**MobilES Project: Using mobile-phone technology to capture ecosystem service information**

[**www.msds.tools**](http://www.msds.tools)

Thank you for your interest in the project. This document covers an outline of the research being conducted, information you need prior to participating in the project and contact details should you have any queries.

**Project summary:**

We are interested in people’s use of nature to benefit themselves and their households (both directly and indirectly). We are conducting surveys through mobile phones to understand who uses nature’s benefits, how and why they use it, when they use it and where they use it most. We hope to have participants from two locations in Cambodia: Phnom Penh as our urban case study and Preah Vihear as a rural case study. The participants will become our citizen scientists and collect the data via an app, or by receiving phone calls, though the information they provide will be kept strictly confidential (as outlined below). We hope that the data generated will enable us to create a map of the most important places in these regions to the local people, and understand what problems people face in maximising their benefits from nature. The project will take 12 months to complete, with participants receiving small data and talk-time for weekly participation as well as building up credit to ultimately own the phone once the survey is complete (details below).

**Project partners:**

This research is being funded by the European Social Research Council (ESRC) and involves researchers in the UK, USA and Cambodia. The institutions involved in the project are: Bangor University (BU), UK; New York University (NYU), USA; and Society for Community Development in Cambodia (SOFDEC). The project is led by Dr. Simon Wilcock at Bangor University and can be contacted at s.willcock@bangor.ac.uk.

**Compensation:**

The project will include multiple short tasks each week. Each task will have a set number of points. These points build up and each week you will be given data and talk time corresponding to the number of tasks you have completed that week. It is important to remember that you will not be penalised for failing to complete a task. You can gain the credits later by participating as much as possible in all remaining tasks. Each task completed credit will also gain credit towards owning the phone at the end of the year, when the project is completed.

**Dataset Name**

MobilES\_dataset\_2020.xls

**Creator Contact Details**

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| **CONTENTS** |  |
|  |  |
| Sheet name | Description |
| Summary | This sheet |
| Contact details | Authors contact details |
| Project info | A brief outline of the MobilES project. |
| Metadata | Summary statistics |
| Data | **\*\*\*\*These data have not been fully anonymised. They still contain Household location Data. DO NOT SHARE\*\*\***\* Results of the MobilES survey from 2019 to 2020. Participant names have been removed. Unique ID has been prescribed using imei values and participant names have been removed. Household location with respect to protected areas have been calculated using QGIS and based on the WCS protected area shapefile.. Duplicates were removed. |
| Survey\_Schedule | Dates of each survey task deployment from server |
| The remaining tabs relate to the ODK code | |
| Food | Survey tasks (and alternatives such as baseline or endline version) are presented in the remaining tabs. These represent the ODK code (in English and Khmer) with suffix "survey" as well as the menu options, suffix "choices". Free test tabs have not currently been translated. |
| Cultural |
| Water |
| Wildgoods |
| Wellbeing |
| Demographics |
| Income |
| Poverty |
| Project impact |
| Natural Hazards |
| Journey aesthetics |
| Journey home |
| Journey land |
| Journey market |
| Journey recreation |
| Journey spiritual |
| Journey water |
| Journey wildgoods |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **METADATA**  A total of 3965 completed tasks after cleaning |  |  |  |  |  |  |  |
| A total of 124 unique participants to 1/10/2020 (based on imei) | |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| Task | Task variations | Repetition | Number of completed weeks | Number of completed tasks (to 1/10/2020) | Mean number per week (including start and end lags) | Number of unique participants | Mean completed tasks per participant |
| Food | Baseline, endline, photos | Weekly | 51 | 574 | 11.25 | 100 | 6 |
| Cultural | Baseline, endline, photos | Weekly | 46 | 592 | 12.87 | 98 | 6 |
| Water | Baseline, endline, photos | Weekly | 46 | 547 | 11.89 | 98 | 6 |
| Wildgoods | Baseline, endline, photos | Weekly | 47 | 524 | 11.15 | 93 | 6 |
| Wellbeing | None | Weekly | 49 | 485 | 9.90 | 90 | 5 |
| Demographics | None | Three times | NA | 181 | NA | 104 | 2 |
| Income | None | Monthly | NA | 248 | NA | 98 | 3 |
| Poverty | None | Three times | NA | 47 | NA | 39 | 1 |
| Project impact | None | Twice | NA | 35 | NA | 32 | 1 |
| Natural Hazards | None | Once | NA | 99 | NA | 100 | 1 |
| Location aesthetics | None | Once | NA | 72 | NA | 72 | 1 |
| Location home | None | Once | NA | 81 | NA | 89 | 1 |
| Location land | None | Once | NA | 79 | NA | 80 | 1 |
| Location market | None | Once | NA | 84 | NA | 85 | 1 |
| Location recreation | None | Once | NA | 81 | NA | 84 | 1 |
| Location spiritual | None | Once | NA | 73 | NA | 73 | 1 |
| Location water | None | Once | NA | 96 | NA | 97 | 1 |
| Location wildgoods | None | Once | NA | 67 | NA | 68 | 1 |