

SOURCE™

Software Outreach and Redefinition to Collect E-data
Through MOTUS

Evaluation Questionnaire

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Evaluation Questionnaire

1.1 BLOCK 1: Demographic and contact information

Start (static)

This evaluation evaluates the front-office of MOTUS. This is the application that respondents see and use.

The Evaluation Questionnaire is organized into several blocks. In comparison to the other tasks, the answers of the Evaluation Questionnaire will be used for further analysis.

There are no right or wrong answers.

It is important to keep in mind that the entire setup is based on the settings and parameters in the MOTUS back-office defined by researchers.

The back-office itself is highly modular and customizable and can be adjusted for a wide range of research questions.

Number	Question	Modality
1	What is your age?	Numeric
2	What is your gender?	Select 1. Man 2. Woman 3. Undefined
3	For which institution do you work? Please include your country as well.	Short text
4	In which country is your institution based?	Short text
5	What is your role in this institution?	Short text
6	Are you familiar with Time-Use Research?	1. Yes, quite much 2. Yes, rather average 3. Yes, rather limited 4. No
7	Can we contact you in case of further questions? If yes, please provide your email address.	Email address - box

1.2 BLOCK 2: Modalities of the application

Number	Question	Modality
8	How well do you think you understand the modular idea of the MOTUS application?	Rating 1-5
9	Did you download the MOTUS mobile application from the app stores?	1. iOS app store 2. Android app store 99. No
10	Did you use the MOTUS web application via a browser (www.motusresearch.io)?	1. Yes 2. No
11	Which browser(s) did you use to test the MOTUS application?	1. Google Chrome 2. Safari 3. Firefox 4. Opera 5. Edge 6. Internet Explorer 99. Other
12	Did you test both the web and mobile application?	1. Yes 2. No
13	In which language did you test the application?	1. English (default language) 2. French 3. Dutch 4. German

1.3 BLOCK 3: The content of the application

Introduction (Static)

The quality of an application can be evaluated on the basis of three criteria: the **content** of the application, the **design** of the application and the **technical components** of the application.

The content of the application is based on the HETUS-guidelines.

The design and technical capacities of the application are development decisions and have an impact on the way the content is shown to the respondent.

In the next questions, we would like to hear your opinion on each of these three aspects.

Number	Question	Modality
Remarks can be both positive and negative		
14	Do you have any remarks about the content of the household survey?	Short text
15	Do you have any remarks about the content of the individual survey?	Short text
16	Do you have any remarks about the content of the Activity Classification List (ACL)? Do you miss activities? Are the activities well described?	Short text
17	Do you have remarks about the content of the extra (context) questions?	Short text
18	The test MOTUS application included no extra support information (e.g. guidelines, extra pages etc...). If there would be extra information necessary, where would you prefer to find this extra information?	Multi select 1. In the recruitment materials 2. In the task overview 3. Via series of screens the show the basics of the application 4. In the menu 5. Via pop-ups 6. Via a FAQ-section 7. On a related website 8. Via an e-mail 99. Other (Please describe)
19	Overall, how would you rate the content of the test application?	Rating 1-5
20	What are the weaker points related to the content of the test application?	Short text
21	What are the stronger points related to the content of the test application?	Short text
22	Is there any other advice you could give about the content of the test application?	Short text

1.4 BLOCK 4: The design of the application

With these questions, we want to learn more about how the design facilitates or hinders the user-friendliness of the app. Please note that these questions are not about the colors, background visualizations and NSI specific designs of the app.

