

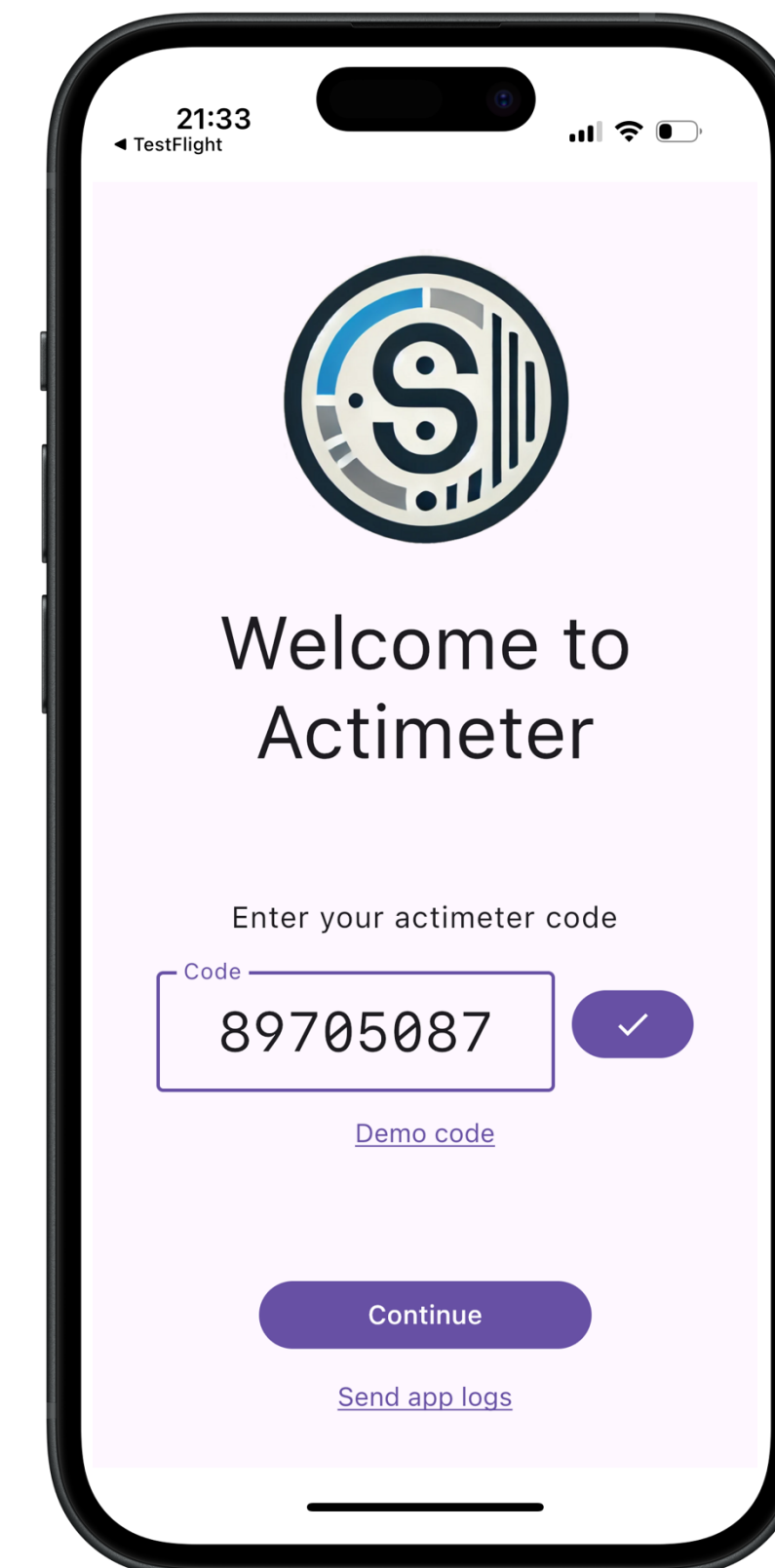
A young girl with blonde hair and bangs, wearing glasses, is sitting on a grey couch. She is holding a tablet computer in front of her, looking at the screen. A grey blanket is draped over the back of the couch. The background is a blurred indoor setting.

