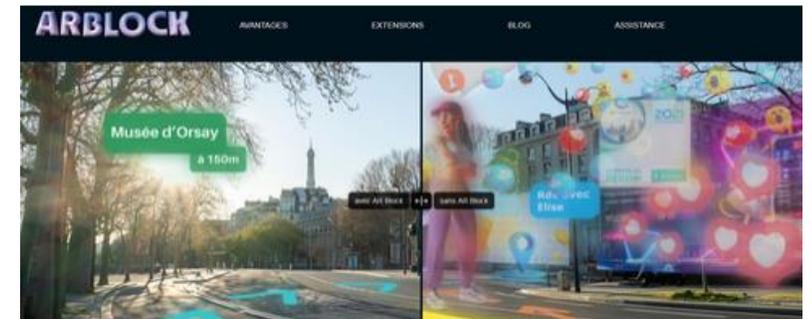
Contexte

Ces travaux font suite à une réflexion prospective menée fin 2022 par le LINC, accompagné par l'agence Fabernovel, sur les futurs des métavers. Il s'agissait d'explorer les enjeux posés par le développement de la réalité virtuelle et de la réalité augmentée, au travers des technologies, des usages, des nouveaux

https://LINC.cnil.fr

Cahier Innovation & Perspective

Upcoming changes :
- **Bio of the members of the Lab**
- **Section about the Research@Linc/videos**
- **English version (sort of), priority to AI content**

https://LINC.cnil.fr/en

30

Shaping Choices in the Digital World

From dark patterns to data protection:
the influence of ux/ui design on user empowerment

IP REPORTS
INNOVATION AND FORESIGHT
N°06

LINC
CNIL.
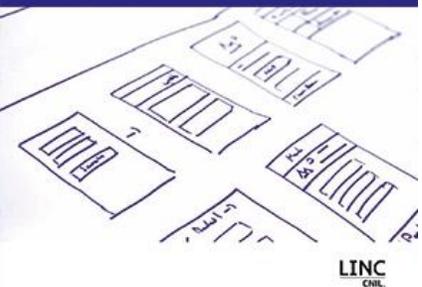
Co-building user journeys compliant with the GDPR and respectful of privacy.

Design in the GDPR

A design approach to the regulation by looking at the GDPR key concepts that can be engaged by designers.

DISCOVER THE KEY CONCEPTS

Practical examples

Be inspired by case studies, co-constructed with the community, to implement GDPR key concepts in your digital services and products.

SEE THE CASE STUDIES

Stay informed

All the news on the activities of Data&Design to always be aware of the latest publications and know our next events to meet us.

JOIN

https://design.cnil.fr/en

Exchange

LINC creates a link between the actors of the digital society (companies, institutions, associations, civil society...), to better inform them about the new stakes linking ethics, freedom, and privacy.

How ?

Through educational interventions, during private or public events, and the organization of meetings.

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Research @LINC 2023-2024

<u>6 octobre</u> : "*Clickwrap and the privacy paradox*"

<u>3 novembre</u> : "*The top-down & bottom-up race for privacy enforcement in Europe*«

<u>15 décembre</u> : "*La fabrique sociale de l'intelligence artificielle. Concevoir et mettre en œuvre une « justice prédictive »*«

<u>12 janvier</u> : "*Patients' knowledge, preferences, and perspectives about data protection and data control in health research*"

<u>17 janvier</u> : Demi-journée de recherche **numérique adolescent** (sociologie, psychologie, info-comm)

<u>26 janvier</u> : "*La minimisation de données dans les formulaires papier*"

<u>09 février</u> **-** *Les conditions d'utilisation des réseaux sociaux sous l'angle des droits de l'homme*

<u>08 mars</u> *- IA*

<u>15 mars</u> -   *Environnement et data center*

<u>22 mars</u> *- IA*

<u>19 avril-</u> *Differentiel privacy en pratique*

<u>17 mai</u> *- RGPD dans les applications mobiles*

<u>31 mai -</u> *Nanotargeting on LinkedIn*
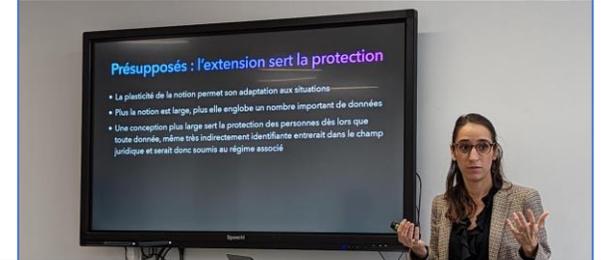
See the recordings : https://video.cnil.fr/c/cnil_linc

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LINC collaborates with researchers

No need to ask the Android: Bluetooth-Low-Ene[rgy] without the location permission

Vincent Toubiana *
CNIL
France
vtoubiana@cnil.fr

Mathieu Cu[nche]
INSA-Lyon, Inria, Universi[ty]
France
mathieu.cunche@[...]

ABSTRACT

Bluetooth-Low-Energy (BLE) scanning can be mi[...] cations to determine a device location. In order to [...] sented location tracking by applications, Android [...] use of some BLE functions to the prior obtention [...] permission and the activation of the location setting [...] we detail a vulnerability that allows applications t[...] scans without the location permission. We prese[nt...] allowing to bypass the active location requirement. [...] flaws allow an application to fully circumvent the [...] tions applying to BLE scanning. The presented vuln[...] devices running Android 6 up to 11 and could be m[...] cation developers to track the location of users. Th[...] has been disclosed to Google and assigned the CV[...]

What if data protection regulators embraced foresight and speculative design?

Arianna Rossi[a*], Régis Chatellier[b], Stefano Leucci[c], Rossana Ducato[d], Estelle Hary[b]

[a]University of Luxembourg, Luxembourg
[b]Innovation and Foresight Lab, CNIL, France
[c]Technology and Privacy Unit, European Data Protection Supervisor, Belgium
[d]School of Law, University of Aberdeen; Faculté de droit et de criminologie, UCLouvain.

*Corresponding e-mail: arianna.rossi@uni.lu

[...]id technological advancements and the growing "datafication" of [...]duals' privacy constitutes an increasingly explored speculative [...]s, researchers, practitioners, designers and artists. This article [...]nces at a national and an international data protection authority [...]n Nationale de l'Informatique et des Libertés - CNIL - and the [...]ction Supervisor - EDPS - respectively), where foresight methods [...]gn are employed in policy-making with the goal of anticipating [...]. their implications for society and their impact on regulations, as [...]f existing and upcoming laws on emerging technologies. Such [...]ce strategic proactive abilities, raise public awareness of privacy [...] a participatory approach to the design of policies. They can also [...]education and practice of legal design.

The Effect of Design Patterns on (Present and Future) Cookie Consent Decisions

Nataliia Bielova*
Inria research centre at Université Côte d'Azur

Laura Litvine
Behavioural Insights Team (BIT)

Anysia Nguyen
Behavioural Insights Team (BIT)

Mariam Chammat
Interministerial Directorate for Public Transformation (DITP)

Vincent Toubiana[†]
Commission Nationale de l'Informatique et des Libertés (CNIL)

Estelle Hary[‡]
RMIT University

Abstract

Today most websites in the EU present users with a consent banner asking about the use of cookies or other tracking technologies. Data Protection Authorities (DPAs) need to ensure that users can express their true preferences when faced with these banners, while simultaneously satisfying the EU GDPR requirements. To address the needs of the French DPA, we conducted an online experiment among 3,947 participants in France exploring the impact of six different consent banner designs on the outcome of users' consent decision. We also assessed participants' knowledge and privacy preferences, as well as satisfaction with the banners. In contrast with previous results, we found that a "bright pattern" that highlights the decline option has a substantial effect on users' decisions. We also find that two new designs based on behavioral levers have the strongest effect on the outcome of the consent decision, and participants' satisfaction with the banners. Finally, our [...]

