



# MontaPhone

## Location-based mobile hiking narratives

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### Introduction

The MontaPhone is a mobile non-intrusive light-weight location-based hiking story guide for use on common cell phones. While traditional signposts only deliver limited information and coverage, the system allows access to georeferenced spoken audio narratives of POIs along a track.

### Objectives

- Augment recreational hikes with non-intrusive media components
- Complement traditional signposts
- Convey narrations on geographic objects
- Use of commonly available mobile device



### Location-based Hiking Assistance

- Georeferenced POIs on the device
- Current location by GNSS
- Vicinity list of POIs
- Proximity alert
- Known and familiar devices and metaphors

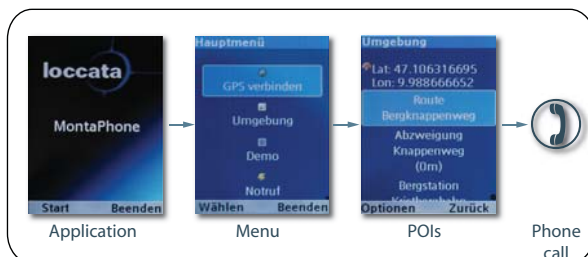


### Virtual Signposts

- Carrier of georeferenced spoken narratives
- Multi-language speech
- Dynamic tourist information
- Retrieval of pinpointed information along the way with a mobile device
- Explorable virtual layer for a region
- Rich media
- Complement traditional signposts

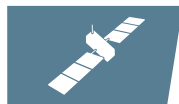
### System Design

- Mobile application (Java J2ME)
- Deployable on most mobile phones
- Positioning by GNSS
- Remote media server & CMS
- GIS-based datasets
- Dynamic telephone voice access
- Self-contained download package



### Results

Reaching casual and experienced hikers alike, the MontaPhone is a new and innovative way to easily retrieve in-depth spoken narratives just on the way. Tourists now can easily access media on demand and explore their whereabouts, increasing their awareness of the vacation area.



Project



<http://offis.de/loccata>

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