Number	Question	Modality
Remarks can be both positive and negative.		
23	Do you have any remarks about the questionnaire design related to...: Select if yes.	Multi select <ul style="list-style-type: none"> - The font? - The font size? - The size of the response boxes? - The indication of an answer (bullet, checkmark, ...)? - The progress buttons? - Other?
24	Please describe your remarks on the font?	Short text
25	Please describe your remarks on the font?	Short text
26	Please describe your remarks on the font size?	Short text
27	Please describe your remarks on the size of the response boxes?	Short text
28	Please describe your remarks on the indication of an answer?	Short text
29	Please describe your remarks on the progress buttons?	Short text
30	Please describe your other remarks about the questionnaire design?	Short text
31	Do you have any remarks about the time diary design related to ...? Select if yes.	Multi select <ul style="list-style-type: none"> - The timeline - The registration of an activity - The extra (context) questions - The summary of an activity - Other
32	Please describe your remarks on the timeline?	Short text
33	Please describe your remarks on the registration of an activity?	Short text
34	Please describe your remarks on the extra context questions?	Short text
35	Please describe your remarks on the summary of an activity?	Short text
36	Please describe your other remarks about the time diary design?	Short text
37	MOTUS has a responsive design for the web application. Did you test the web app on the responsiveness of MOTUS?	Select <ol style="list-style-type: none"> 1. Yes 2. No
38	Do you have any remarks on the responsiveness of MOTUS?	Short text
39	Overall, how would you rate the design of the application?	Rating 1-5
40	What are the weaker points related to the design of the application?	Short text
41	What are the stronger points related to the design of the application?	Short text
42	Is there any other advice you could give about the design of the application?	Short text

1.5 BLOCK 5: Functionality of the application

Introduction (Static)

A next evaluation point are **the technical aspects** of the application.

The technicality of an app can be understood in various ways. This evaluation questionnaire asks you questions about the:

- functionality,
- usability,
- compatibility,
- performance and
- privacy of the MOTUS application.

One block will address the functionality, another block addresses the other criteria.

For every criteria the questionnaire asks if you experienced difficulties with an aspect. At the end of the block the aspects can be rated.

Number	Question	Modality
Static The following screens will ask you questions about the functionality of the application. In total 13 functionalities will be presented to you. Remarks can be both positive and negative.		
43	Did the app crash?	Select 1. Yes 2. No
	Could you tell us more about the failure?	Short text
44	About finding the application (Functionality 1). Did you have difficulties... with the MOTUS application? Select if yes.	Multi select 1. No 2. Downloading the mobile application from the iOS and/or Android store 3. Going to the MOTUS web page (www.motusresearch.io)
45	Do you have any remarks about downloading the MOTUS mobile application?	Short text
46	Do you have any remarks about going to the MOTUS web application?	Short text
47	About the login process (Functionality 2). Did you have difficulties to login to the MOTUS application?	Select 1. Yes 2. No
48	Do you have any remarks about the login process of the MOTUS application?	Short text
49	About the task functionality (Functionality 3). Did you have difficulties to go from task to task within the MOTUS application (e.g. filling out a questionnaire first, then filling in a time diary, then going back to a questionnaire...)?	Select 1. Yes 2. No
50	Do you have any remarks about the task functionality of the MOTUS application?	Short text
51	About the partial completion (Functionality 4). MOTUS supports partial completion. Did you have	Select 1. Yes 2. No

	difficulties to log out/login and continue with the MOTUS application?	99. Did not test this element
52	Do you have any remarks about the partial completion process of the MOTUS application?	Short text
53	About the synchronization of input (Functionality 5). MOTUS supports synchronization to provide the most recent information available to all devices of the respondent. Did you have difficulties with the synchronization of the MOTUS application?	Select 1. Yes 2. No 99. Did not test this element
54	Do you have any remarks about the synchronization process of the MOTUS application?	Short text
55	About the offline usage (Functionality 6). The MOTUS mobile application can be used offline. Did you have difficulties with the offline mode of the MOTUS application?	Select 1. Yes 2. No 99. Did not test this element
56	Do you have any remarks about the offline mode of the MOTUS application?	Short text
57	About the language toggle (Functionality 7). MOTUS enables the respondent to switch between the available languages. Did you have difficulties with changing languages within the MOTUS application?	Select 1. Yes 2. No 99. Did not test this element
58	Do you have any remarks about the language functionality of the MOTUS application?	Short text
59	About the questionnaires (Functionality 8). Did you have difficulties with any of the following questionnaire functionalities of the MOTUS application? Select if yes.	Multi select 1. No 2. Answering questions 3. Routing , guidance through the questionnaire 4. Progress buttons (previous, next...) 99. Other
60	Do you have any remarks on the questionnaire functionality of the MOTUS application?	Short text
61	About the time diary (Functionality 9). Did you have difficulties with any of the following time diary functionalities of the MOTUS application? Select if yes.	Multi select 1. No 2. The timeline 3. The registration of an activity 4. The extra (context) questions 5. The summary of an activity 99. Other
62	Do you have any remarks on the time diary functionalities of the MOTUS application?	Short text
63	About the registration mode (Functionality 10). MOTUS has a number of (combined) registration modes for the time diary that can be used? Did you have any difficulties with one of the following modes. Select if yes.	Multi select 1. No 2. Define time up to the minute 3. Define the time of an ongoing activity 4. Select an activity via a 3-

