

Conference Abstract

Discovering Nature in the City with a Citizen Science Mobile App

Ulrike Sturm[‡], Alexander Buhl[‡], Jana Hoffmann[‡], Mario Lasseck[‡], Martin Tscholl[‡], Omid Khorramshahi[‡], Falko Glöckler[‡]

[‡] Museum für Naturkunde Berlin, Berlin, Germany

Corresponding author: Ulrike Sturm (ulrike.sturm@mfn-berlin.de), Jana Hoffmann (jana.hoffmann@mfn-berlin.de), Falko Glöckler (falko.gloeckler@mfn-berlin.de)

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Abstract

In the project "[StadtNatur entdecken](#)" (discovering nature in the city) a multidisciplinary team of specialists in biology, informatics, urban ecology and social sciences is looking into how to effectively communicate educational content on environmental topics to young adults and to allow them to contribute as citizen scientists. The mobile app "Naturblick" presents an experience of nature in an urban setting. Several tools are combined in the app that allows users to identify species. The team developed auditory and visual pattern recognition tools that will automatically identify sound recordings and photographs and multi-access identification keys for flora and fauna. There is a map function that will help explore nature in the users' immediate vicinity in Berlin, Germany, highlighting the diversity of species to be found. Users are able to share their observations and records. The project is designed to involve user participation and continuous improvement based on user feedback of both the content and technology.

Keywords

pattern recognition, identification, citizen science, mobile app, biodiversity, city

Presenting author

Jana Hoffmann