Although consent banners are a mean massively adopted by the industry to collect such legally-required consent, in practice, their usage raises numerous issues from both a regulatory and a behavioral stand-point.

From a regulatory perspective, EU Data Protection Authorities that are in charge of enforcing the GDPR and – for some of them – ePrivacy, help websites to comply by providing high-level guidelines and practical recommendations. The French Data Protection Authority (CNIL) has recently updated its guidelines [13] and recommendations [14] regarding the use of cookies and other tracking technologies, and consent banner interfaces. While providing more concrete recommendations, regulators still need to ensure that *users can reflect their true preferences in the banner interface*, thus making "freely given, specific, informed and unambiguous indication of the data subject's wishes", requested by the GDPR [66, Art.4]. However, no definite proof exists today [...]

Exchange

Privacy Research Day
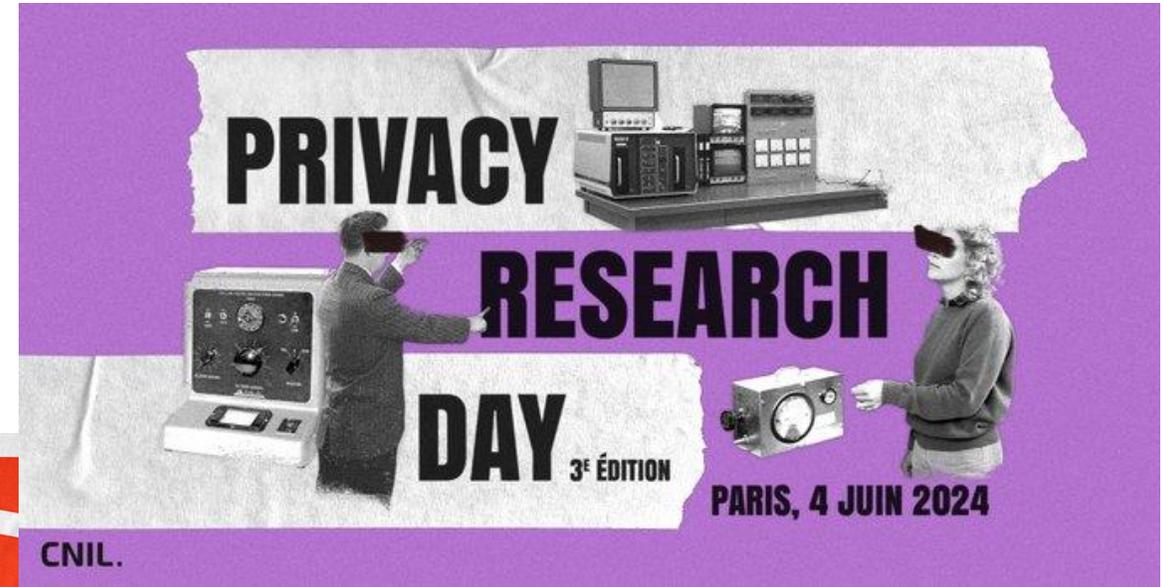
CNIL-Inria Privacy Award

Pinging companies when they are not reacting to research

- **Researchers have responsible disclosure approaches, but Data Controller do not always react appropriately**

- **In (at least) one instance, we reached to a company to ask them to react to a research paper**
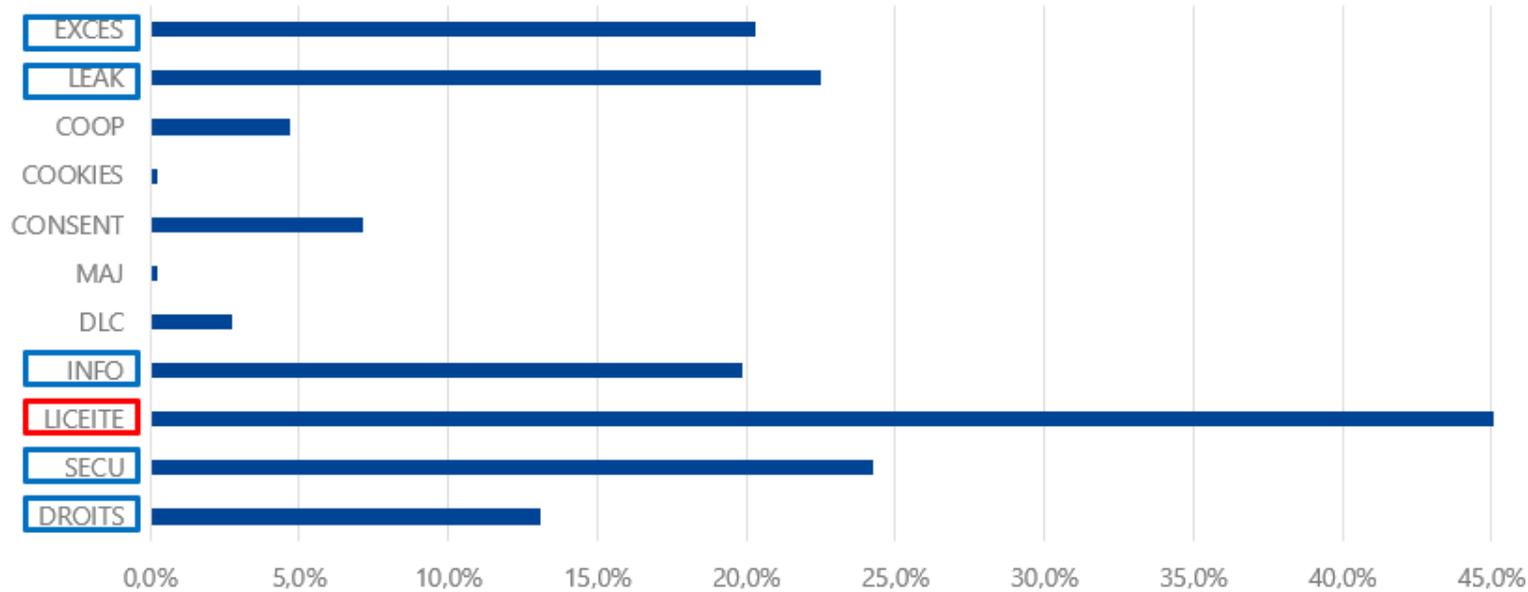
- **We could/should do more**

LINC
CNIL.

Equip

The LINC adapts tools for departments and the public to inform about data use and the exercise of rights.

How ?

"In-house" development and monitoring of existing projects

LINC
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Benchmark of fines


```
Call:
lm(formula = I$MONTANT ~ I$LICEITE + I$DROITS + I$SECU + I$INFO +
    I$CONSENT + I$LEAK + I$EXCES + I$ï..ORG + I$TAILLE + I$PUB,
    data = I)

Residuals:
    Min      1Q  Median      3Q     Max
-9264.8  -481.5  -163.9   277.7  7772.3

Coefficients:
                          Estimate Std. Error t value Pr(>|t|)
(Intercept)               -6185.62    2243.05  -2.758  0.00737 **
I$LICEITEInvoque           5776.96     840.74   6.871 1.91e-09 ***
I$DROITSInvoque            6190.62     912.40   6.785 2.75e-09 ***
I$SECUInvoque              5023.03    1051.95   4.775 9.19e-06 ***
I$INFOInvoque             -2110.63     976.32  -2.162  0.03396 *
I$CONSENTInvoque          15036.94    1314.64  11.438  < 2e-16 ***
I$LEAKInvoque              -727.60    1033.52  -0.704  0.48370
I$EXCESInvoque             2258.42     901.56   2.505  0.01451 *
I$ï..ORGPublic              175.61    2514.77   0.070  0.94452
I$ï..ORGAsso                472.32    2696.96   0.175  0.86147
I$ï..ORGIndividu            428.66    3015.76   0.142  0.88737
I$ï..ORGService            1294.28    2515.21   0.515  0.60842
I$ï..ORGCommerce           -321.16    2497.53  -0.129  0.89804
I$ï..ORGIT                  -48.82    2854.29  -0.017  0.98640
I$ï..ORGPresse            -1316.47    2756.27  -0.478  0.63436
I$ï..ORGSanté               293.42    2507.58   0.117  0.90717
I$TAILLETPE                -445.39     955.19  -0.466  0.64242
I$TAILLEPME                -331.34    1106.15  -0.300  0.76539
I$TAILLEETI                1681.83    1050.81   1.601  0.11387
I$TAILLEGrosse entreprise  2284.16    1080.08   2.115  0.03791 *
I$PUBOui                    312.92    1215.25   0.257  0.79753
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 2049 on 72 degrees of freedom
Multiple R-squared:  0.7668,    Adjusted R-squared:  0.702
F-statistic: 11.84 on 20 and 72 DF,  p-value: 1.521e-15
```