		<p>level structure</p> <p>5. Select an activity via a search on tags</p> <p>6. Select an activity via a favorite list</p> <p>7. Type in an open activity</p> <p>99. Other</p>
64	Do you have any remarks on the registration modes of the time diary of the MOTUS application?	Short text
65	About the functionality of the additional context questions (Functionality 11). MOTUS shows different context questions for different activities. In this test, there was a difference between the context questions between travel and non-travel activities. Did you have difficulties with the additional context questions in the MOTUS application?	<p>Select</p> <p>1. Yes</p> <p>2. No</p>
66	Do you have any remarks about the functionality of the additional context questions of the MOTUS application?	Short text
67	About the change/adaptation of input (Functionality 12). MOTUS makes it possible to change/adapt input. Did you have difficulties to change or adapt input in the MOTUS application?	<p>Select</p> <p>1. Yes</p> <p>2. No</p> <p>99. Did not test this element</p>
68	Do you have any remarks about change/adapt functionality of the MOTUS application?	Short text
69	About the support functionality (Functionality 13). MOTUS shows warnings to the respondent. Did you have difficulties with the warnings in the MOTUS application?	<p>Select</p> <p>1. Yes</p> <p>2. No</p>
70	Do you have any remarks about support functionality of the MOTUS application?	Short text
71	About the finalize functionality (Functionality 14). MOTUS informs the respondent when the task is ready to complete. Did you have difficulties with...? Select if yes.	<p>Select</p> <p>1. No</p> <p>2. Ending the questionnaire</p> <p>3. Ending the time diary</p>
72	Do you have any remarks about the finalize functionality of the MOTUS application?	Short text
73	<p>How would you rate the different functionalities of the test application?</p> <ul style="list-style-type: none"> – Finding the app: downloading and going to the MOTUS-app – The login process – The task functionality: going from task to task – <the partial completion process: logging out and resuming the research without a loss of data – The synchronization of input: synchronization of data on different devices – The offline usage of the app – The language toggle: the ability to witch between languages – The questionnaire functionality – The time diary functionality 	Rating 1-5

	<ul style="list-style-type: none"> - The different registration modes to register an activity - The function to add different context questions - The ability to change and adapt your input - The warning functionality - The finalization functionality: ending a questionnaire and time diary 	
74	Overall, how would you rate the <u>functionality</u> of the test application?	Rating 1-5
75	What are the weaker points related to the <u>functionality</u> of the test application?	Short text
76	What are the stronger points related to the <u>functionality</u> of the test application?	Short text
77	Is there any other advice you could give about the <u>functionality</u> of the test application?	Short text

1.6 BLOCK 6: Usability, accessibility, comparability, the performance and the privacy of the application

Number	Question	Modality
<p>Static</p> <p>The following screens will ask you questions about the:</p> <ul style="list-style-type: none"> - usability, - accessibility, - comparability, - the performance and - privacy of the application. <p>In total 23 questions will be presented to you.</p> <p>Remarks can be both positive and negative.</p>		
78	About the clarity of use (usability 1). MOTUS strives to enable using the app without too many instructions. Did you have difficulties to use the app without instructions?	Select 1. Yes 2. No
79	Do you have any remarks about the ease of use of the MOTUS application?	Short text
80	About the accessibility (accessibility 1). MOTUS strives to have a simple logic that is usable and understandable for a broad public. Do you foresee any difficulties for the use of the app for a specific group in our society? Select if yes.	Multi select 1. No 2. Older people 3. Younger people 4. Lower educated people 5. Higher educated people 6. Disabled people 7. Speakers of other languages 99. Other
81	Do you have any remarks about how MOTUS is available to all groups of people?	Short text
82	About the learning curve to use the app (accessibility 2). MOTUS is based on the trial-and-error principle. Do you find it easy to play and learn?	Select 1. Yes 2. No
83	Do you have any remarks about the learning curve of the MOTUS-app?	Short text
84	About the compatibility web and mobile (compatibility 1). MOTUS is available through both web and mobile application. Did you find both the web app and mobile app compatible?	Select 1. Yes 2. No 99. Did not test this element
85	Do you have any remarks about the compatibility of the web app and the mobile app?	Short text
86	About the compatibility between mobile devices (compatibility 2). MOTUS is available for iOS and Android, over a various range of platform versions and between different types of Smartphones. Did you experience any problems between platform versions and Smartphones?	Select 1. Yes 2. No 99. Did not test this element
87	Do you have any remarks about the compatibility of platform versions and Smartphones of MOTUS?	Short text
88	About the compatibility between web browsers (compatibility 3). MOTUS is available for all (updated	Select 1. Yes