SCRIIN Actimeter

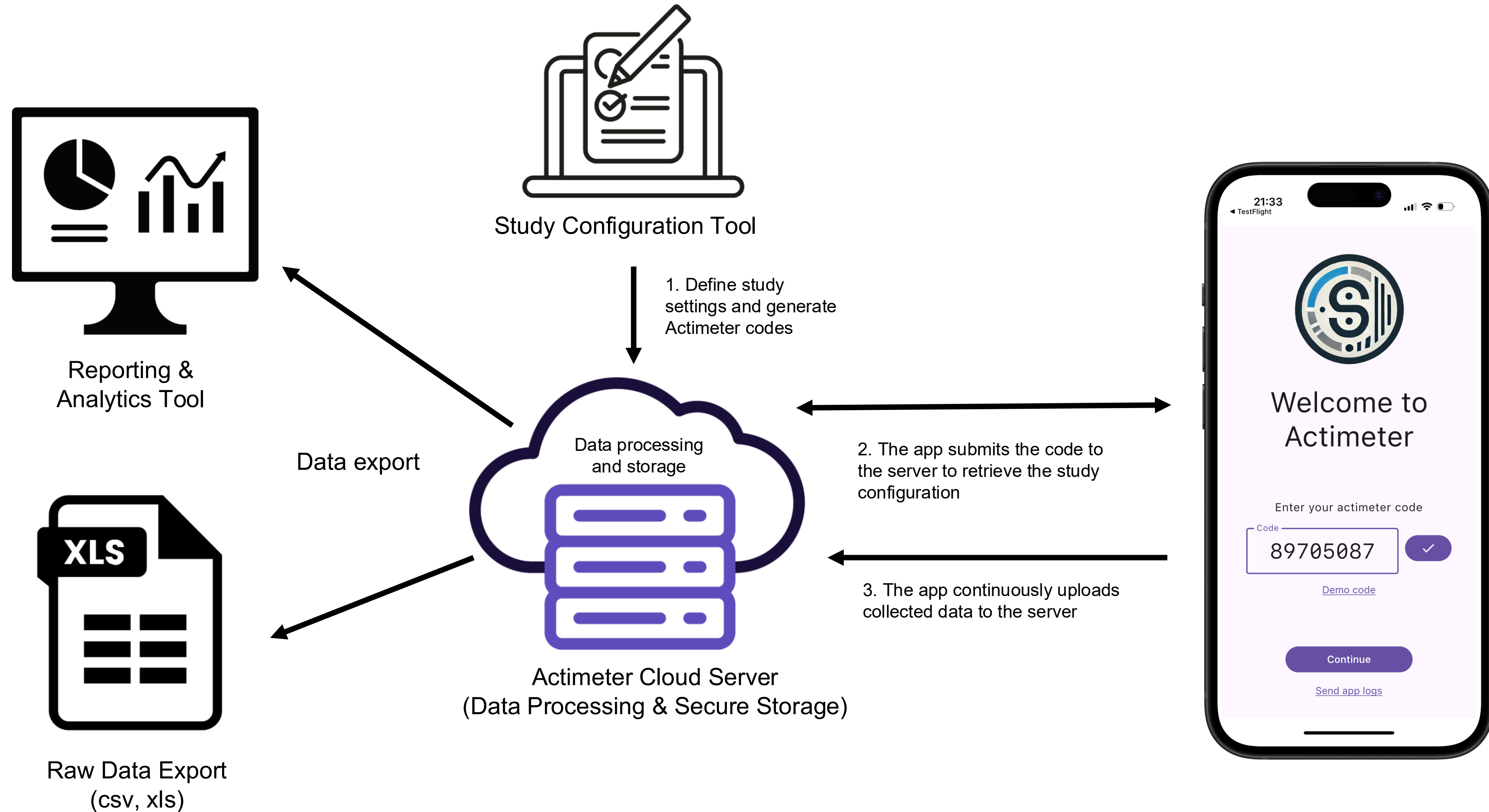
Unlocking the future of screen time research

Functionality of Actimeter

- Designed for research studies and related use cases.
- Tracks smartphone screen time and/or physical activity.
- Provides a customizable onboarding screen aligned with study requirements (e.g., consent information, university logo).
- Study participants download the Actimeter app and authenticate using an 8-digit code provided by the research organization.
- After authentication, the participant-specific onboarding process begins.



High-level System Architecture



How the measurement works

Screen time

- The Actimeter app runs in the background and measures screen time using a dedicated algorithm.
- Screen time is recorded as total device usage and cannot be broken down by individual applications.
- The app supports both Apple and Android devices.

