Social Interaction through Map-based Wiki

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Overview

- From traditional to digital maps
- Map-based wiki
- Annotating maps in social interactions
- The Banco Territorio Prototype
- Conclusions
Traditionally, maps are depictions of areas of the surface of the earth that involve generalization and symbolization.

A map is a tool to
1. display knowledge
2. organize knowledge
3. store knowledge

Anyway, traditional maps display static information.
From traditional to digital maps

Generalization and symbolization
From traditional to digital maps

Displaying, organizing, storing knowledge

http://www.edwardtufte.com/tufte/minard
From traditional to digital maps

Digital Maps

**Dynamic:**
representation of data stored in a database

**Interactive:**
different users can work on the displayed map and add, organize in different ways and/or change displayed information.
Interactive Web Maps

The map becomes

• a common knowledge base for a community of interest

• the perceptible part of a social medium for people interaction

the boundary object through which different users interact
From traditional to digital maps
A map-based wiki is defined from the following features:

1. a digital map is the display for information stored in a linked knowledge management system;

2. users can access and modify the displayed information;

3. users can share added information;

4. users can act on the information added by other users;

5. the interaction among users and between users and information is allowed through the map.
Map-based Wiki

**Geographical Map-based Wiki**

Annotation on geographical symbols

http://www.wikimapia.org
Annotating maps in social interactions

Social Map-based Wiki

Annotation of a map representing social relationships

http://www.foaf-project.org
Annotating maps in social interactions

**Depicting an “Emotional” Sound Space**

Sound annotation on a geographical map
The Banco Territorio prototype: annotation (1)

A touristic map-based wiki

Emoticons: iconic feeling depiction

Annotation manager:
- textual description
- thread of discussion
The Banco Territorio prototype: expert users (2)

Descriptive narrations

Star operator
The Banco Territorio prototype: overcome cultural boundaries (3)

Localizing system of symbols

- Emoticons
- Language
Depicting a *synestethic space* for sharing knowledge: **multimodal annotation** = emoticons + textual annotation + sound annotation + images
Conclusions: some Discussion Issues

• How sharing emotional moods in exploring social virtual spaces?

• How connecting explicit informational content together with emotional moods?

• How expressing feelings as parameters for describing social interactions?
Thanks

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