



Experience Sharing in Mobile Peer Communities



**Enabling Experience Sharing in Ad Hoc
Manner using MANET and P2P Technologies**

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Vision of ExpeShare Project

Enable virtual communities to share media experiences in their personal devices legally and securely.



Social Phenomena

- People love to create, enhance and share content .
- People love to leave in communities and socialise.
- A communities is a group of individuals that share common intent, belief, resources, preferences, needs, risks, etc. affecting the identity of the participants and their degree of cohesiveness.
- A social network is a map of all of the relevant ties between the nodes being studied.
Experience



What is the User Experience?

Time pressure
Pressure to success
Explicit & Implicit Requirements



Mobility
Functions
Size, weight adaptivity



USER EXPERIENCE



Expectation
Motivation Emotion

Time, Place
Accompanying persons
Temperature

How to Support Them ?

- **Facilitate the connectivity between people Anywhere, Anyplace:**
 - Thanks to AdHoc Networks technologies
- **Facilitate multimedia content and experience sharing**
 - Thanks to P2P technologies
- **Building and managing mobile virtual communities.**



Enable converged multimedia services for communities over Peer-to-Peer networks and Ad hoc networks.

Technical Achievements

- **Easy Content creation and sharing solutions**

- Easy capturing and storage of pictures and videos with associated context and metadata

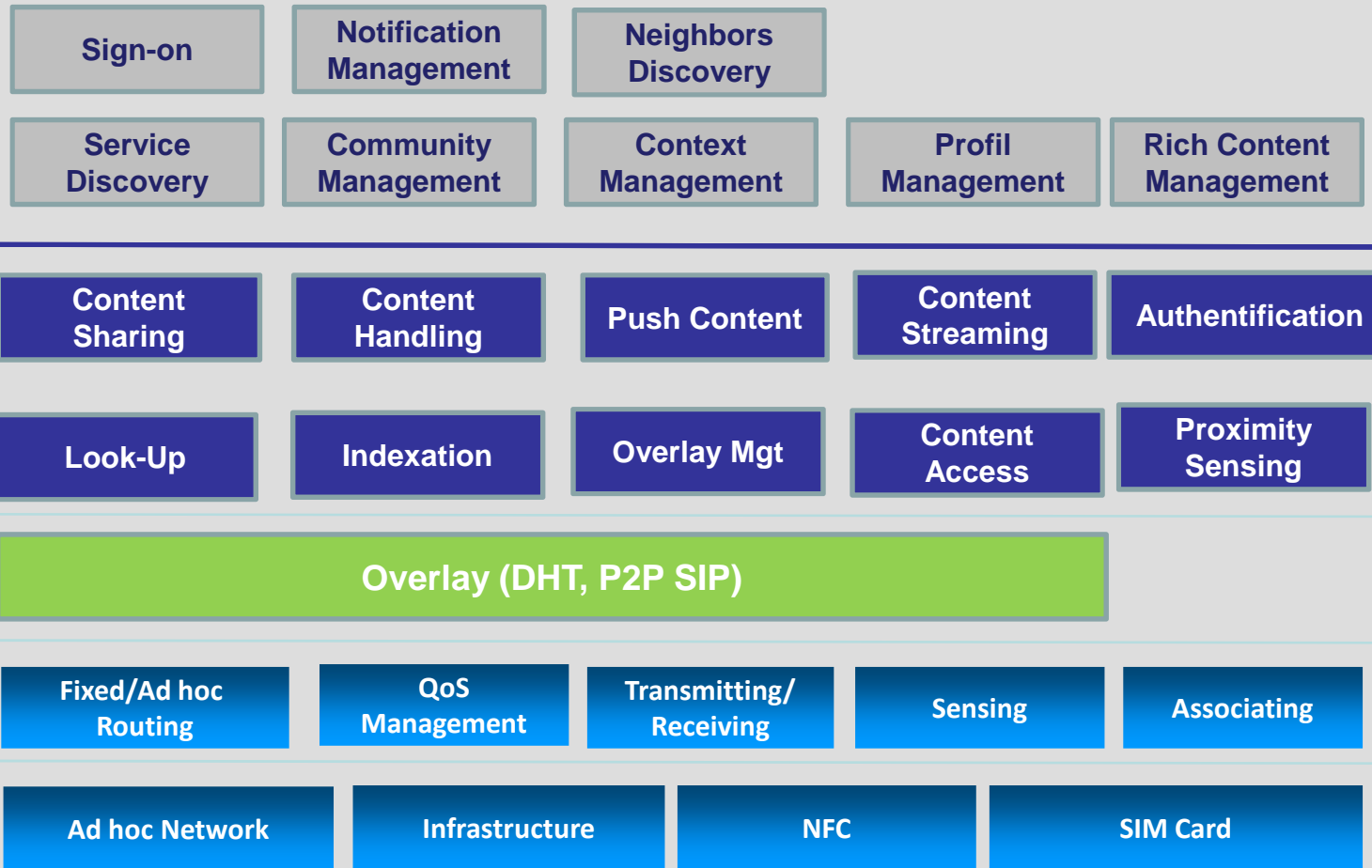
- **Easy Peer to peer networking solutions**

