Technical Tools for Legal Consent:

Do Not Track Meets the Needs of GDPR & CCPA Consent Rights Frederik J. Zuiderveen Borgesius, Radboud University, Nijmegen & University of Amsterdam;

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What's wrong with this picture?

advertising bureau
COOKIE NOTICE
IAB Europe uses cookies for functional and analytical purposes. Some cookies used by third party providers may be used for targeted advertising purposes.
 Click on 'I Agree' to agree to the use of cookies of IAB Europe and third parties. Click on 'More info' for more information about the processing of the (personal) data that can be collected and processed by IAB Europe and third parties. For additional details, please read our privacy policy.
MORE INFO READ OUR PRIVACY POLICY
IAGREE

- No way to decline consent lonely "I agree" is not a choice!
- Not clear and unambiguous.
- Acknowledges third parties, but never names them.
- Cookies set immediately, before consent is requested.
- Likely illegal under European GDPR law (pending case)
- No opt-out button as required by California's CCPA law.
- If users agree, consent is saved indefinitely. If users do not agree, they are pestered repeatedly.
- Not only is this specific user interface deliberately unusable, a web full of these dialog boxes on multiple websites is pointless, frustrating, and makes a farce of the notion of privacy choices and privacy laws.

What is at stake?

- **Financial impact:** estimated \$333 billion spent on ads in 2019. Google captures nearly one third of revenue. Challenge: preserve economic value while enabling privacy choices.
- Democratic elections: targeted ad data used in Brexit and US 2016 Presidential campaigns by Russians to suppress turnout, undermine faith in the process, and create social divisions.
- **Surveillance:** the National Security Agency (NSA) used Google PREFID tracking cookies to hack track, then hack targets. NSA bought Google ads to strip anonymity from Tor users.
- **Trust:** Pew finds over 90% of Americans believe consumers have lost control over how personal information is collected and used by companies.
- Privacy rights: intrinsic harm independent of applications.

A better path forward

Send a "Do Not Track" request with your browsing traffic

- Use a Do Not Track browser-based HTTP signal for consent.
- Users set a default choice once. Rather than *improve* consent experiences, can largely *eliminate* pointless cookie notices.
- Companies can ask for specific exceptions. Need to limit this to a reasonable frequency of requests.
- Live implementations are already close to Europe's GDPR and California's CCPA requirements, even though some implementations pre-date recent laws.
- Europeans and Californian children under 13 must *opt-in* to tracking. Adult Californians must *opt-out* of tracking. California teens between 13 and 16 must *opt-in*, with consent from teen or parent. Do Not Track cannot tell a user's age, but can work with multiple opt-in or opt-out frameworks.
- Proven to work at web scale.



Challenges

- History shows companies do not have incentive to design usable consent mechanisms.
- Apple removed Do Not Track from Safari over fingerprinting concerns, despite low entropy.
- Likely requires additional laws, case law, or regulations.
- Future work: understanding users' current mental models of consent, designing new consent mechanisms, and *testing* the usability of consent dialogs to get it right.
- Precedent and guiding examples: Schumer box for disclosing credit card rates, as required by law, and designed with extensive study of usability.