



Scalable Oblivious Data Analytics

GDPR meets Crypto

Towards secure privacy-preserving data analytics

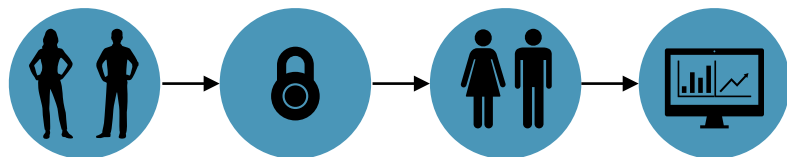
As a Horizon2020 project, the main objective of the SODA project is to develop methods for privacy-preserving Big Data analytics that are able to deal with the large-scale processing of personal data. We believe this will contribute to a more effective research in the healthcare domain.

Our primary objective is to help develop a
GDPR-compliant, secure system.

Our job as legal professionals is to work alongside researchers in computer science on the technical side and various other stakeholders, so that we can provide an accurate, in-depth legal analysis of international and European data protection and privacy laws, especially but not limited to the GDPR.

De-identification reduces risks and enhances privacy

Cryptographic solutions, such as multi-party computation and differential privacy have the potential to de-identify personal data in a way that does not allow the data subject to be identified with means reasonably likely to be used.



These state-of-the-art technical measures safeguard the privacy of the data subjects not only during but also after the data analysis.

There is, however, a difference between anonymisation in a legal and in a technical sense. Anonymisation under the current data protection framework is a much broader concept where encryption is one but not the only condition of compliance. It includes several other obligations, e.g. documentation, risk assessments and regular monitoring.

Against this background we identify the following legal challenges:



anonymisation and removal of personal reference



determination of purpose and legitimate basis



special provisions for sensitive data



application of technical and organisational measures

Big Data and Privacy are not mutually exclusive.

Legally compliant data processing can be achieved through the structured implementation of technical and organisational measures. We believe that under certain circumstances the proper combination of privacy-preserving methods might even lead to anonymised data.

**We would like to invite you
to share your thoughts and opinions
on the legal aspects of
innovative privacy-preserving technologies.**

For more information please visit www.soda-project.eu