

The Research Mobility Tracking App

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Background

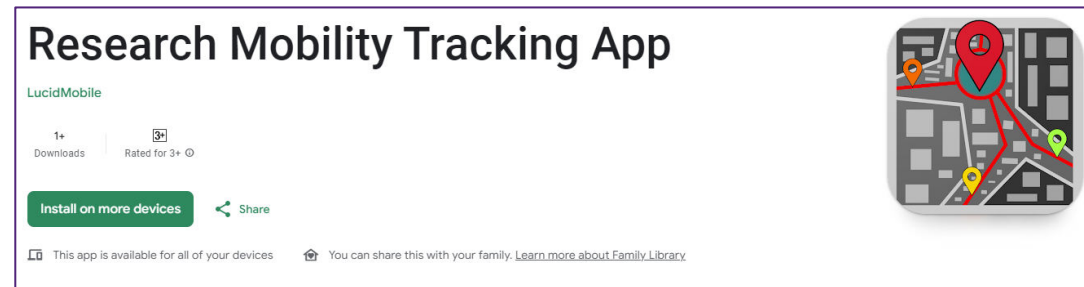
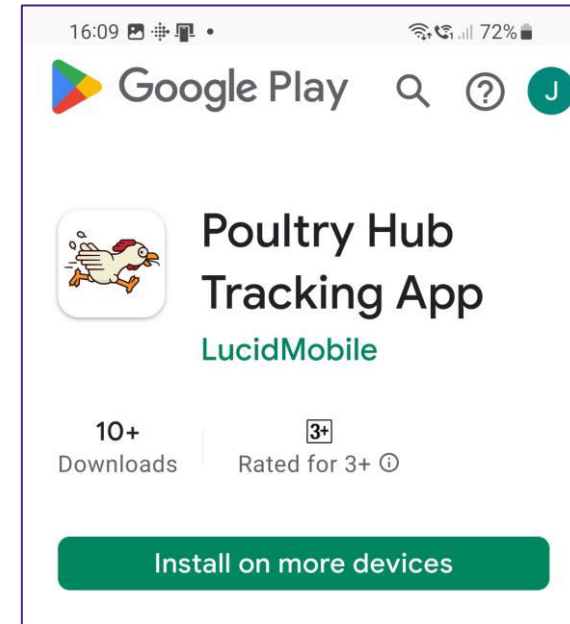
Research of mobility patterns is conducted across multiple disciplines and is most prominent in human geography, sociology and transport research.

Spread of pathogens of veterinary and public health importance is also often linked to movements of animals or people.

The methodology for tracking movements with an App was developed in the One Health Poultry Hub project to track the movement of poultry traders in *Work Package 2*.

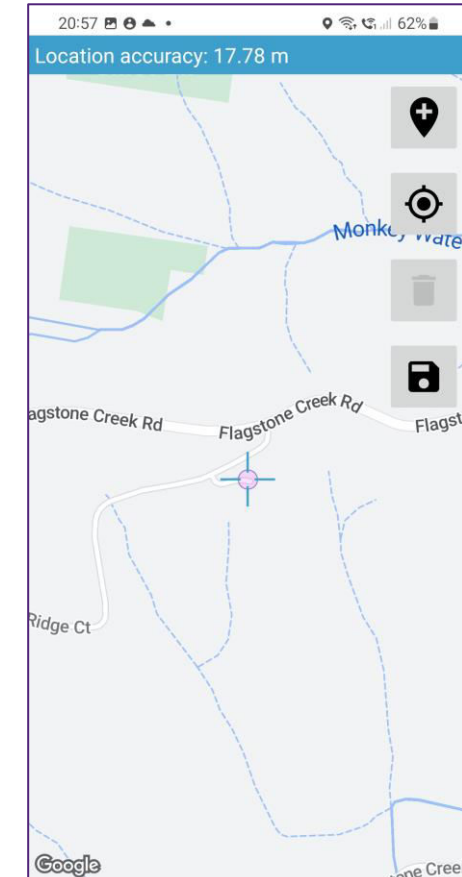
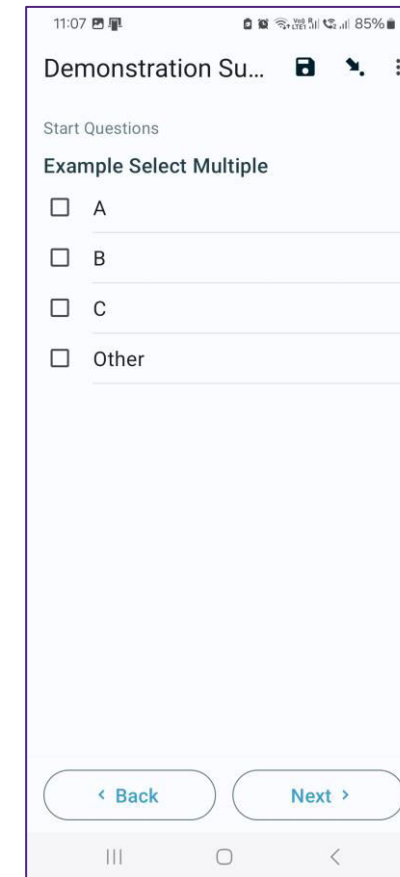
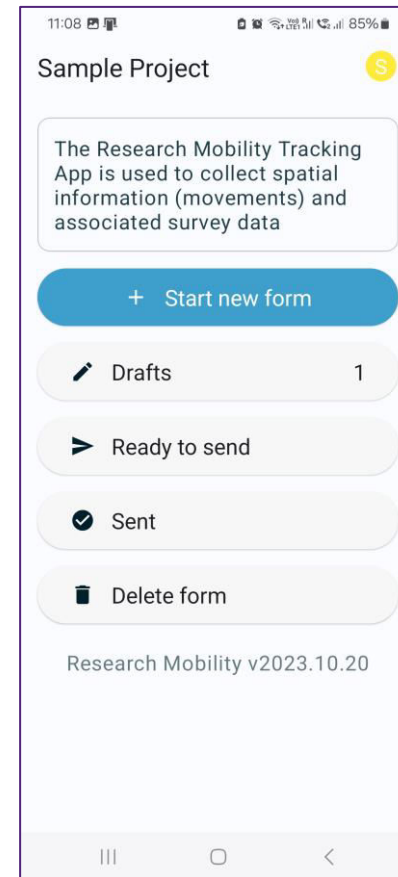
Objective

