**Breakout Session Worksheet**

*(****User Tests During Covid) Please email completed forms to*** [***nmurray@ait.ie***](mailto:nmurray@ait.ie)

### Breakout Room 4

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| Task 1: Select a session chair & rapporteur |
| Group #: 4  Chair: Ioannis Katsavounidis |
| Raconteur: Ioannis Katsavounidis |
| List all other group members (and email): Florence, Jakub jnawala@agh.edu.pl, Marta, Shirin |
| Task 2: Discuss the Top Three ‘Blocking Points’ for researchers faced by those in this group? Capture as bullets below. |
| #1: Florence: proper scheduling of testing, avoid overlap |
| #2: Jakub: didn’t run experiments, switched to crowdsourcing |
| #3: Jakub: need special permission to run experiments. Too much red tape (one permit per participant).  #4:participants / users might not report fully issues that exist (technically, environment based)  #5: |
| Task 3: Discuss some potential solutions (and who) that can help with un-blocking these challenges? Up to 3 Suggestions. |
| #1: Plexi glass from floor up to the ceiling (?) |
| #2: Use the hotel or dormitory to create the so called “bubble” |
| #3: Switch to crowdsourcing |
| Task 4: Discuss if additional resources or equipment/software/technology could help overcome your Blocking Points? Capture any ‘proposals’ here. |
| #1: More reliable environment in crowdsourcing experiments - more consistency. |
| #2:  #3: |
| Task 5: Discuss ‘Innovations’ that some from your group would like to work on with others to solve Blocking Points? Detail with Name of proposer(s) |
| #1:More reliable environment in crowdsourcing experiments - more consistency - how? |
| #2: more reliability in the response.  #3: |

**Other info/notes are welcome here**

**Room number 2**

**Breakout Session Worksheet**

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| Task 1: Select a session chair & rapporteur |
| Group #: 2  Chair: Maria Martini |
| Raconteur: Maria Martini (m.martini@kingston.ac.uk) |
| List all other group members (and email): Margaret Pinson <MPinson@ntia.gov>, Saman Zadtootaghaj saman.zadtootaghaj@qu.tu-berlin.de, Babak Naderi, Kamil Koniuch ([koniuch@agh.edu.pl](mailto:koniuch@agh.edu.pl)) |
| Task 2: Discuss the Top Three ‘Blocking Points’ for researchers faced by those in this group? Capture as bullets below. |
| #1: Administrative (management constraints on allowed activities, limitations on who can enter the test facility) |
| #2: Technical + adm (no windows in room typically used for tests, hence constraints on using it) |
| #3: Lots of unknowns and no specific recommendation (we solved it by the QUL Manual)  #4: Risk of using HMD devices due to close contact  #5: Interviews flow disturbed by precautions (masks, glass e.t.c) |
| Task 3: Discuss some potential solutions (and who) that can help with un-blocking these challenges? Up to 3 Suggestions. |
| #1: Use coworkers as subjects, using home equipment (inferior demographics but enables testing, diverse displays) |
| #2: QUL Manual on how to do it and agree with university |
| #3:Crowdsourcing |
| Task 4: Discuss if additional resources or equipment/software/technology could help overcome your Blocking Points? Capture any ‘proposals’ here. |
| #1: Room with different size/window/configuration |
| #2: Multiple devices instead of only cleaning them  #3: |
| Task 5: Discuss ‘Innovations’ that some from your group would like to work on with others to solve Blocking Points? Detail with Name of proposer(s) |
| #1: Crowdsourcing |
| #2: Enable joint tests within VQEG  #3: |

**Room number 3**

**Breakout Session Worksheet**

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| Task 1: Select a session chair & rapporteur |
| Group #: 3  Chair: Ludovic Malfait |
| Raconteur: David Lindero |
| List all other group members (and email): David Lindero (david.lindero@ericsson.com), Stephan Fremerey, Ludovic Malfait (ludovic.malfait@dolby.com), Alexander Raake (alexander.raake@tu-ilmenau.de) |
| Task 2: Discuss the Top Three ‘Blocking Points’ for researchers faced by those in this group? Capture as bullets below. |
| #1: Lockdown not even allowing any tests. |
| #2: Super slow administration, if tests can happen |
| #3: Uncertainty whether the security method used is going to reduce infection risk low enough. HMD-based user tests and specific requirements. Who's to blame. |
| Task 3: Discuss some potential solutions (and who) that can help with un-blocking these challenges? Up to 3 Suggestions. |
| #1: Vaccine and generally declining numbers |
| #2: Crowd-tests. Questionable especially for high-resolution formats, lots of data to be downloaded (e.g. 4K etc.). Or specifically remote tests with dedicated setups that enable lab-like results (not feasible for “poorer” research labs when high-end equipment is needed in many instances). |
| #3: Common regulation world-wide on these semi-“official” gatherings. |
| Task 4: Discuss if additional resources or equipment/software/technology could help overcome your Blocking Points? Capture any ‘proposals’ here. |
| #1: See above, especially equipped testing rooms with “golden eye” / “golden ear” subjects such as employees. Give out HMDs / headphones etc. that people use in their homes. (big adv - send wearable sensors etc., more control of the env.) |
| #2: Use special hardware like e.g. air-purifiers while doing tests.  #3: Faster testing for covid (if getting reliable (!) result within 1 hour, enabling test-subject screening); |
| Task 5: Discuss ‘Innovations’ that some from your group would like to work on with others to solve Blocking Points? Detail with Name of proposer(s) |
| #1: Comparison of lab and crowd tests for specific formats (validating the crowd approach in advance). Need collaboration partners from lab who have lab test data available and groups that are affine and quick in crowd tests. Ideally cross-lab comparisons desirable. |
| #2: Capture environment in crowd tests in standardized manner so as to ensure benchmarking of room and investigate the possible context influencing factors  #3: Audiovisual media based cure of Covid-19 |