Italie

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Automating the analysis of fines

❑ There is no exhaustive databased about GDRP (and ePrivacy) fines in Europe

❑ Several initiatives: GDPRHub (Noyb), Enforcement tracker, GDPRXive

❑ GDPRXive is an open source research project crawling DPAs website to collect data

- Analysis of the sanction must be done manually

- We're working on automatizing this (with LLMs)

GDPRxiv (a portmanteau of GDPR + arXiv, pronounced as G-D-P-archive) is an open-source information archival system that collects and curates GDPR enforcements, judgements, opinions, reports, and guidances from all official GDPR sources. We welcome you to learn more about our research, browse our source code, download the entire corpora, or simply explore the enforcement viewer below. The current view reflects all the enforcements between 25-May-2018 and 26-Jun-2023.

Enforcement Database

Country	Decision Date ↑	Fine (in €) ↑	Decision	Company	Quoted Article	Source
sweden	06/26/2023	1,098,571	administrative penalty fee	Bonnier	13, 6	Link
spain	06/23/2023	300	infringement	unnamed	5	Link
spain	06/23/2023	0	file the procedure	unnamed	6	Link

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Automatic transcription and translation

❑ Utilizing WhisperLive for real time transcription

❑ Ctranslate for translation from English to French

❑ Almost used it for PRD

Pourquoi pas eu de recherche sur la protection de la vie privée sur iOS depuis une bonne dizaine d'années ?

● Beaucoup de **code propriétaire sur iOS** – contrairement à Android

Par exemple, vous pouvez vous demander, Pourquoi y a-t-il tellement moins de recherches sur la vie privée sur iOS que sur Android ? Et je faisais une sorte d'allusion à ça.

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Map of heath data store

https://carto-eds.beta.cnil.fr/

CookieViz

The cookies observatory

- **October 2020 :** Publication of new guidelines on cookies

- **March 2021 :** End of the grace period

- **From January 2021 to September 2022 :** We monitored the top 1000 websites to see how many cookies were set and observe the effect of enforcement

- **In 2021,** 90 websites received an order to comply:
  - About 80% complied almost immediately

- **Browser comparison** : https://linc.cnil.fr/comparaison-navig/

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Design Patterns

21 design patterns propose various ways to implement the principle of transparency within the interfaces and user journeys of digital services.
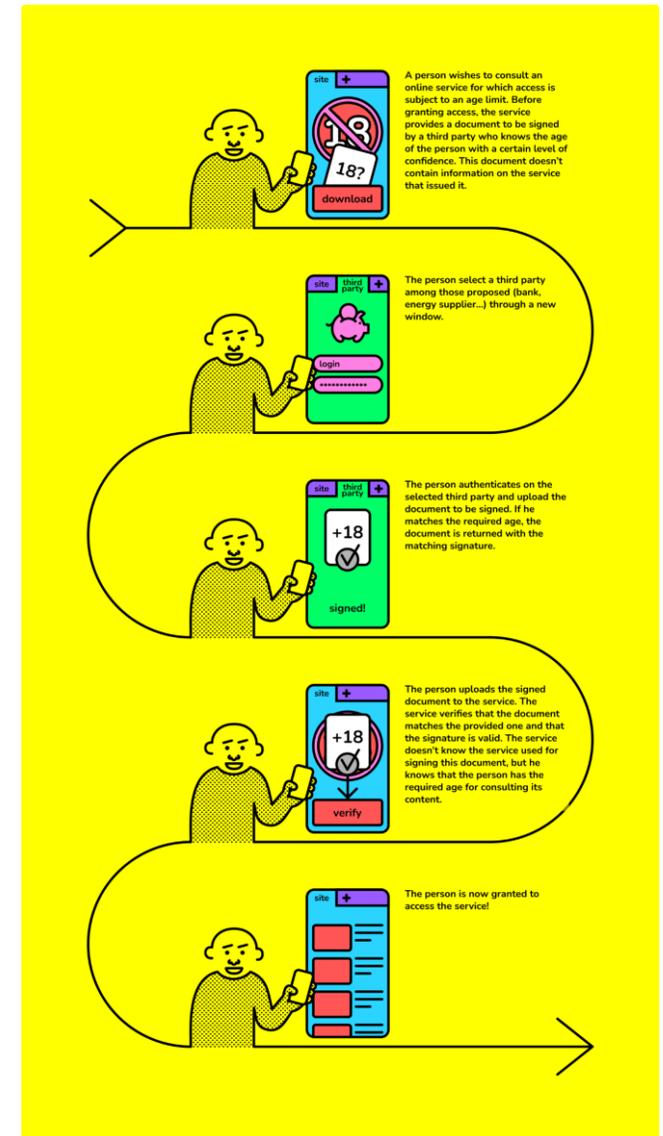
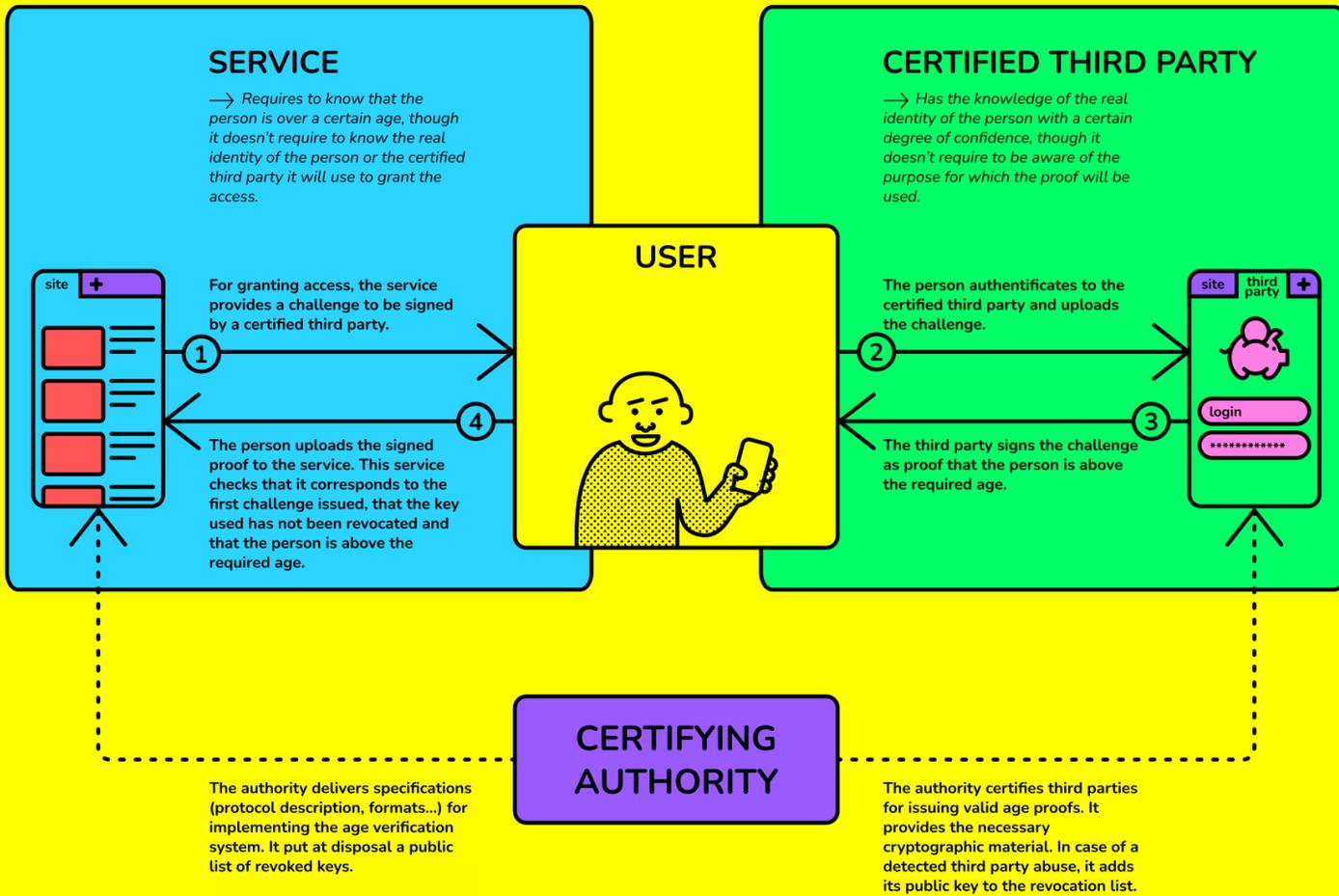https://design.cnil.fr/en/design-patterns/

