

Poster abstract:

**Automated tool for sharing experiential knowledge: the case of Human Science section in the Digital Citizen Science Center of University of Jyväskylä**

The Digital Citizen Science Centre is a multidisciplinary project that aims to develop mobile applications for the needs of different citizen science projects. It consists of four research groups from four faculties which work in collaboration with the digital services and the Centre of Open Knowledge of the University of Jyväskylä. The technology is based on a mobile application Research for JYU Mobile (RFJM).

This poster introduces the Human science section of the project which is focused on research of everyday experiences and meaningful places of nature. We will create a pilot model of an AI based and automated mobile tool for interviewing and collecting qualitative research data. We will analyze the everyday experiences and interactions with nature of different kinds, which could mean various elements and locations, such as forests, mires, plants, animals as well as urban environments such as parks etc. The application developed in the project will provide citizens with an opportunity to share their in-situ experiences of encountering nature and explore other users' experiences of different natural sites.

Our aim in the human science project is to explore how an automated tool is accepted and used by citizens and how large quantities of qualitative data could be analyzed and used in research of affective everyday experiences. We will also consider the ethical challenges of creating such experiential data and motivating citizens in using the application to share their experiences.

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