



Digital Roots: Fostering Nature Engagement in a Technologically Driven World

Background

In our increasingly digitized world, finding ways to maintain and enhance engagement with nature has become a critical challenge. The pervasive use of digital technologies risks distancing individuals from the natural environment, yet it also offers innovative avenues to reconnect with nature. This paradox presents a unique opportunity for research and development within the realm of Sustainable HCI. By exploring how digital platforms and tools can be designed to encourage outdoor activities, foster appreciation for biodiversity, and promote conservation efforts, we can potentially bridge the gap between the digital and natural worlds. Investigating strategies to use technology as a catalyst for nature engagement, rather than a barrier, could lead to a deeper understanding of how to sustainably integrate our digital and environmental lives.

Approach

Based on an initial literature survey on nature engagement, use cases and variables that digital technology could impact are identified. Building on this knowledge, a software prototype is implemented and its effects evaluated as part of a user study.

Based on Bachelor or Master level the scope of the thesis is adapted.

Contact



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Focus in this project

Software Prototype
Research-through-Design
User Evaluation