







support a type of discovery and learning when it is embedded in a right kind of sociotechnical environment and collaboration context. This is in line with what existing research shows about exploratory Web search[9].

Compared to an existing tag-based exploratory system[9], Scene Memo exploits more real-world information, such as location data, to support the process to seek useful tags that fit the collected pictures.

### Conclusion and Future Work

Our case studies reinforce the argument that citizen-sensing environments must support exploratory data collection. Scene Memo is a citizen-sensing environment that is designed for exploration and uses dynamically shared tags to provide social cues in a fieldwork.

One of the limitations to the current version of Scene Memo is the unproven scalability in terms of the number of tags as well as the number of participants. Scalable support mechanisms could be designed for different kinds of exploratory tasks. Our future work includes a study in an authentic fieldwork environment as well as an extension to support sensemaking[10] in citizen sensing to enable rapid and meaningful exploration in the field.

### Acknowledgements

This research was supported by the Green Network of Excellence Program of MEXT, Japan (“Environmental Information Project”) and the Promoting Science and Technology System Reform Program of JST, Japan

(“Research and Development of Crisis Management Cloud Systems with Public and Private Cooperation”).

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