

HURLY-BURLY

AN EXPERIMENTAL FRAMEWORK FOR SOUND BASED SOCIAL NETWORKING

This project is part of a long-term research project concerning acoustic communication through mobile devices and sound based social networks, conducted at the Research Centre for Science and Technology in Arts (CITAR).

This poster presents the design of a sound based social-network (follow the numbers for a product overview!)

3. A hi-level description is retrieved from a server database, according to previous low-level descriptors.

HI-LEVEL DESCRIPTORS (HLD)

LOW-LEVEL DESCRIPTORS (LLD)

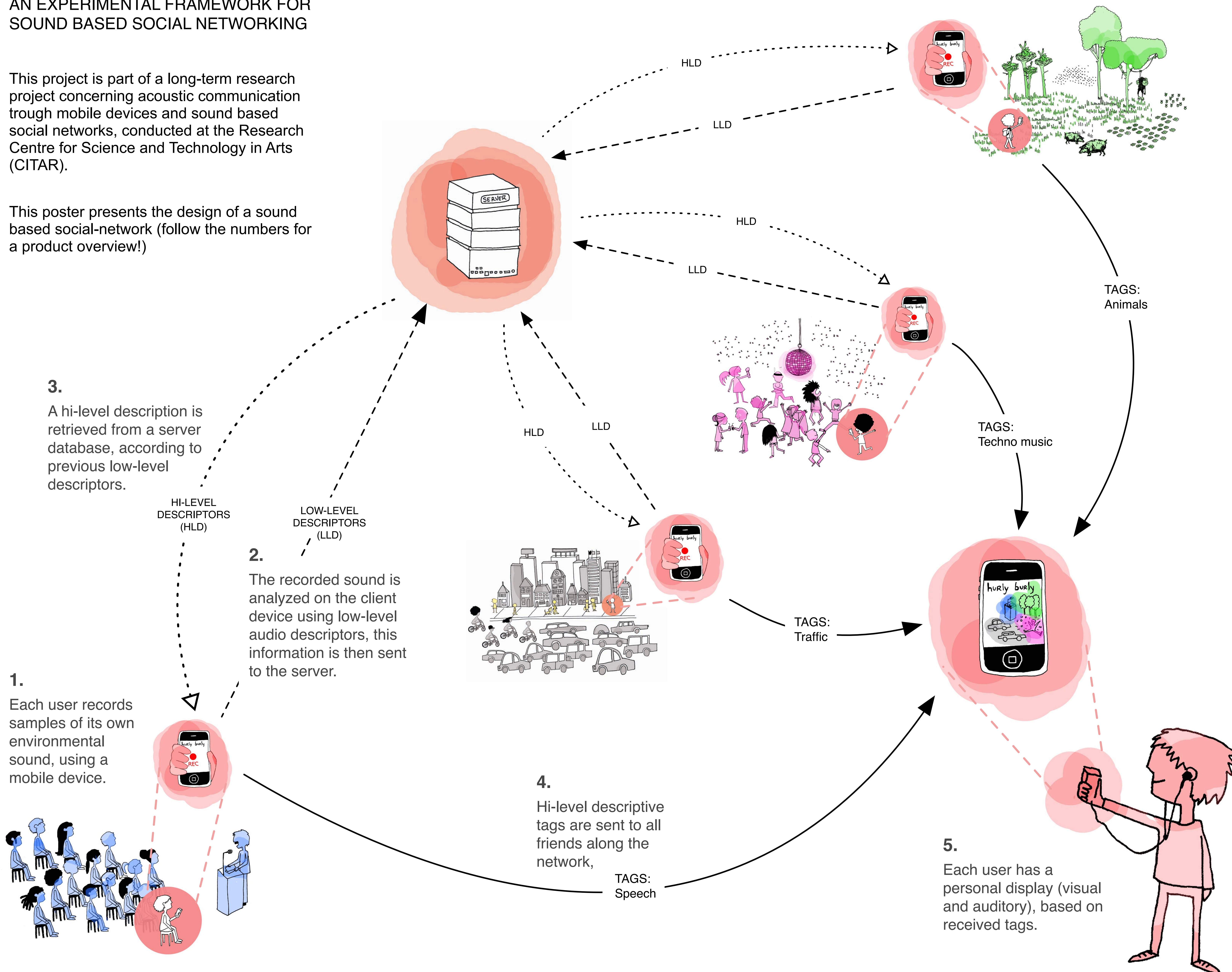
2. The recorded sound is analyzed on the client device using low-level audio descriptors, this information is then sent to the server.

1. Each user records samples of its own environmental sound, using a mobile device.

4. Hi-level descriptive tags are sent to all friends along the network,

TAGS: Speech

5. Each user has a personal display (visual and auditory), based on received tags.



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Goals

Computer mediated social-networks link together individuals in order to facilitate communication among them, thereby enhancing group awareness. The variety of shared information can be quite comprehensive, ranging from on-line status, mood, geo-localization, music interests, thoughts, academic/professional interests, religion, relationship status, etc.

The aim of this project is to draw attention to the importance of environmental sounds, using them to create a new layer on social-networking, by sharing soundscapes descriptions among network peers.

Future Work (next steps)

- 1) Choose and implement a sound classification system
- 2) Develop visual and auditory display feature
- 3) Design and implement the mobile device application
- 4) Test the application
- 5) Add geo-tagging features for place characterization
- 6) Develop users soundscape history

Acknowledge

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