Supplemental Material for the CHI 2022 Publication:

Weizhou Luo, Anke Lehmann, Hjalmar Widengren, and Raimund Dachselt. 2022. Where Should We Put It? Layout and Placement Strategies of Documents in Augmented Reality for Collaborative Sensemaking. In CHI Conference on Human Factors in Computing Systems (CHI '22), April 29-May 5, 2022, New Orleans, LA, USA. ACM, New York, NY, USA, 16 pages https://doi.org/10.1145/3491102.35019

Protocol of Semi-structured Interview

(Material presented in this PDF is also available on the project's website: https://imld.de/ARideas)

Date, Time:			
U1 - Subject ID:	U2 -Subject ID:		
Condition/Session order: 1)	2)	3)	

Post-Study Questionnaire "AR Sensemaking" / Interview questions

General/Usability Questions:

- 1. Do you need to layout or classify your documents or images in daily life or work?
- 2. What is your **general impression** of using AR to arrange and classify documents?

Classification/ Workflow

- 1. How did you proceed with your task? Were there different work phases/ stages?
- 2. Was there a difference between the conditions (individual vs. collaboration)?

Spatiality and Placements

- 1. What was your general impression of working with/placing the documents?
- 2. Did you ever use the **spatial relationship between the documents** to represent the classified groups (e.g. between groups and within groups)?
- 3. Did you use the **size** of the image for classification?
- 4. Was there a difference between the conditions (individual vs. collaboration)?

Physical Surrounding

- 1. How did you **feel/ perceive** the furniture in the environment?
- 2. How did you **use the environment** (e.g., walls, tables, floor) for the documents? (e.g., placing; distributing; and grouping)
- 3. Did you consider or perform any placements based on reality/ environments?
- 4. Were there any **locations** in the room **that felt particularly natural** for placing your categories? Which ones, and why?
- 5. Did the physical surroundings **influence the number of categories** you created? In what way?
- 6. Was there a difference between the conditions (individual vs. collaboration)?

Collaboration

- 1. What aspects did you like about working together?
- 2. What aspects did you dislike? (conflicts, frictions, problems)
- 3. Do you feel the task was easier/ enjoyable when working alone vs. working together?
- 4. (Optional) We noticed that you did (not) **exchange** many **words** with each other during this part of the session. What was the reason behind that?
- 5. (Optional) We could observe that you took on **different roles** during the collaborative task. How did this division take place?
- 6. (Optional) We could observe that you had stood over there for a while (**territorial preferences**). Could you tell us why?