Privacy mindset of app developers

Unawareness of privacy best practices and PETs to address data protection on mobile devices.

Privacy frameworks for app developers

Hardly any tools exist to assist the developer with the implementation of data protection methods.

AppPETs design

- **P-Lib**
  - Software library for app developer
  - Features to protect data sinks and sources

- **Anonymous Communication Network (ACN)**
  - Provides unlinkability based on IP addresses
  - Adapted for usage within mobile networks

- **P-Service**
  - Provides PETs such as PIR, ABC and secure multi-party-computation
  - Non-colluding operators

- **Audit**
  - Validate data protection behavior of an app
  - Privacy Seal is granted for successful audits

Example apps

- **News Reader**
  - The integration of the AppPETs interface to anonymization networks allows an app to achieve receiver anonymity for its users. To allow the access of paid content while maintaining receiver anonymity for the reader requires an ABC P-Service.

- **ToDo List**
  - To keep a secret to the user only and to share such secret among multiple devices, the AppPETs interface of the Secure Storage P-Service provides solutions for data encryption and key management to help app developers to avoid common pitfalls.