Experiment

LINC explores the future of the digital society, to better anticipate the impact of the use of technological innovations on privacy and freedom.

How ?

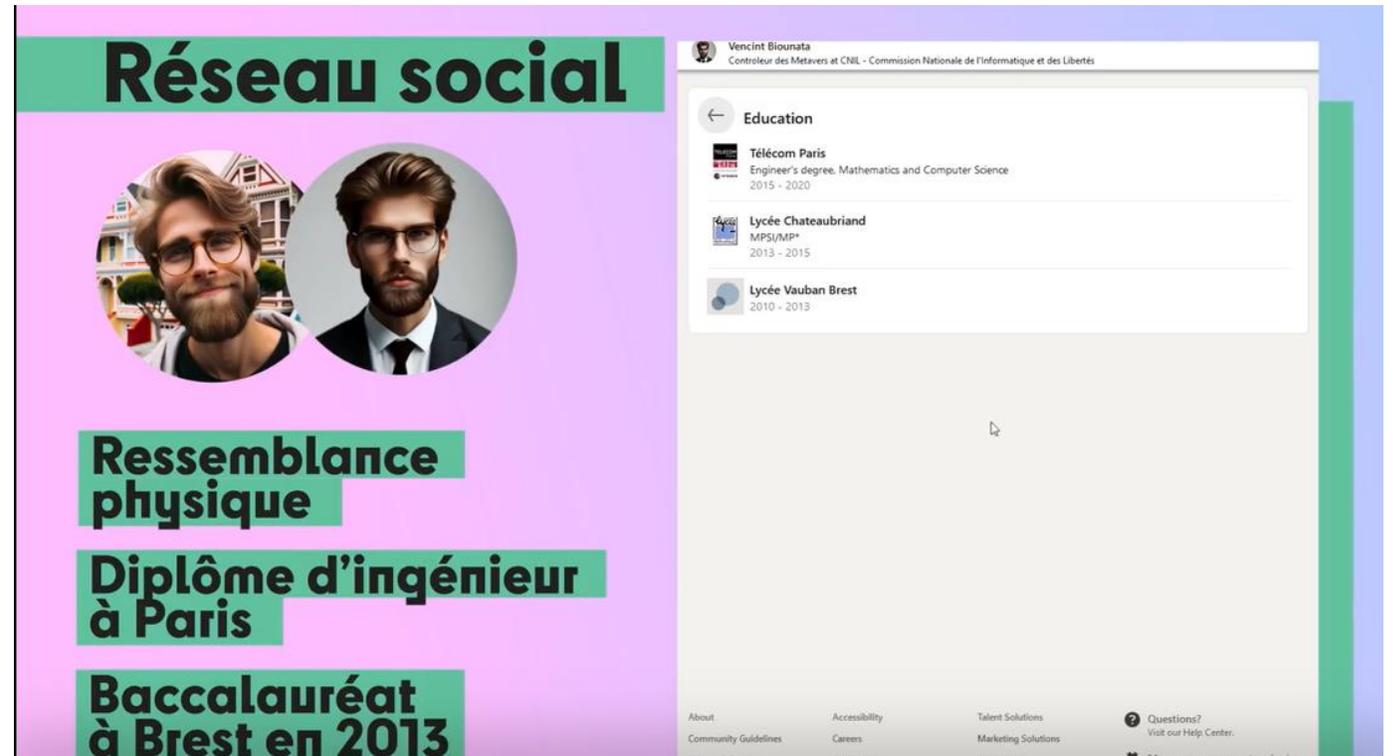Through the prototyping of tools, services and concepts around data.

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Age verification prototype

❑ **Based on a real OSINT challenge**

❑ **Anonymized using generated pictures**

❑ **Quite effective**

https://linc.cnil.fr/le-renseignement-en-sources-ouvertes-faire-le-lien-entre-vos-activites-sur-le-web

OSINT Example

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"Personal data protection: a sport for the rich?
Survey of complaints received by CNIL

Approach and issues

Why do individuals stand up (or not) for their rights to protect their personal data?

What is the socio-demographic profile of people who contact CNIL?

What difficulties can they encounter in exercising their rights?

Analysis of complaints

Qualitative analysis of complaints recevied by mail in may 2016 and may 2019 (about 2 000 complaints overall)

Statistical survey

Optional questionnaire at the end of the online complaint form from 15 February to 18 April 2021

284 respondents (around 20% of complaints received over the same period)

Qualitative interviews

105 telephone interviews, lasting between 15 and 60 minutes, conducted in March and April 2021

Methodology

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Problematic situations

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Number of complaints received
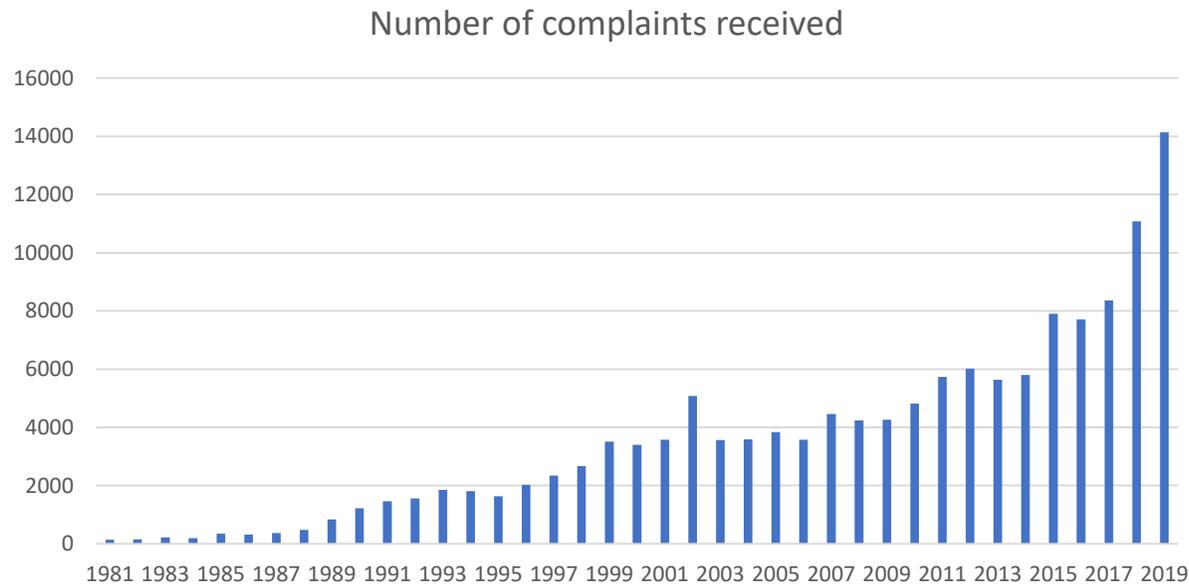
Complaints almost exclusively from individuals, rarely brought by an organisation (trade unions, associations, lawyers, etc.).

