

COP-MODE Data Collection Agreement



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COP-MODE (Context-aware Privacy Protection for Mobile Devices) is a research project led by the University of Coimbra and in collaboration with the University of Cambridge. The project aims at enhancing the privacy of mobile devices through context-awareness.

The experiment supporting this research was approved by the Ethics Committee, Department of Computer Science and Technology, University of Cambridge.

This agreement and further information related to the project can be found in the project website: <https://cop-mode.dei.uc.pt>. The COP-MODE team can be contacted anytime through the following email: cop-mode@dei.uc.pt

By signing this agreement, the undersigned individual agrees to participate in a COP-MODE's data collection campaign, and therefore, to the following terms:

A. Equipment and Software

- a. The COP-MODE team will borrow a phone for the duration of the campaign. The participant is expected to use the lent phone as his main phone during this period.
- b. The participant shall return the phone at the end of the campaign in the same conditions as at the moment he received it.
- c. The phone will come pre-installed with the user applications, information that is gathered in the first stage of a campaign.
- d. The phone will come pre-installed with COP-MODE's permission manager, which not only gives the participant control over application's permission requests but also collects the necessary data for this project.
- e. The COP-MODE team will provide any technical assistance that may arise during the duration of the campaigns.

B. Data Collection and Handle

- a. All collected data will be used solely for research purposes, with the exception of the email, as specified in point B. d..
- b. All data will be stored and handled by the COP-MODE team at the University of Coimbra, which commits to high privacy and security standards.
- c. The following types of data will be collected:
 - i. List of installed apps and respective permission settings from the personal phone. This is required because we will install the participant's applications in the lent phone, to ease the setup;
 - ii. Connectivity type (wi-fi, 4g, other);
 - iii. Device context (idle, in use, in call, other);

- iv. Calendar entries. The collection of calendar data is limited to the events' calendar identifier, location and start and end dates.
- v. Location through GPS and user input (semantic location);
- vi. Neighbor devices identifiers (through bluetooth and wi-fi);
- vii. Data related to each permission prompt, including information about the requesting application, application in foreground and the participant's decision (grant or deny);

The enumerated data types can be summarized in data related to the participant and device contexts and to the permission decisions made within such contexts.

- d. Aside from the data from point B. c., the participant's email will be stored in a database during the duration of the campaign he is participating in. This is required for communication purposes and is therefore deleted at the end of the campaign.
- e. At any time, the participant may contact the COP-MODE team to have its data completely deleted.

C. Data Share

- a. The COP-MODE team might share a limited set of the collected data exclusively with academic partners for research purposes.
- b. All shared data shall be anonymous and sanitized, such that the privacy of the participants is respected.
- c. The shared dataset will exclusively contain the data types described in points B. c. ii., B. c. iii. and B. c. vii. of this agreement.
- d. To obtain a copy of the dataset, the researchers will be required to sign an agreement which includes the following terms:
 - i. The data should not be shared, sold or misused.
 - ii. The data shall be stored and handled according to the best privacy and security practices.
 - iii. Upon request by any participant, which shall be forwarded by the COP-MODE team, any of his data must be deleted.

By signing, the participant acknowledges reading and agreeing to the above information and to have received answers to any questions he asked. He consents to participate, and therefore, have the described data collected in conformity with the terms and conditions above.

Name of the Participant

Signature_____

Date_____

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