

## **Expert Interview Question Guide**

1. Does people's ability to orient themselves suffer from the use of navigation systems, and if so, how exactly?
  - a. Can irreversible damage also result from use?
2. How bad do they think this problem is?
3. What other cognitive abilities or areas of life does a poor sense of direction affect?
4. Our interviews revealed that many people use their sat nav as a backup. Is the loss of orientation a trigger for an increased need for safety, in getting around, or is this need natural to humans?
5. Why is there such a great need to secure oneself when traveling in familiar environments?
6. How can one specifically train the sense of direction / What factors play a role in this? (Location-related vs. environment-related)
  - a. How long does it take to recover the sense of direction?
7. Route knowledge / map knowledge difference, which of these is important for orientation?
8. How can one imagine a mental map model and what role does it play in orientation?
  - a. Can you imagine a mental map model in the form of a "minimap" or
  - b. What can you tell us about landmarks?
9. How did people orient themselves in the Middle Ages?
  - a. Have you dealt with the Galileo positioning system (GNSS) in the course of your research?
10. In their opinion, what possibilities does the GNSS offer for the development of future navigation systems?
11. What should the navigation system of the future look like?