



PhD Day 2020: Data Privacy Management Framework

User-Centric Privacy Technology, Effective Accountability,
Trustworthiness

Date: November 27, 2020

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Agenda

1. Topic Relevance
2. Research Development & Gaps
3. Privacy Concepts & Frameworks
4. Future Procedures



Kadir Ider

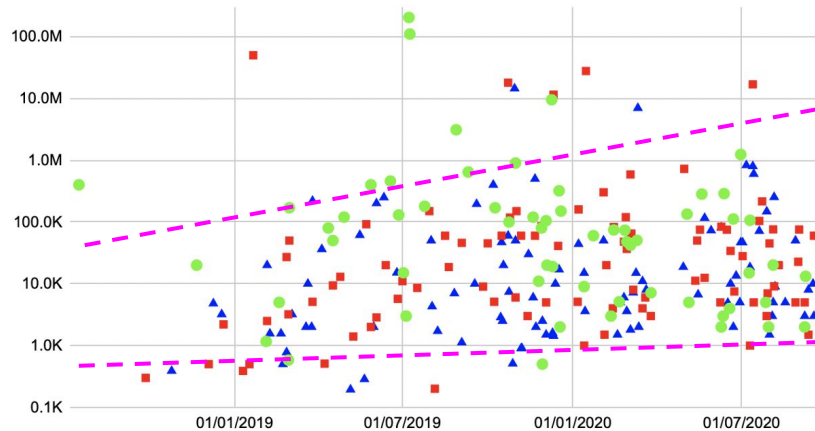
Delivery Hero SE
Berlin, Germany

Global data protection manager with a background in business intelligence and process management and doctoral candidate with focus on technology compliance

1. Topic Relevance

400 GDPR fines due to non-compliance

- Non-compliance with data processing principles and data breach obligations (Δ)
- Insufficient legal basis for data processing (\ominus)
- Insufficient technical and organisational measures to ensure information security (\circ)



Source: K. Ider, Effective Privacy Management Concepts: Increasing Privacy Control by Reducing Complexity, 2020.

Trends

- Increased automation in data processing activities, driven by RPA and AI
- Intransparent - black box- processes leading to low level of processing understanding
- Lack of users self-control over personal data
- Interim results of an ongoing international survey show that data subjects perceive data protection information as a burden rather than a benefit
- Willingness to trade-off personal data for technology benefits may indicate an association with the ability for greater privacy control

2. Research Development & Gaps



User Privacy

- Options provide important building blocks for the development of a secure, transparent and effective user-centric solution
- Entire control handed over to users
- Solutions explored academically or are tight to too specific technological prerequisites slowing down implementability
- Not effectively comply with GDPR standards as alternative models are not designed to achieve GDPR-compliance

The hypothesis is that shifting some control to the user is more beneficial than entirely overtaxing them with the responsibility of their personal data management

3. Privacy Concepts



Effective Privacy Management

Standard Privacy Layout

- Building block concept consisting of standardized layout and features, such as icons, designated places for privacy information and easing the exercise of rights by the data subjects

Personal Privacy Cockpit

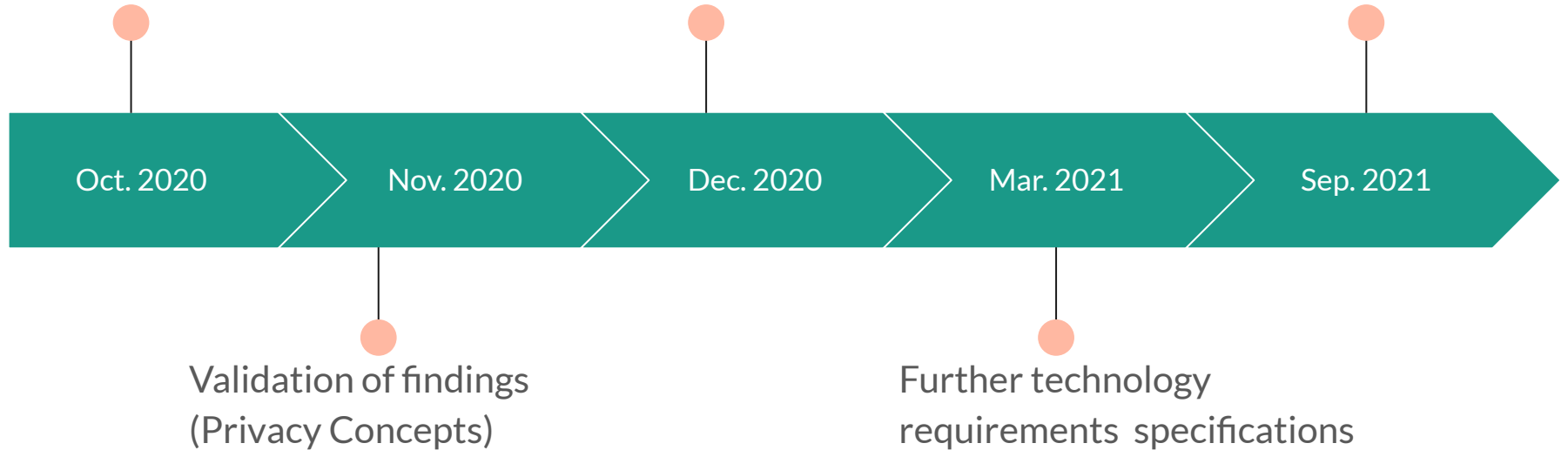
- User-centric management platform
- PPC may be used as a cross platform login service, such as available by Google or Facebook
- Low implementation requirements design

4. Future Procedures

Continuous collection and assessment of survey results

- Design and testing of UI/UX
- Testing Framework

Interoperability testing in selected industries



Research 2020 In A Nutshell



Publications

- DSGVO Compliance und Datenschutz-Managementsystem als Erfolgsfaktor für die Digitale Transformation nutzen (completed, co-written with Prof. Dr. Michael Faustino-Bauer)
- Effective Privacy Management Concepts: Increasing Privacy Control by Reducing Complexity (completed)
- Data Privacy For AI Fraud Detection Models - A framework for GDPR compliant AI (completed and peer-reviewed, co-written with Prof. Dr. Andreas Schmietendorf)
- Secure Public WiFi durch Network Access Control - Ansätze, Chancen und datenschutzrechtliche Implikationen (in preparation, co-written with Steven Schmidt)

Other activities

- Digital Business Leadership SS20, (MBA class) lecturer, topic: Digital Compliance 202X
- The Fourteenth International Conference on Digital Society (ICDS 2020)
- Digital Business Leadership WS20/21 & SS21, (MBA class) lecturer, topic: Designing Data Protection Frameworks
- Preparation of research proposal

Questions & Feedback: PhD Day 2020

Submit your request [here](#)

Invest 5 min. and improve the research for better privacy, [here](#)

Privacy 4.0: my research articles and further material on privacy topics, [here](#)