Complaints as part of people's daily lives: work has historically been a source of complaints

Problem situations and individual complaints

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Experiment : the impact of cookie banner design on consent rate

Sources : https://sciencespo.hal.science/INSA-GROUPE/hal-04235032v1 &
https://linc.cnil.fr/etude-protection-des-donnees-et-cookies-leclairage-des-sciences-comportementales

Your cookie preferences

Our site and our partners use **cookies** that are placed on your device.

Some of these cookies are said to be **essential** and are strictly necessary for the proper technical functioning of the site. They include tracers that **enable audience measurement**.

If you consent, **non-essential** cookies may also be placed (you may withdraw your consent at any time). They are used to:

- accurately measure your **interactions** with the site in order to improve our services;
- display **multimedia content** from other sites;
- display **personalised advertising** based on your profil and browsing history;
- share **content on the social networks** included on our site (e.g. Facebook).

Accept all

Decline all

Customise my choices

Your cookie preferences

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Some of these cookies are said to be **essential** and are strictly necessary for the proper technical functioning of the site. They include tracers that **enable audience measurement**.

If you consent, **non-essential** cookies may also be placed (you may withdraw your consent at any time). They allow:

- to accurately measure your **interactions** with the site in order to improve our services;
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- display **personalised advertising** based on your profil and browsing history;
- share **content on the social networks** included on our site (e.g. Facebook).

Decline all

Accept all

Customise my choices

Your cookie preferences

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- display **multimedia content** from other sites;
- display **personalised advertising** based on your profil and browsing history;
- share **content on the social networks** included on our site (e.g. Facebook).

Accept to be traced

Continue without being traced

Customise my choices

Your cookie preferences

Our site and our partners use **cookies** that are placed on your device.

Some of these cookies are said to be **essential** and are strictly necessary for the proper technical functioning of the site. They include tracers that **enable audience measurement**.

If you consent, **non-essential** cookies may also be placed (you may withdraw your consent at any time). They are used to:

- accurately measure your **interactions** with the site in order to improve our services;
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- display **personalised advertising** based on your profil and browsing history;
- share **content on the social networks** included on our site (e.g. Facebook).

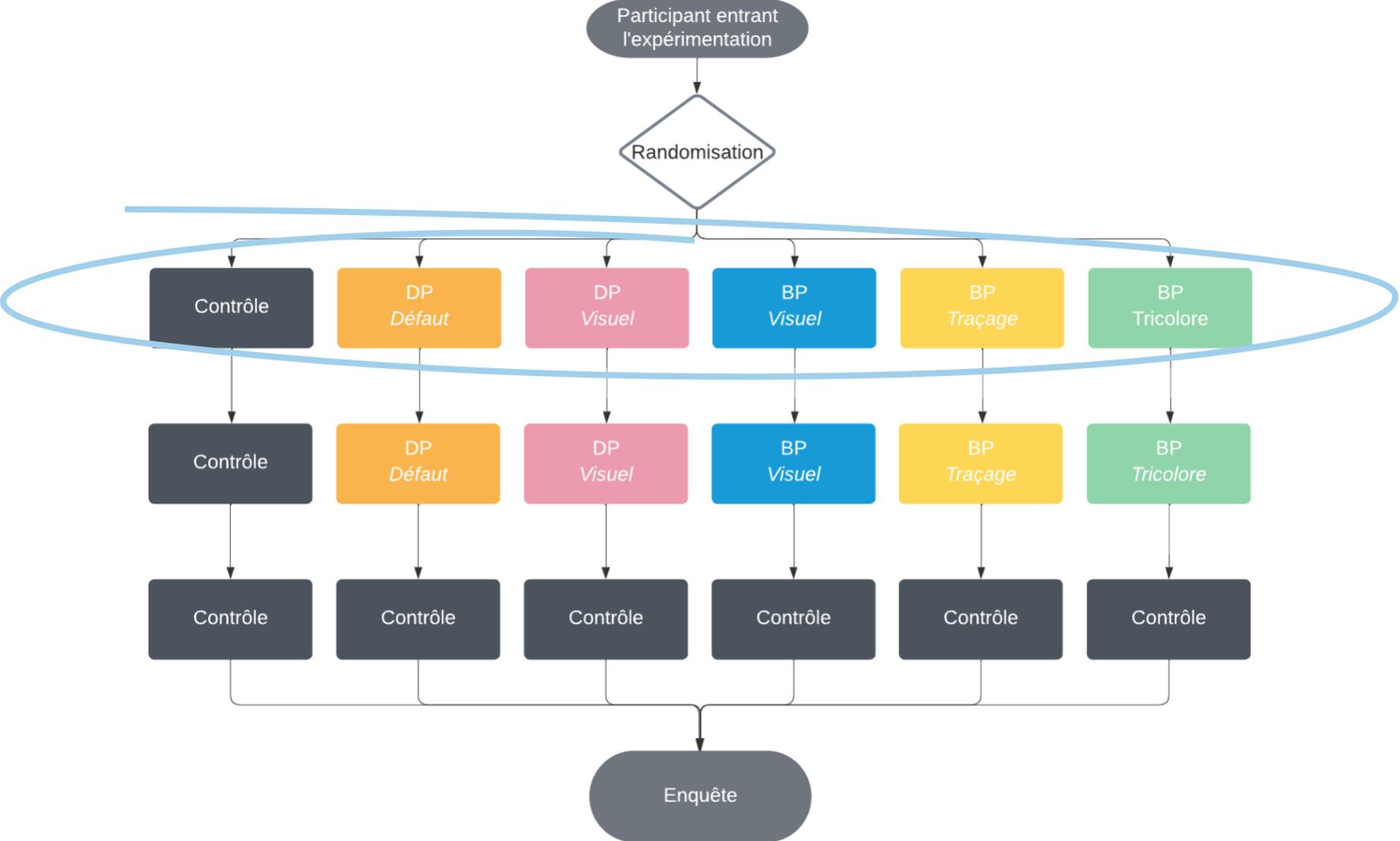🛡 **Decline all**   **Customise my choices**   ⚠ **Accept all**