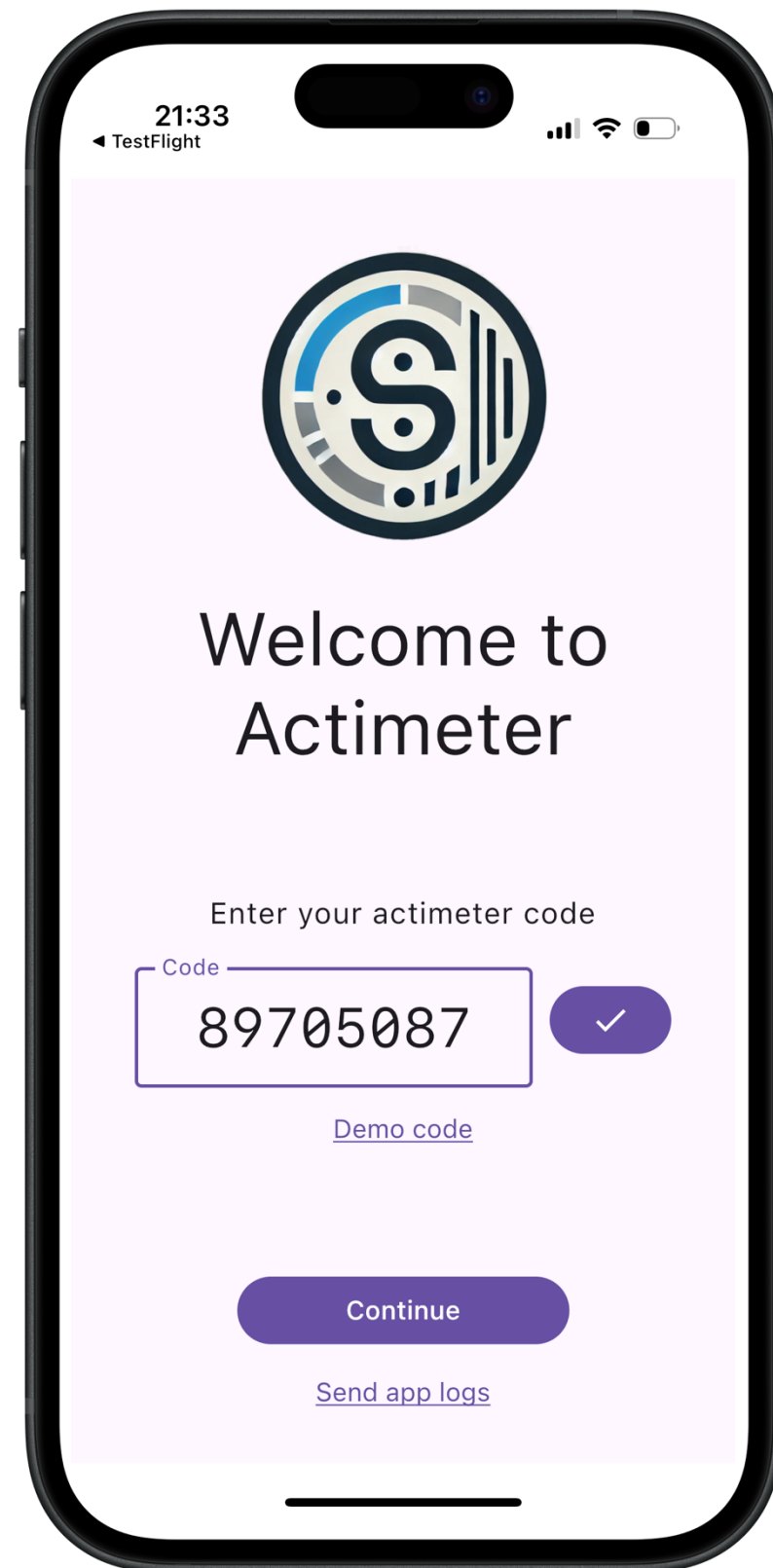


Physical activity

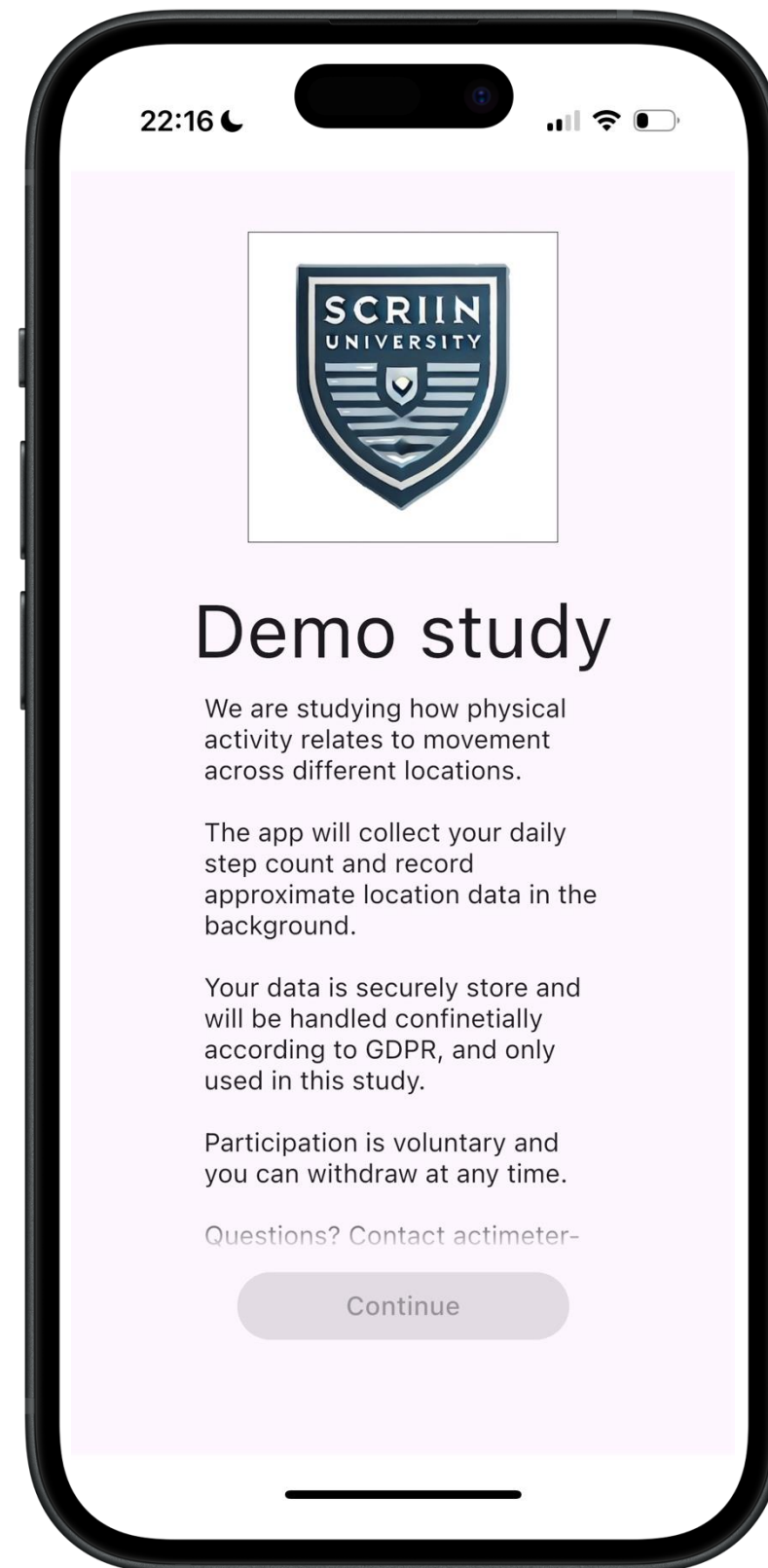
- The app records physical activity using the phone's built-in step tracker.
- It can also connect to smartwatches and fitness trackers (e.g., Garmin, Xiaomi) that are compatible with Apple Health or Google Fit. Fitbit devices is currently not compatible.
- The SCRIN activity tracker can also be used.