	and functional) browsers. Did you found any problems with running the web app in a browser?	2. No 99. Did not test this element
89	Do you have any remarks about running MOTUS in a web browser?	Short text
90	About the speed of application (performance 1). Did you experience any problems with the speed with which MOTUS works?	Select 1. No 2. Yes, with the web app 3. Yes, with the mobile app
91	Do you have any remarks about the speed of the application?	Short text
92	About the battery use of application (performance 2). Did you experience an increase of battery-use when using the MOTUS application on your device?	Select 1. No 2. Yes, for the web app 3. Yes, for the mobile app
93	Do you have any remarks about the battery use of the application?	Short text
94	About the security of the application (security 1). MOTUS uses identical unifiers in to log and process the data. During the data collection, MOTUS does not keep data in local storages, except data that has been logged offline. Once the data is sent over to the server, the locally stored data is deleted. Did you found any problems concerning privacy related to... ?	1. No 2. Login 3. Personal menu 4. Data collection processing 99. Other
95	Do you have any remarks about privacy issues using the MOTUS application?	Short text
96	How would you rate the <u>usability, accessibility, compatibility, performance and privacy</u> of the test application? – The ease of use – The accessibility of the app to all groups of people in society (older people, disabled people etc.) – The learning curve of the app: how easy it is to use to app without a lot of instructions – The compatibility between the web app and the mobile app – The compatibility between different platforms (iOS, Android...) and devices – The functioning of the app in different web browsers – The speed of the app – The battery-use of the app – The security of the app	Rating 1-5
97	Overall, how would you rate the <u>usability, accessibility, compatibility, performance and privacy</u> of the test application?	Rating 1-5
98	What are the weaker points related to the <u>usability, accessibility, compatibility, performance and privacy</u> of the test application?	Short text
99	What are the stronger points related to the <u>usability, accessibility, compatibility, performance and privacy</u> of the test application?	Short text
100	Is there any other advice you could give about the <u>usability, accessibility, compatibility, performance and privacy</u> of the test application?	Short text

1.7 [BLOCK 7: The future](#)

Number	Question	Modality
Static The following screens will ask you questions about the future. Remarks can be both positive and negative.		
101	Due to the setup of MOTUS, personal data can be provided to MOTUS in different ways. What is your opinion on gathering data through... <ul style="list-style-type: none"> – Consulting administrative data (e.g. information from the National Register) – Earlier research input of the respondent – Passive data registration via sensors (e.g. your location tracked via the GPS on your phone) 	Rate 1 to 5
102	MOTUS aims to include internal as well as external information, and to show all the information to the respondent to be approved or adapted. The respondent has control over their own data. Would you be for or against a central position of the respondent where they are in control over their own data?:	Rate 1 to 5
103	Do you have any remarks about future possibilities?	Long text

1.8 BLOCK 8: General questions and ratings

Static		
The last part of the survey involves some general questions and ratings. Remarks can be both positive and negative.		
104	How would you rate the MOTUS mobile application?	Rate 1 to 5
105	How would you rate the MOTUS web application?	Rate 1 to 5
106	How would you rate the MOTUS application overall?	Rate 1 to 5
107	How likely do you think the MOTUS-app could be used as a platform to collect official statistics on an European or international level?	Rate 1 to 5
108	Can you give more detail to your answer to include/not include MOTUS on an European or international level?	Long text
109	Is there anything else you would like to share with us about the app?	Short text

Static

We appreciate your help to improve MOTUS and to better capture official statistics.

Press send to end this evaluation questionnaire.