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Experimental design
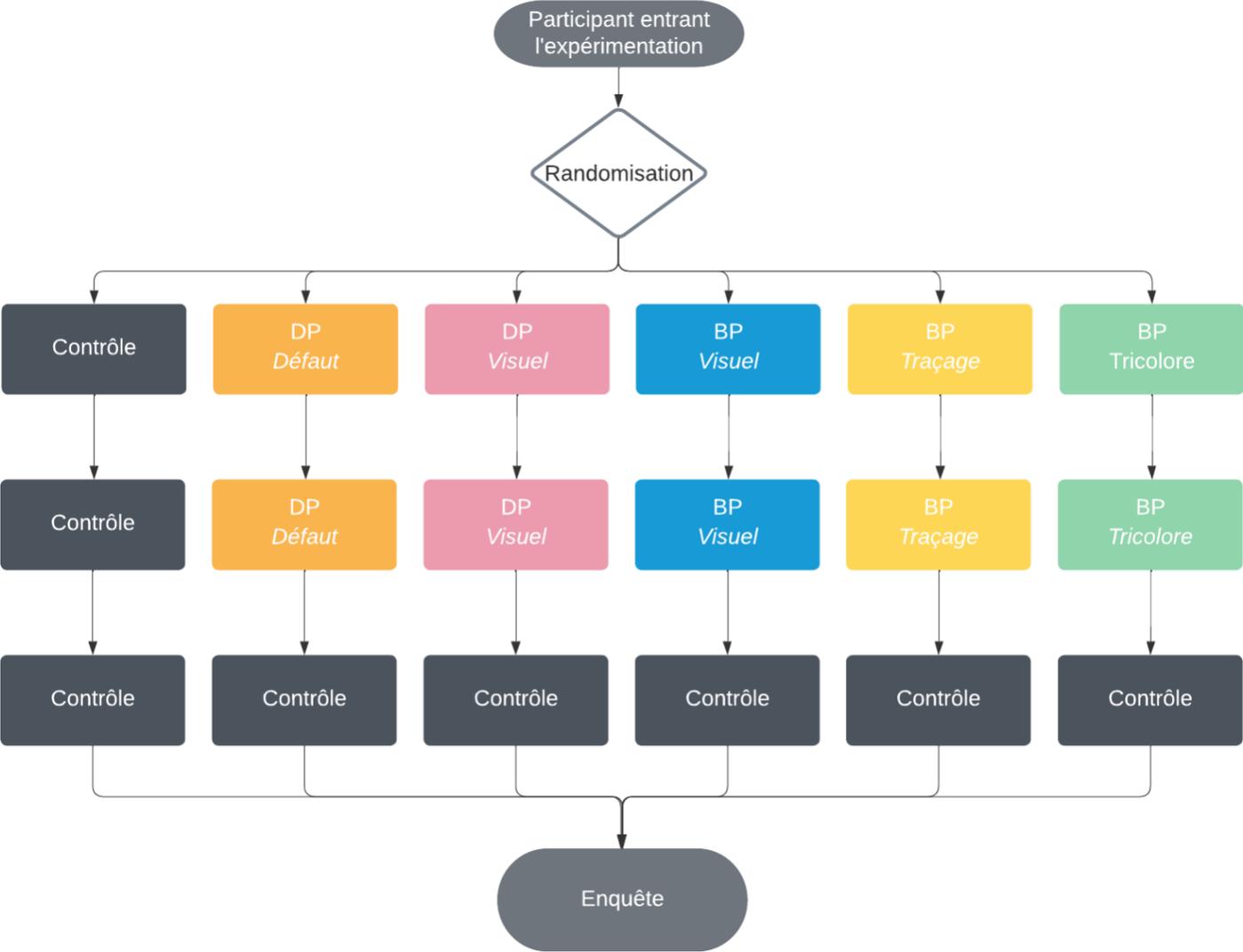
Impact of the design of cookie banners
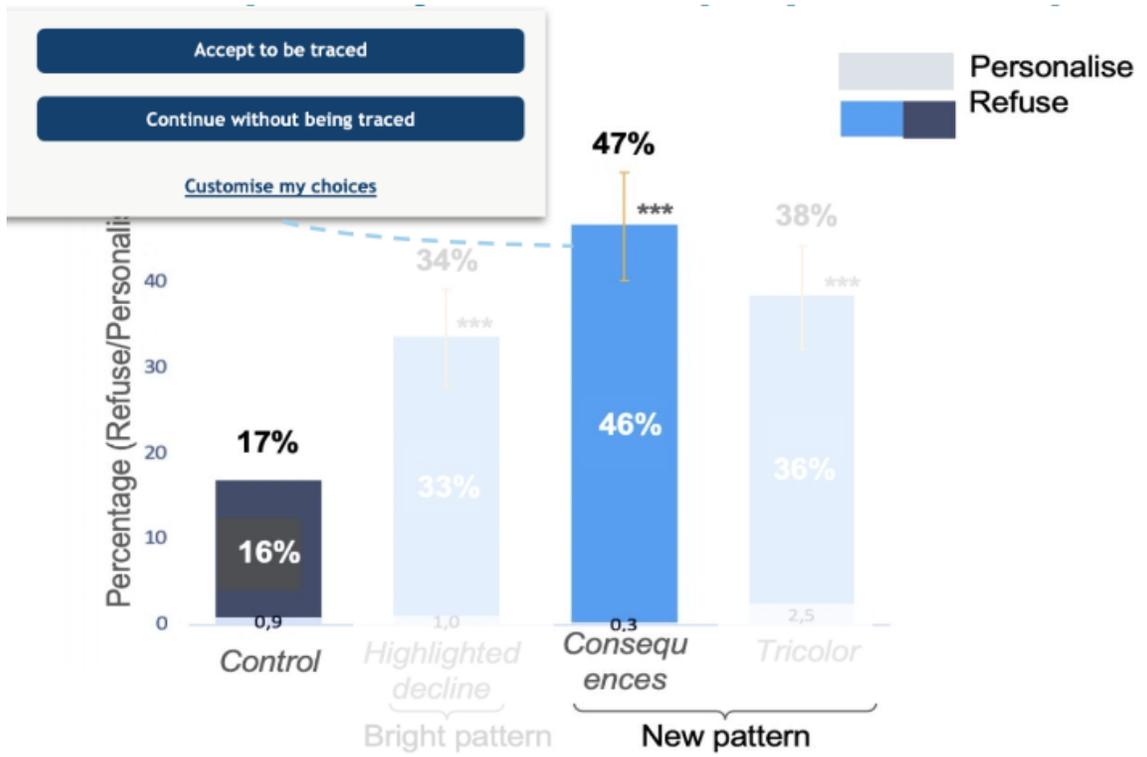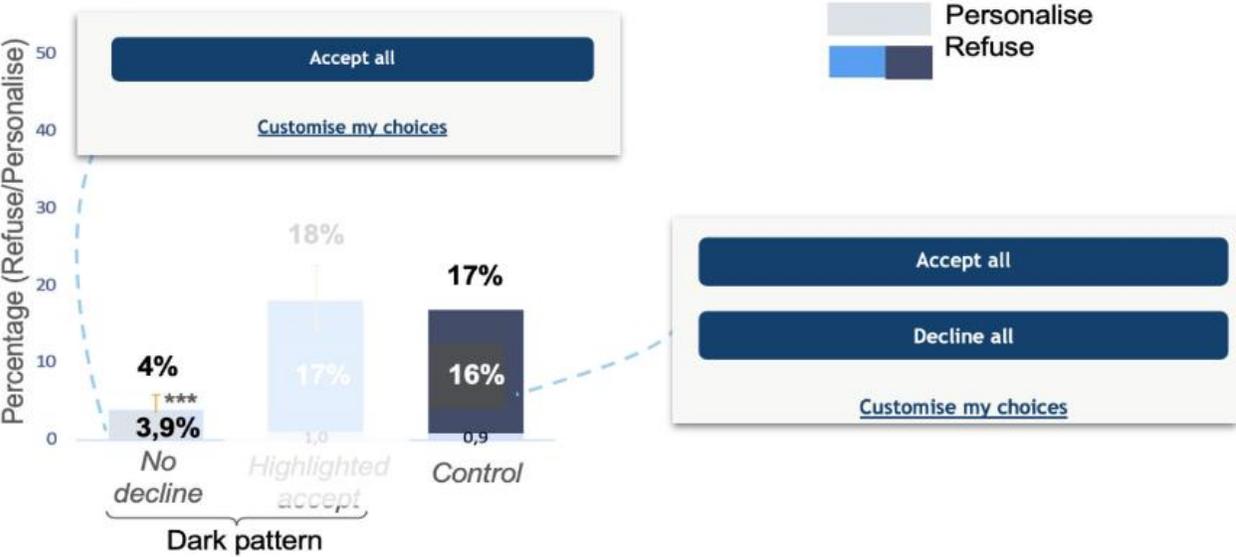
User habituation and how dark and bright patterns influence future choices

Seeing two banners containing bright patterns increases the likelihood of clicking on "refuse" on the next banner, even when the banner is neutral.