Onboarding – consent information

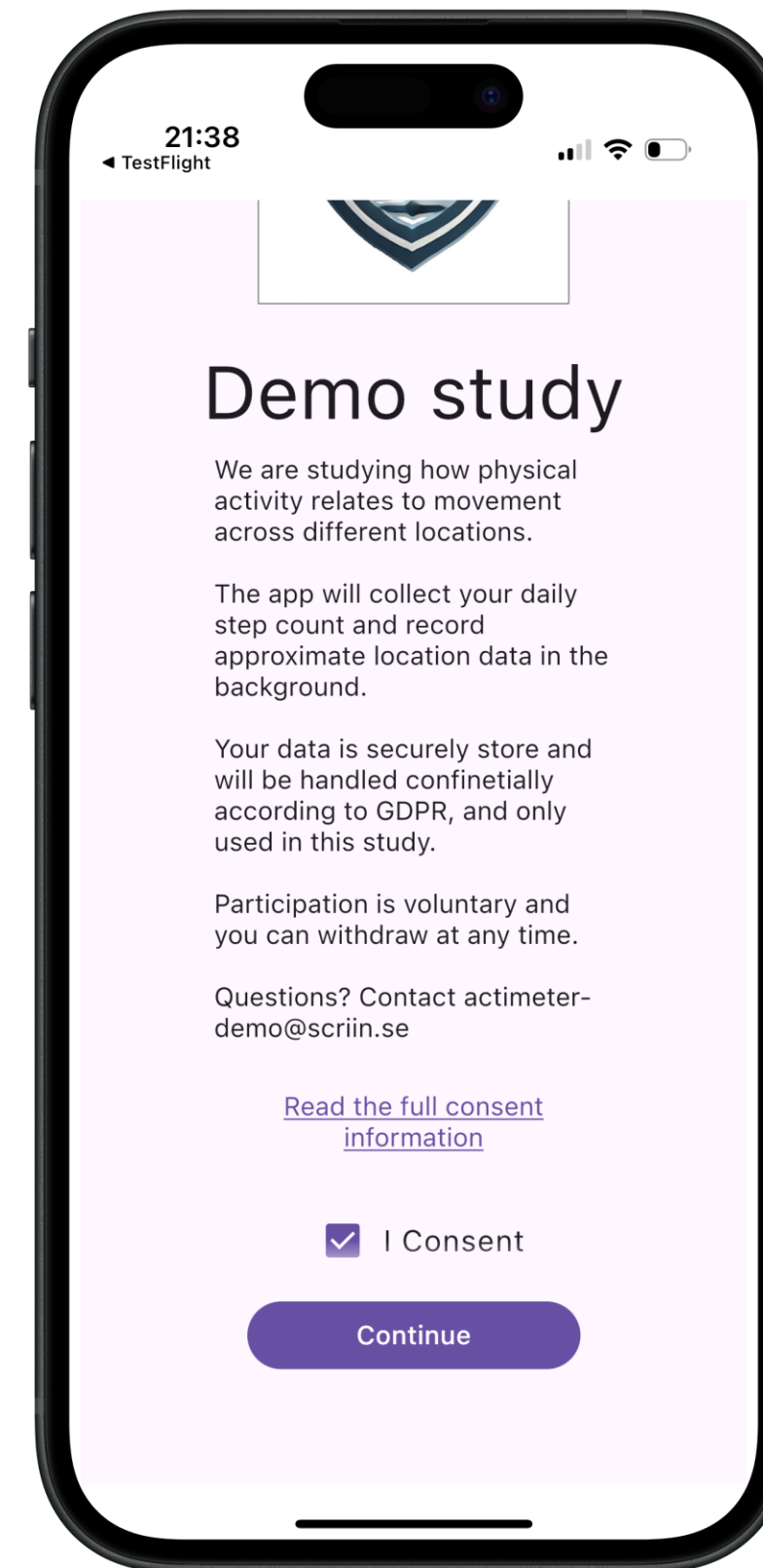


The Actimeter code is provided by the research organization



Customizable items:

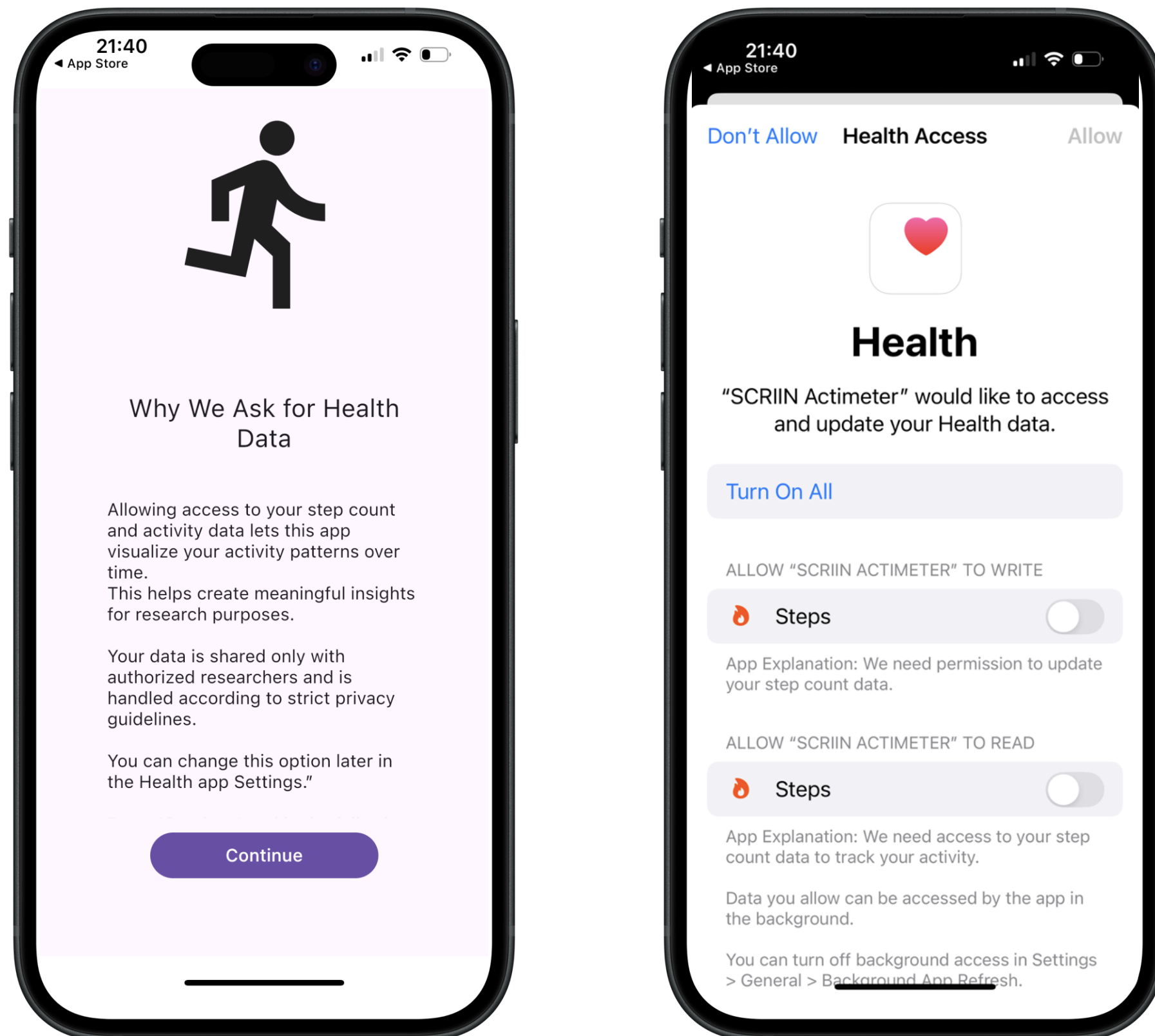
- Logo
- Title
- Description



Customizable items:

- Link to the full consent information

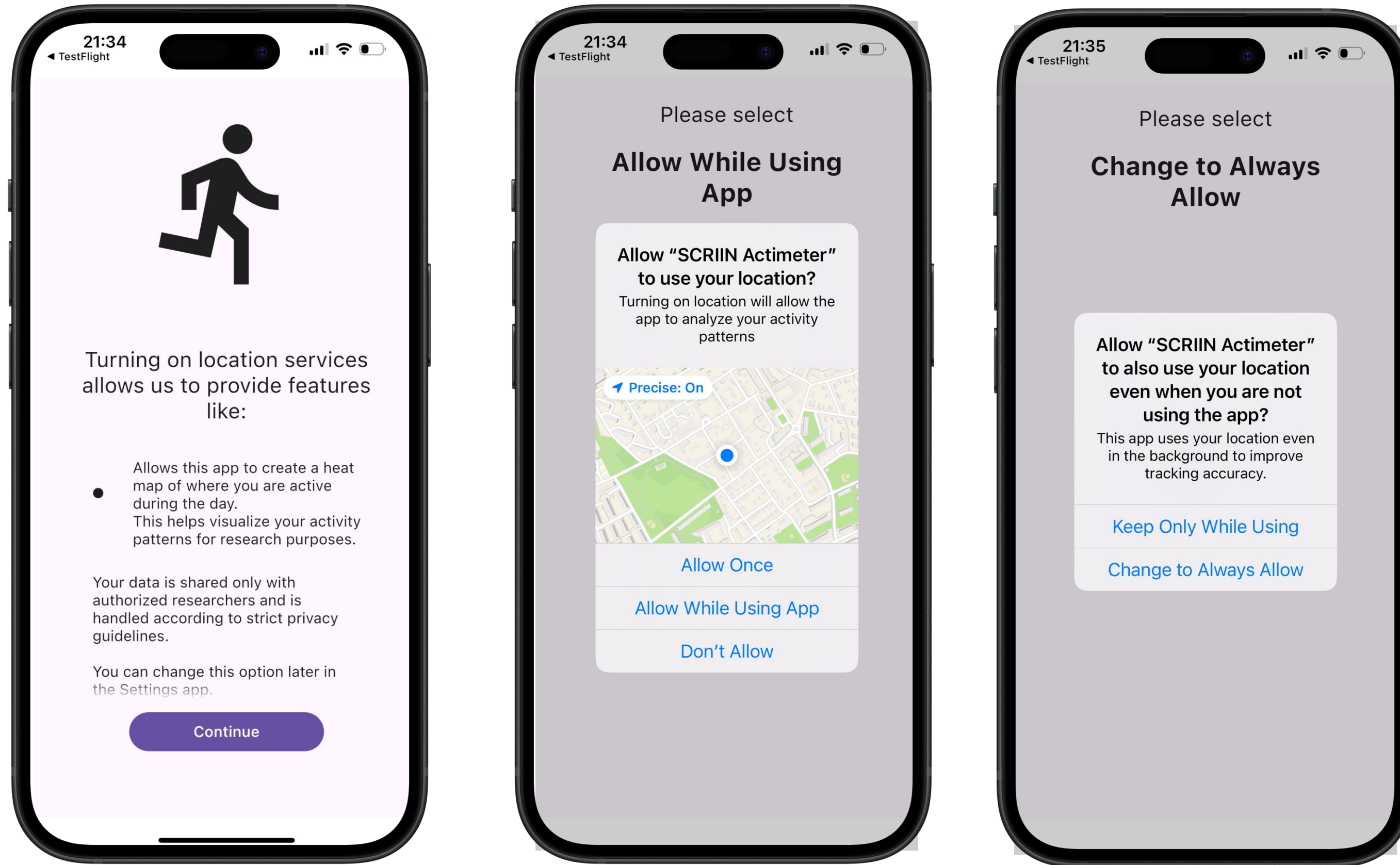
Onboarding – giving access to Apple Health