The aim was to develop a generic mobile phone App (based on the Poultry Hub Tracking App methodology), that can be used by other researcher to conduct their own mobility research.



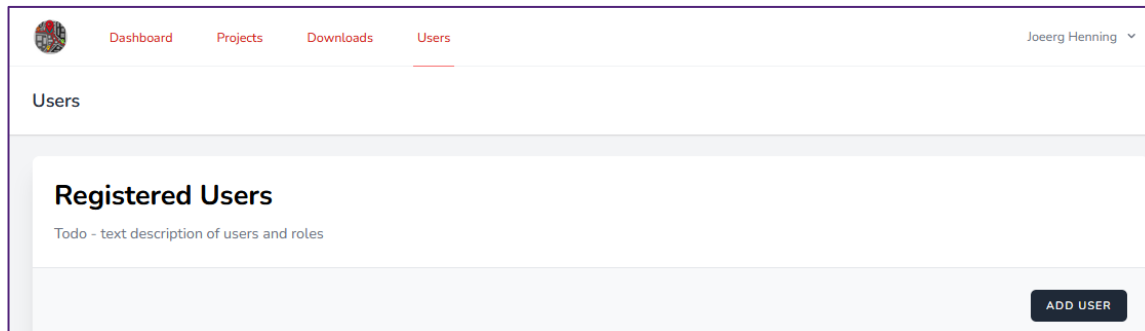
App features

- Developed for Android devices, the App captures:
 - Locations where movements begin/end
 - Survey data (text, number or multiple option fields) associated with locations
 - Movement data
- No mobile phone reception is required to collect location/movement data
- Data is stored on the phone and can be uploaded to an Open Data Kit (ODK) database when internet access is available



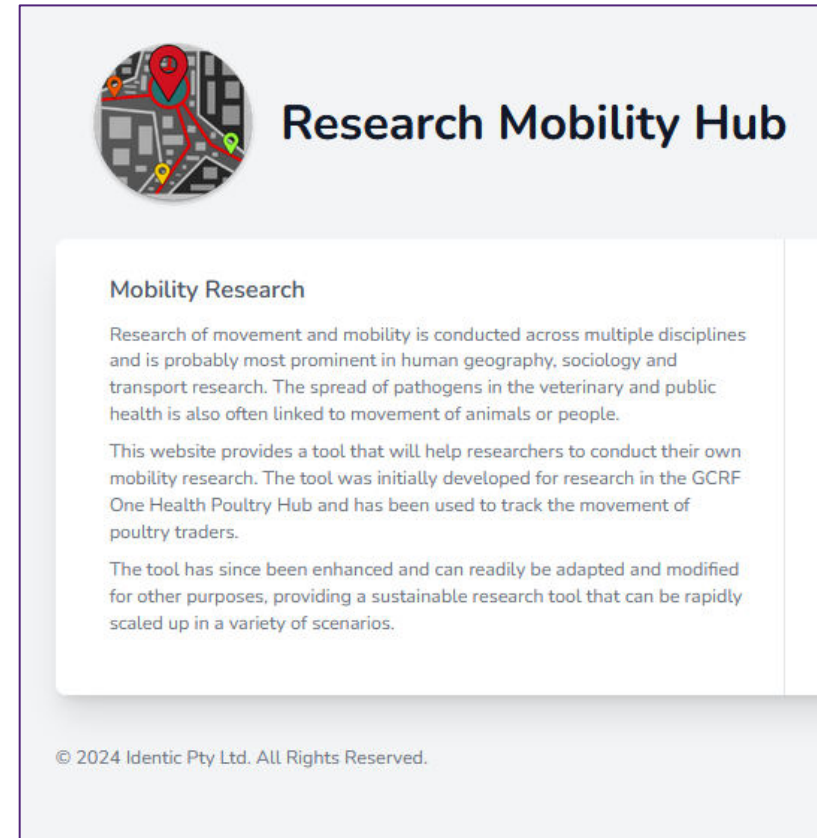
Project and data management

- New research projects and roles of users in these projects (e.g. App user, data user) are created via a customized webpage
- Collected data can be downloaded by permitted users from anywhere in the world



Discussion and significance

The Research Mobility Tracking App captures movements as well as survey data in real-time and represents a sustainable and applied research tool that was developed in the One Health Poultry Hub.



<https://staging.researchmobility.com/>