Main observation

The adoption of bright pattern, even by a small number of (hopefully influential) sites, **could therefore be enough to generate new habits.**
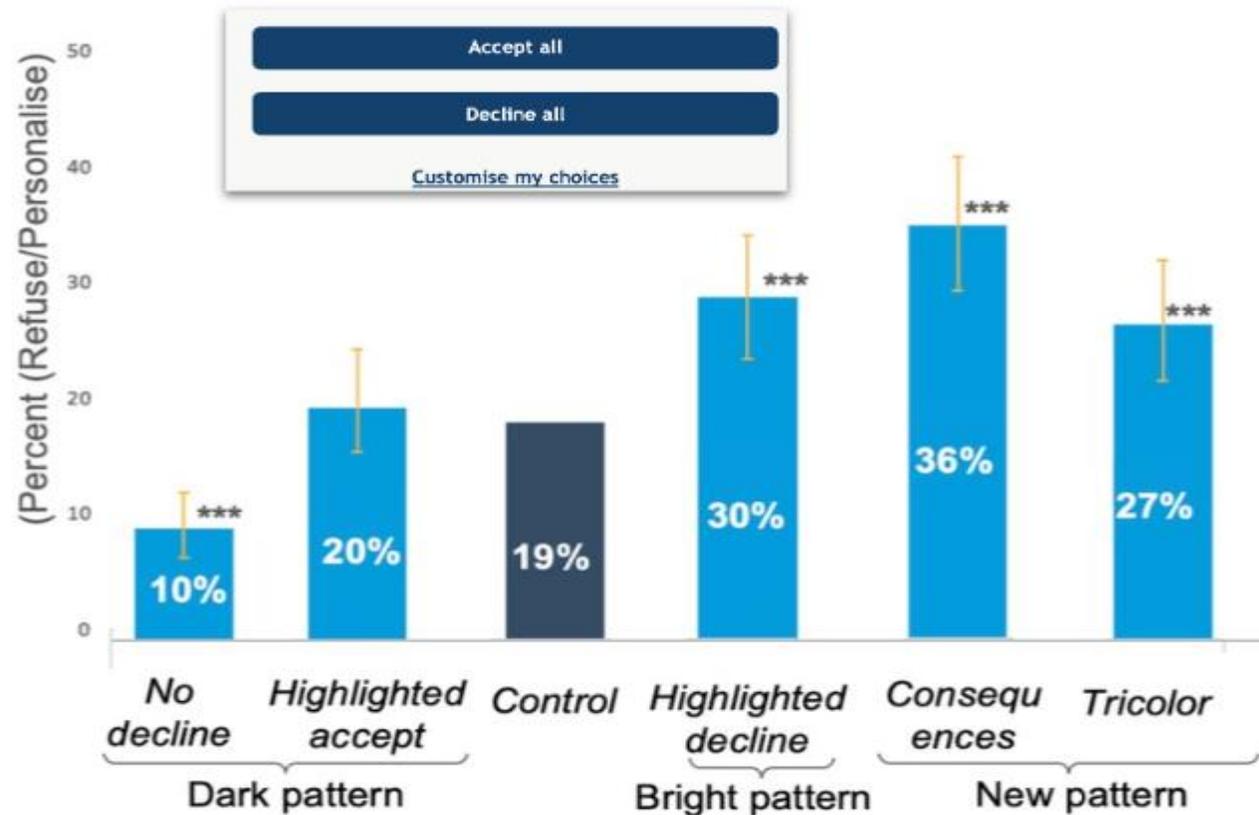
N=3 947
Exploratory analysis carried out on the choices made by individuals when faced with the first banner (#1) and the third banner (#3), controlling for age, gender, level of education and employment status.

Follow up

- Testing eye tracking on different cookies banners

- Creating a virtual room with different cookie banners

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Reidentification or location dataset : from theory to practice

Why

Twelve Million Phones, One Dataset, Zero Privacy

By Stuart A. Thompson and Charlie Warzel

DEC. 19, 2019

Share full article

E VERY MINUTE OF EVERY DAY,
companies — largely unre
logging the movements of tens
phones and storing the informa
Times Privacy Project obtained
most sensitive ever to be review
than 50 billion location pings fr

IMAGE: CATHRYN VIRGINIA

Martin Gundersen
@martingund

The Danish DPA opened an investigation into Huq following a media report. On behalf of Danish TV 2 a company bought historical location data collected from 60.673 phones. It only cost 4800 euro for a year of data.

Article in Danish:

C'est l'histoire d'un prêtre qui rentre da
: de l'importance de l'anonymisa

29 July 2021

FTC Sues 'Massive' Data Broker for Selling Location Info on Abortion Clinics

In its lawsuit, the FTC describes how with a sample of data obtained from Kochava it was possible to pinpoint a device that visited a women's reproductive health clinic and then trace that phone back to a single family home.

August 29, 2022, 6:36pm   Share   Tweet   Snap

By Joseph Cox

Florida Prison System Bou
Location Data from Apps

The Florida Department of Corrections is the first reported state agenc
based location tracking tech.

By Joseph Cox

March 10, 2021, 3:00pm   Share   Tweet   Snap

MOTHERBOARD
TECH BY VICE

Leaked Location Data Shows Another Muslim Prayer App Tracking Users

How to get a location dataset?

buy location data

Q Tout   Images   ▷ Vidéos   Actualités   ⊙ Carte   Shopping   Paramètres

France ▾   Filtre parental : modéré ▾   Date indifférente ▾

https://www.safegraph.com › guides › buy-location-data

Where to Buy Location Data: Best Providers for the Top 9 Types

Check out the type of **data** you're looking for, and learn about the best place to acquire it based on your needs and what you're using it for. If you need to learn about the top 9 types of **location data** in more detail, check out our detailed guide on Geospatial **Data** Types and How You Can Use Them.

https://datarade.ai › data-categories › mobile-location-data

Mobile Location Data: Best Datasets & Databases 2023 | Datarade

Mobile **location data** relates to the geographic coordinates of mobile and cell devices. It's mostly used by retailers and marketers e.g in **location**-based advertising and store **location** optimization. Datarade helps you find the right mobile **location data** providers and datasets. Learn more.
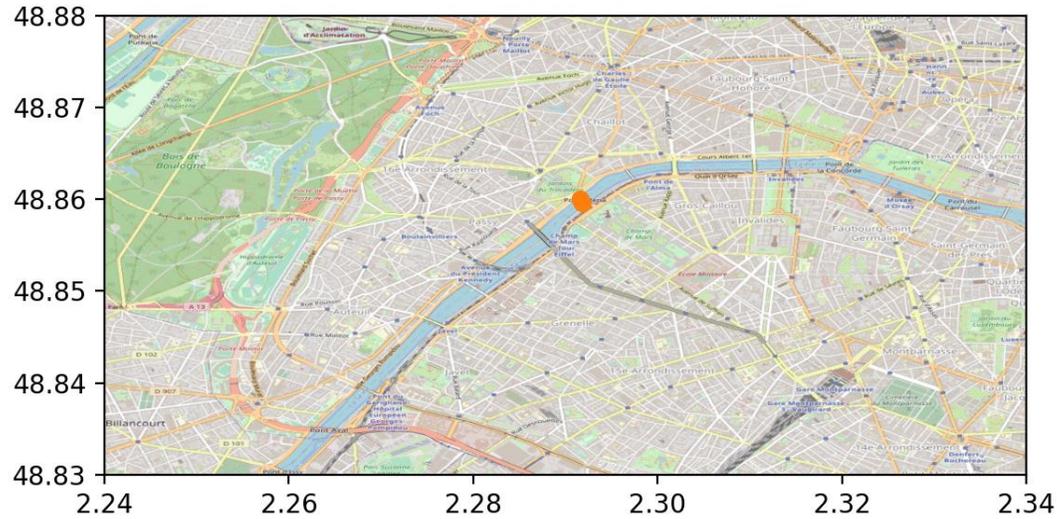
How to get a free location data?

