Developed Techniques

- Multimedia GIS social software
- Social software
- Mobile web service provisioning

Motivations

“Encourage the use of unused wireless capacity, including satellite, in developed countries and in particular […] to provide access in remote areas, especially […] to improve low-cost connectivity in developing countries.”

--Paragraph 9i, Geneva Plan of Actions

Challenges

- Scenario based requirement analysis for developing countries
- Enable data and system mobility
- Mobile context-aware data management
- Mobile social geo-tagging, storytelling
- Peer-to-peer database technologies
- Multimedia and GIS
- Prototyping of mobile social software
- Quality oriented system and data evaluation

Goals

- Enhance community media creation and consumption
- Raise social awareness for cultural heritage preservation
- Promote sustainable and cultural tourism
- Integrate into e-Government
Objectives: support professional communities at relief work in developing countries

- Mobile context-aware multimedia creation
- Multimedia annotation by social geo-tagging
- Multimedia sharing via non-linear digital storytelling
- Quick prototyping for mobile communities

Challenges
- to extend context awareness
- to enhance mobile data and system interoperability
- to handle data uncertainty in mobile environments
Objectives: support professional communities at relief work in developing countries

- Mobile context-aware multimedia creation
- Multimedia annotation by social geo-tagging
- Multimedia sharing via non-linear digital storytelling
- Quick prototyping for mobile communities

Architecture

- MPEG-7 Multimedia Tagging
- Non-linear Storytelling
- The Mobile Platform

Mesh Networks

- to extend context awareness
- to enhance mobile data and system interoperability
- …