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## **PARTICIPANT INFORMATION SHEET**

### **Fog Detector – An experiment to measure the loss of self-consciousness during cartographic navigation**

*We'd like to invite you to take part in our research study. Before you decide, it is important that you understand why the research is being done and what it would involve for you. Please take time to read this information, and discuss it with others if you wish. If there is anything that is not clear, or if you would like more information, please contact us by email.*

#### **What is the purpose of the study?**

When exploring and navigating into a zoomable interactive map, either on a computer screen or a smartphone, we all experience moments of disorientation, when we do not know exactly where we are. This phenomenon, called the *desert fog*, is well not studied and understood. The purpose of this research is to study how much people can be lost when exploring an interactive map, to better understand this desert fog phenomenon.

#### **Why have I been invited?**

Several professional mailing lists have been used to recruit voluntary participants, and you have been invited because you are registered to one of these mailing lists.

#### **Do I have to take part?**

No, there is no obligation, taking part of the survey is entirely voluntary.  
You can withdraw if you later change your mind, during the survey, without giving a reason.

#### **What will happen to me if I decide to take part?**

You will be asked several memorization tasks in maps: you will have memorize a target location in a map, and then, find this location back after several displacements, including zooms, in the map.

#### **What should I consider?**

You will need to conduct this survey on a computer screen with an internet connection, please, do not use a smartphone, or a tablet.

### **Are there any possible disadvantages or risks from taking part?**

There is no risk from taking part of this survey. However, as you are about to explore interactive maps, you might experience disorientation, but it is the only possible discomfort you might experience during the survey.

### **What are the possible benefits of taking part?**

There is no direct benefit of taking part of this survey, despite a better understanding of the challenges of research on interactive multi-scale cartography.

The researchers organising this survey do not know what the outcome will be, and this is why we are conducting the research.

### **Will my taking part in the study be kept confidential?**

Your answers to the survey will be completely anonymised, no personal data (e-mail address, name, etc.) will be asked nor stored, and the demographic information (age, gender, experience with maps) will be anonymised to make sure re-identification is not possible.

Responsible members of the IGN may be given access to data for monitoring and/or audit of the study to ensure that the research is complying with applicable regulations.

### **Will I be reimbursed for taking part?**

There will be no reimbursement for taking part of the survey, which should take 30 min maximum of your time.

### **What will happen to my data?**

Data protection regulation requires that we state the legal basis for processing information about you. In the case of research, this is 'a task in the public interest.' IGN, the host institution for this study, based in France, is the data controller and is responsible for looking after your information and using it properly.

We will **not** keep any identifiable information about you, or personal after the study has finished.

### **What will happen if I don't want to carry on with the study?**

If you withdraw from the study, at any stage, which is possible, we will not collect any information.

### **What will happen to the results of this study?**

You will not be identifiable from any report or publication placed in the public domain after the survey, as the data will be completely anonymized.

Based on the results of the survey we plan to:

- Publish the research findings in scientific journals;
- Present the findings at scientific conferences;
- Provide feedback of the research on the project website (<https://lostinzoom.github.io/home/>).

Some of the research being undertaken will also contribute to the fulfilment of an educational requirement (e.g. a doctoral thesis).

**Who is organising and funding the study?**

This research is organized by the members of the LostInZoom project, and this project has received funding from the European Research Council (ERC) under the European Union's Horizon 2020 research and innovation programme (grant agreement No. 101003012).

**Further information and contact details:**

Please contact Guillaume Touya by e-mail ([guillaume.touya@ign.fr](mailto:guillaume.touya@ign.fr))

*Thank you for considering taking part.*