Dataset in number:
- 5 millions identifiers
- 1 week of data collection(8 au 15 octobre 2021)
- 100 millions geolocation

After data cleaning
- 800.000 identifiers with 20+ location points
- 20.000 identifiers with 1000+ location points

Paris 20 Km race

Place au Scratch	Nom	Prénom	Dossard	Nationalit	Sexe	Tps Final	Tps 5KM	Tps 10KM	Tps 15KM	Catgorie
1				FRA	H	0:57:54	0:14:47	0:28:52	0:43:18	SEM
2				KEN	H	0:57:57	0:14:47	0:28:53	0:43:17	M40
3				KEN	H	0:59:22	0:14:47	0:28:53	0:43:30	SEM
4				FRA	H	1:02:22	0:15:53	0:31:02	0:46:40	SEM
5				FRA	H	1:02:28	0:15:52	0:31:02	0:46:40	SEM
6				FRA	H	1:02:33	0:15:53	0:31:02	0:46:40	M35
7				MAR	H	1:03:05	0:15:49	0:31:02	0:46:57	SEM
8				FRA	H	1:04:24	0:17:02	0:33:01	0:48:54	SEM
9				FRA	H	1:04:36	0:15:53	0:31:30	0:48:03	SEM
10				FRA	H	1:04:37	0:16:20	0:32:07	0:48:25	SEM
11				FRA	H	1:04:39	0:16:19	0:32:07	0:48:26	SEM
12				FRA	H	1:04:47	0:16:19	0:32:07	0:48:27	SEM
13				FRA	H	1:05:06	0:16:31	0:32:20	0:48:39	M35
14				FRA	H	1:05:37	0:16:29	0:32:20	0:48:42	SEM
15				FRA	H	1:06:13	0:16:55	0:32:56	0:49:30	M55

Thanks to the 20KM race, we reidentified :
- 3 people (high confidence) that we contacted
- 2 people (lower confidence)

People who can be identified

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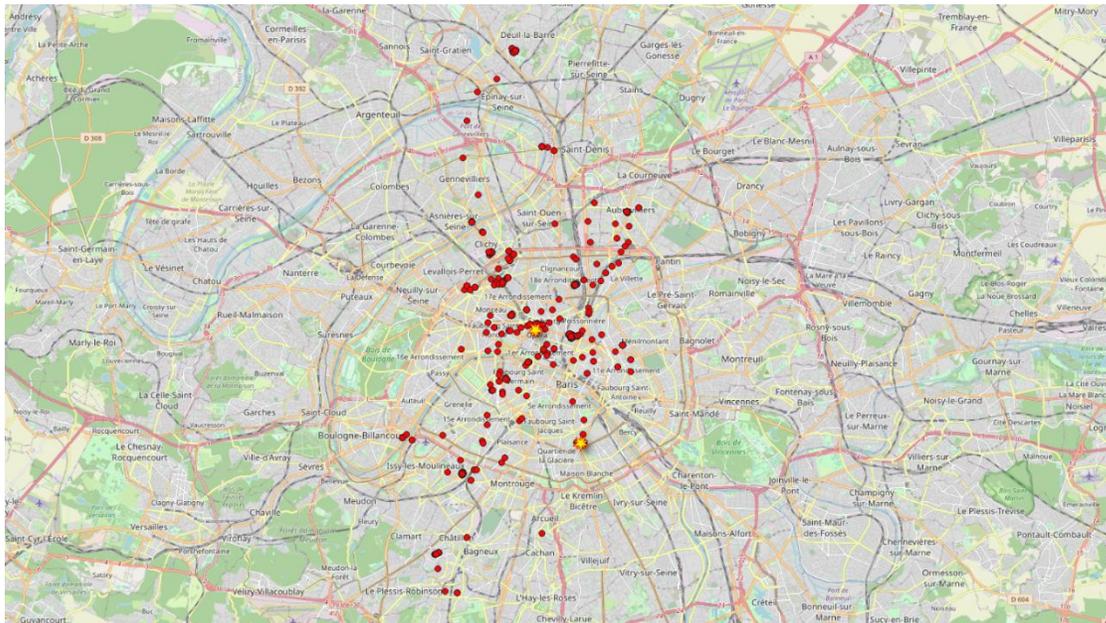
Re-identification from home and work:
1) Identifying where you live
2) Identifying the workplace
3) Finding matches

**Based on a sample of 20 people (out of 800,000),
6 have probably been re-identified**

People who can be identified

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- 9 letters sent

- 2 answers

  - People were not aware that their data was for sale

Contacting people

- Geolocation data is highly identifying

- Access to this data is not too complicated

- It is relatively simple to identify people at random

- **What we should have done :** send ads to the reidentified persons

Country	MAU AVG	DAU AVG	AVG Signal Density per device
United States	276,385,712	68,026,676	260.0
Brazil	77,096,216	16,096,212	148.1
Mexico	66,657,160	16,725,577	46.2
India	54,819,214	13,028,256	299.1
Japan	36,536,525	13,150,931	490.8
Turkey	27,174,718	4,414,224	23.6
Iraq	21,494,992	5,357,465	51.9
Vietnam	21,444,601	5,137,433	193.8
Canada	21,126,526	6,589,478	172.5
Indonesia	20,102,165	2,323,540	83.2
Colombia	15,152,792	2,834,559	17.4
United Kingdom	13,498,333	3,478,600	245.2
France	12,749,017	2,638,370	75.8

Conclusion

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Digital practices in middle schools

Numerique et adolescent

RISQUE CONCRET	RISQUE ABSTRAIT
(ex : Harcèlement, usurpation d'identité, vol de compte, pornodivulgation.)	(ex : Collecte abusive de cookies, publicité ciblée, bulles de filtres, réidentification.)

Risque intégré

Le risque est identifié et associé à des dangers concrets et/ou à une émotion forte, nécessitant la mise en œuvre de stratégies de protection.

Risque accepté

La prise de risque représente une opportunité en matière de visibilité, de réputation ou d'accès à des services. Le risque identifié est accepté pour accéder à cette opportunité.

Risque évacué

Les conséquences du risque sont considérées comme minime, voire inexistantes. Pas ou peu de stratégies mises en œuvre.

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Numerique et adolescent

Numerique et adolescent

Le concept : équiper les stratégies existantes des adolescents pour protéger leurs données personnelles « sans les adultes », faire de la pédagogie par ce biais

Les principales fonctionnalités :

- Anonymiser une **photo de profil**

- Vérifier/générer des **mots de passe** faciles à retenir

- Générer des **pseudonyme** personnalisés

- Outil d'accompagnement au **droit à l'effacement** (formulaires préremplis, checklist, etc.).

- Notification d'**alerte hameçonnage**