# Can I Opt Out Yet? GDPR and the Global Illusion of Cookie Control

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### **ABSTRACT**

On May 25th, 2018 the *General Data Protection Regulation*(GDPR) was applied by the European Union. The GDPR is supposed to provide users the means to protect their privacy on the internet. This also strongly limits the ability of websites to track users via cookies. This report is based on the work of Sanchez-Rola et al. [7] who evaluate the impact of the GDPR on cookie tracking of users on a global scale. Furthermore, Sanchez-Rola et al. present the impact of the GDPR on privacy policies of websites.

- 1 INTRODUCTION
- 2 BACKGROUND
- 3 RELATED WORK
- 4 UNDERLYING WORK
- 5 CONTRIBUTIONS
- 6 CONCLUSION

[2] [7] [10] [1] [6] [4] [8] [9] [11] [5] [3]

#### REFERENCES

- [1] Adrian Dabrowski, Georg Merzdovnik, Johanna Ullrich, Gerald Sendera, and Edgar Weippl. 2019. Measuring cookies and web privacy in a post-gdpr world. In *International Conference on Passive and Active Network Measurement*. Springer, 258–270.
- [2] Martin Degeling, Christine Utz, Christopher Lentzsch, Henry Hosseini, Florian Schaub, and Thorsten Holz. 2018. We value your privacy... now take some cookies: Measuring the GDPR's impact on web privacy. arXiv preprint arXiv:1808.05096 (2018).
- [3] Carlos Jensen and Colin Potts. 2004. Privacy policies as decisionmaking tools: an evaluation of online privacy notices. In Proceedings of the SIGCHI conference on Human Factors in Computing Systems. 471–478
- [4] Célestin Matte, Nataliia Bielova, and Cristiana Santos. 2020. Do cookie banners respect my choice?: Measuring legal compliance of banners from iab europe's transparency and consent framework. In 2020 IEEE Symposium on Security and Privacy (SP). IEEE, 791–809.
- [5] Aleecia M McDonald, Robert W Reeder, Patrick Gage Kelley, and Lorrie Faith Cranor. 2009. A comparative study of online privacy policies and formats. In *International Symposium on Privacy Enhancing Technologies Symposium*. Springer, 37–55.

- [6] Midas Nouwens, Ilaria Liccardi, Michael Veale, David Karger, and Lalana Kagal. 2020. Dark patterns after the GDPR: Scraping consent pop-ups and demonstrating their influence. In Proceedings of the 2020 CHI conference on human factors in computing systems. 1–13.
- [7] Iskander Sanchez-Rola, Matteo Dell'Amico, Platon Kotzias, Davide Balzarotti, Leyla Bilge, Pierre-Antoine Vervier, and Igor Santos. 2019. Can i opt out yet? gdpr and the global illusion of cookie control. In Proceedings of the 2019 ACM Asia conference on computer and communications security. 340–351.
- [8] Martino Trevisan, Stefano Traverso, Eleonora Bassi, Marco Mellia, et al. 2019. 4 years of EU cookie law: Results and lessons learned. Proceedings on Privacy Enhancing Technologies 2019, 2 (2019), 126–145.
- [9] Christine Utz, Martin Degeling, Sascha Fahl, Florian Schaub, and Thorsten Holz. 2019. (Un) informed consent: Studying GDPR consent notices in the field. In Proceedings of the 2019 acm sigsac conference on computer and communications security. 973–990.
- [10] Whotracks.me. 2018. GDPR What happened? (2018). https://whotracks.me/blog/gdpr-what-happened.html
- [11] Sebastian Zimmeck and Steven M Bellovin. 2014. Privee: An architecture for automatically analyzing web privacy policies. In 23rd USENIX Security Symposium (USENIX Security 14). 1–16.