Customizable items:

- Title
- Description

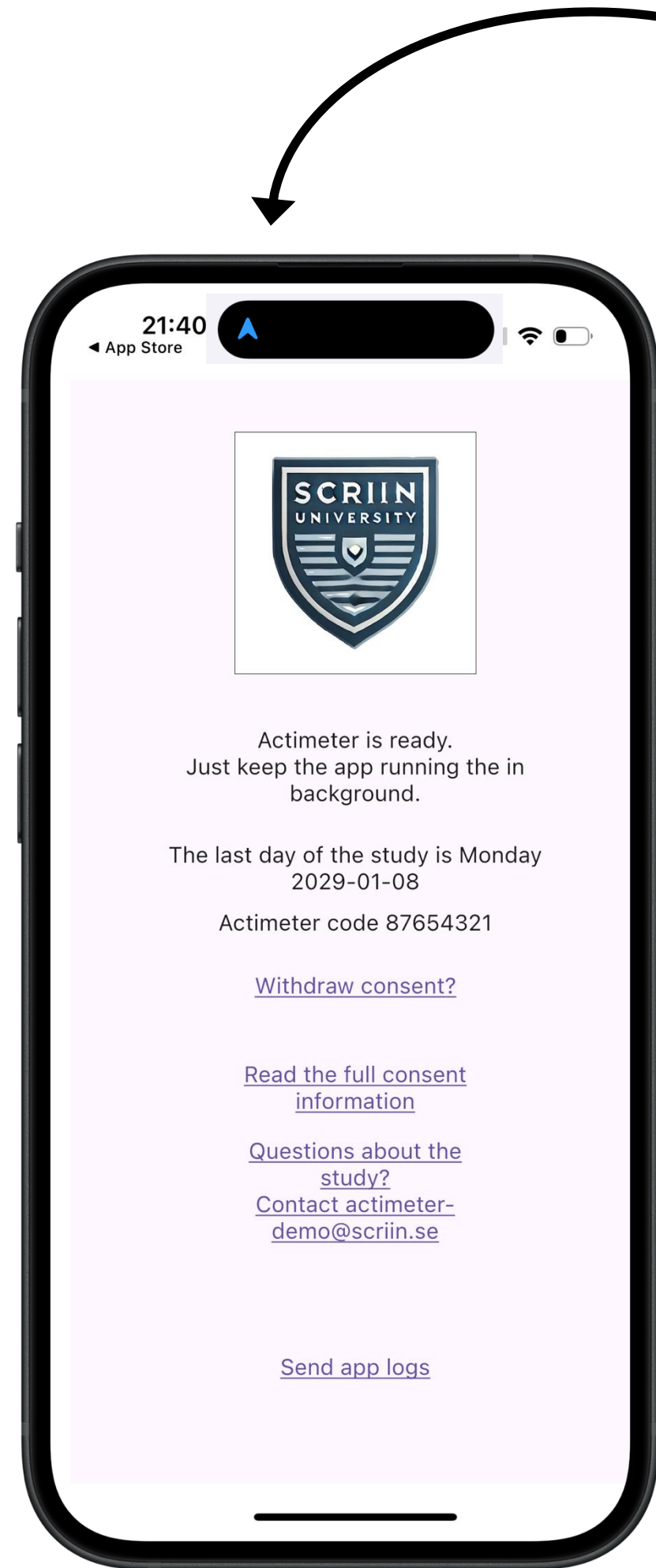
Onboarding – Location access



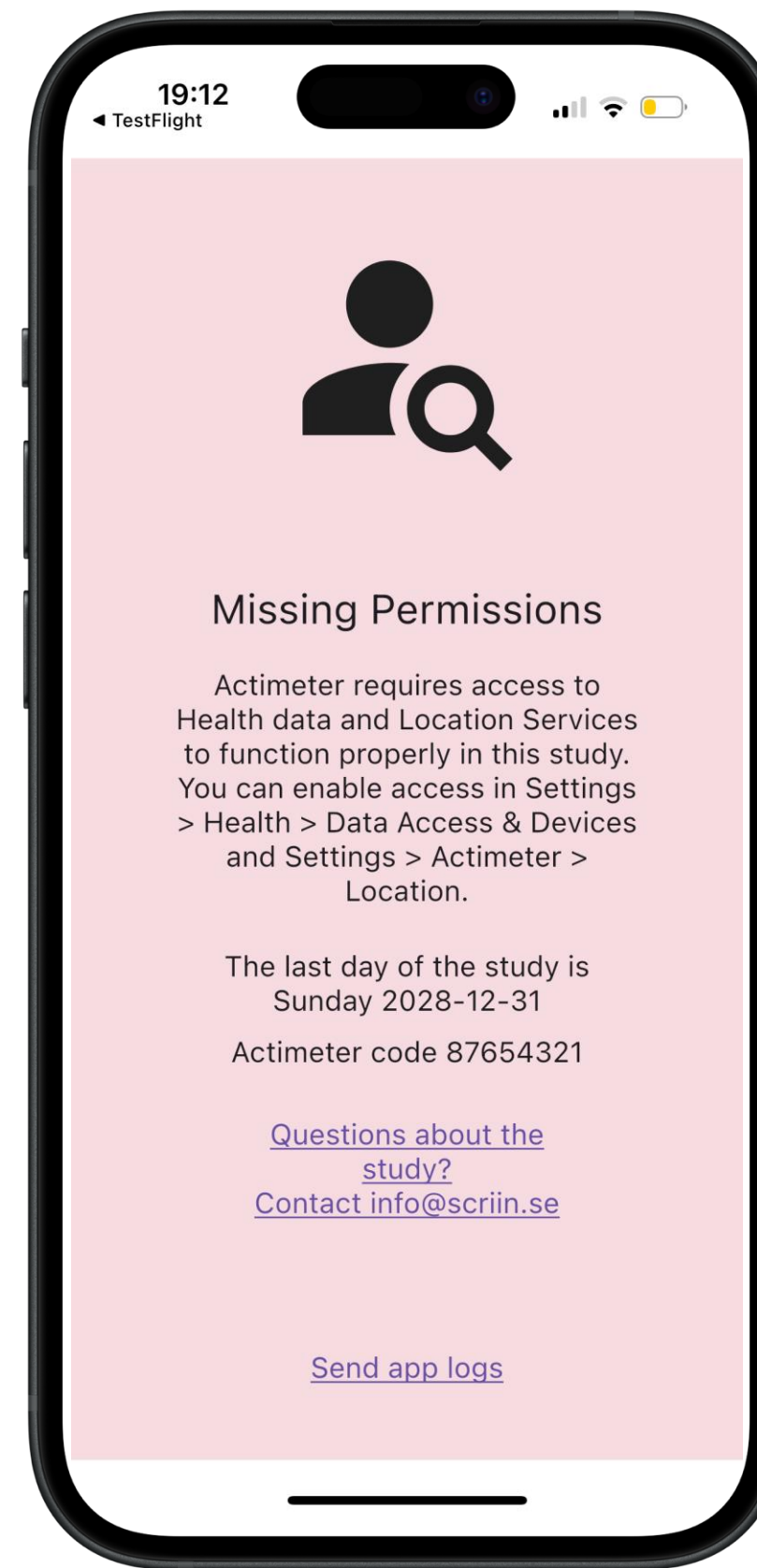
Customizable items:

- Title
- Description

After onboarding is complete



The blue symbol at the top confirms that the app is running with location permissions.



If the participant has not granted the required permissions, this screen will appear with instructions on how to enable them.

The SCRIN activity tracker

- Step tracker based on advanced accelerometer technology.
- Compact and lightweight – can be worn on the hip, in a pocket, or on a lanyard.
- Connects to the Actimeter app via Bluetooth.
- Features four LEDs that display progress toward a customizable activity goal (can also be turned off).
- Measures moderate-to-vigorous physical activity (MVPA) as minutes exceeding a defined steps-per-minute threshold (minimum epoch length: 10 seconds).
- Price: €40



Would you like to know more about Actimeter?

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