**Room number 5**

**Breakout Session Worksheet**

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| Task 1: Select a session chair & rapporteur |
| Group #: 5  Chair: Mikołaj Leszczuk (AGH) |
| Raconteur: Mikołaj Leszczuk (AGH) |
| List all other group members (and email):  Ashutosh Singla, [Ashutosh.Singla@tu-ilmenau.de](mailto:Ashutosh.Singla@tu-ilmenau.de)  Lukáš Krasula, [l.krasula@gmail.com](mailto:l.krasula@gmail.com)  Dawid Juszka, [juszka@agh.edu.pl](mailto:juszka@agh.edu.pl)  Natalia Cieplińska, [cieplins@agh.edu.pl](mailto:cieplins@agh.edu.pl)  Enrico Masala, [enrico.masala@polito.it](mailto:enrico.masala@polito.it)  Mikołaj Leszczuk, [leszczuk@agh.edu.pl](mailto:leszczuk@agh.edu.pl) |
| Task 2: Discuss the Top Three ‘Blocking Points’ for researchers faced by those in this group? Capture as bullets below. |
| #1: Super slow administration |
| #2: No trust in testers (use of lab staff) |
| #3: “I just haven't had the chance yet” |
| Task 3: Discuss some potential solutions (and who) that can help with un-blocking these challenges? Up to 3 Suggestions. |
| #1: Issuing full suits (protective gear) to testers |
| #2: Having an application that will track contacts |
| #3: Only vaccinated people are allowed to take part in a testing (which, however, may disturb/bias the test group)  #4: Switching to crowdsourcing |
| Task 4: Discuss if additional resources or equipment/software/technology could help overcome your Blocking Points? Capture any ‘proposals’ here. |
| #1: Coronavirus Rapid Tests |
| #2: Ozonation of rooms  #3: |
| Task 5: Discuss ‘Innovations’ that some from your group would like to work on with others to solve Blocking Points? Detail with Name of the proposer(s) |
| #1: Make crowdsourcing testing more credible (Lukáš, Enrico) - middle ground between crowdsourcing + lab tests - e.g. confident in adherence to particular steps…  common platform to start the experiments - a streamlined method to crowdsourcing. |
| #2: Being prepared that this is not the last pandemic (Dawid)  #3: |

### Breakout Room Lucjan

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| Task 1: Select a session chair & rapporteur |
| Group #: 1  Chair: Lucjan Janowski [ljanowsk@agh.edu.pl](mailto:ljanowsk@agh.edu.pl) |
| Raconteur: Lucjan |
| List all other group members (and email): Anne-Flore, Kjell Brunnström (kjell.brunnstrom@ri.se), Zhi, Lu |
| Task 2: Discuss the Top Three ‘Blocking Points’ for researchers faced by those in this group? Capture as bullets below. |
| #1: Slow administration |
| #2: Increased time for running and cleaning tests |
| #3: New material (gel, cleaning, etc.)  #4: We have to wait for them, they cannot queue  #5: |
| Task 3: Discuss some potential solutions (and who) that can help with un-blocking these challenges? Up to 3 Suggestions. |
| #1: on-line - closer to the lab but online tests? so you have a video call with them as they are doing the test. inform them on how to set up the env, and the device e.g. this is possibly with quest 2 e.g. look for users who have it ( novelty affect removed, they are also genuinely interested) - move the lab -> home as much as possible. |
| #2: Move the test to the subject home |
| #3:Something between crowdsource and lab (lab at home) |
| Task 4: Discuss if additional resources or equipment/software/technology could help overcome your Blocking Points? Capture any ‘proposals’ here. |
| #1: |
| #2:  #3: |
| Task 5: Discuss ‘Innovations’ that some from your group would like to work on with others to solve Blocking Points? Detail with Name of proposer(s) |
| #1: |
| #2:  #3: |

**one thing would be very helpful - if companies share the data!**

**we have shifted attention to analysing the results but companies can share the data in ways that benefit them also**