- Allow e.g. for setup of ad-hoc network for sharing between peers
- Stream video contents to other peers of the community

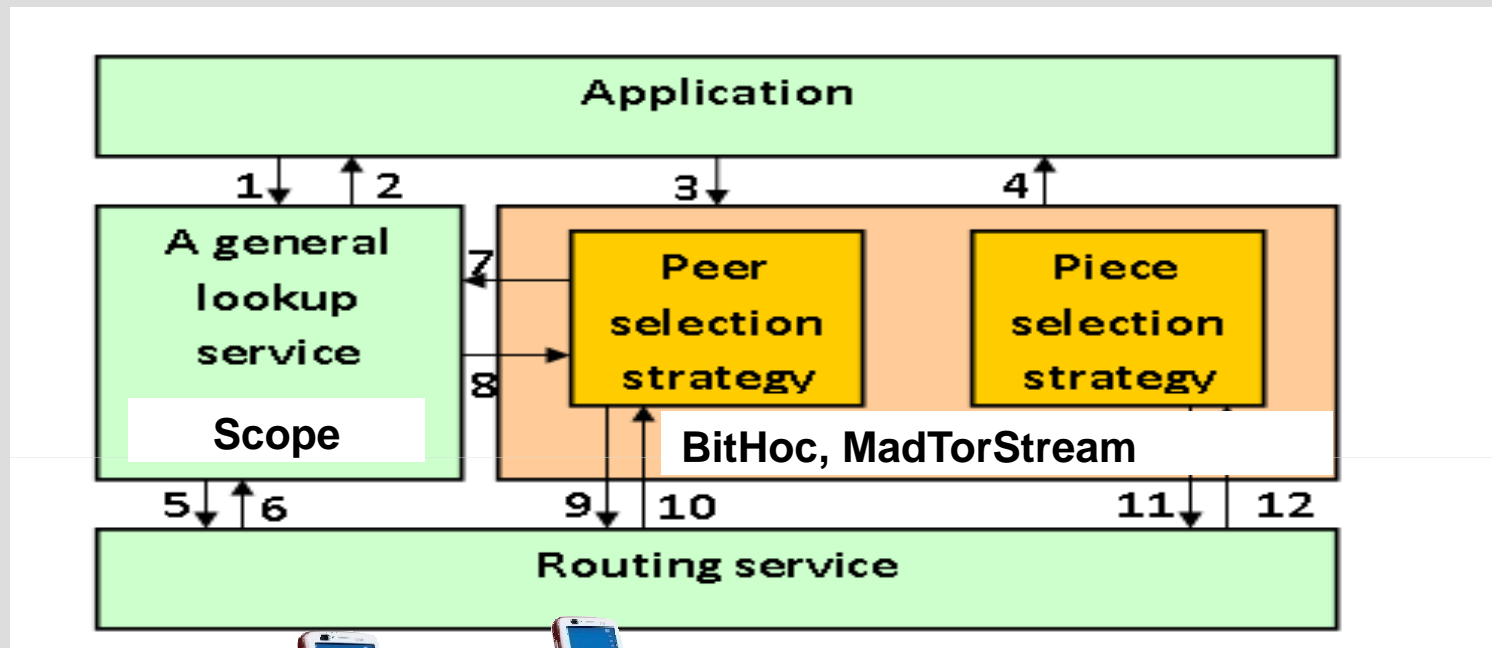
- **Easy Contents searching and discovering**



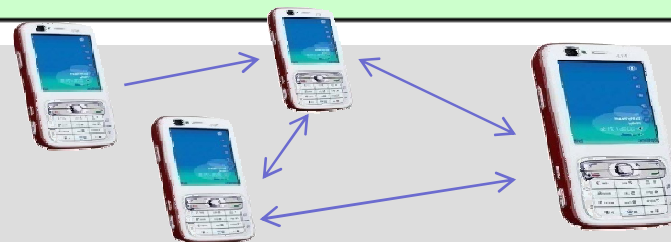
Proposed Framework: Expeshare P2PNSA



P2P Real Time Content Sharing Architecture



Mobile Ad Hoc Network (MANET)



SCOPE

BITHOC

MADTORSTREAM



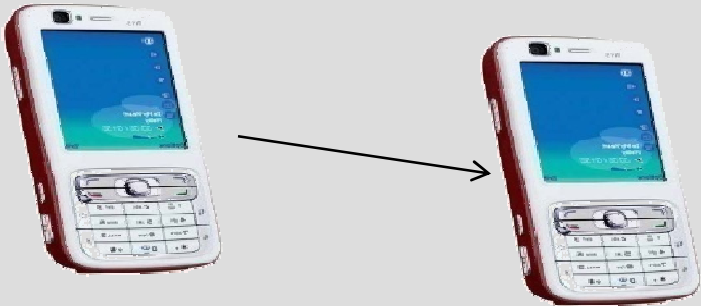
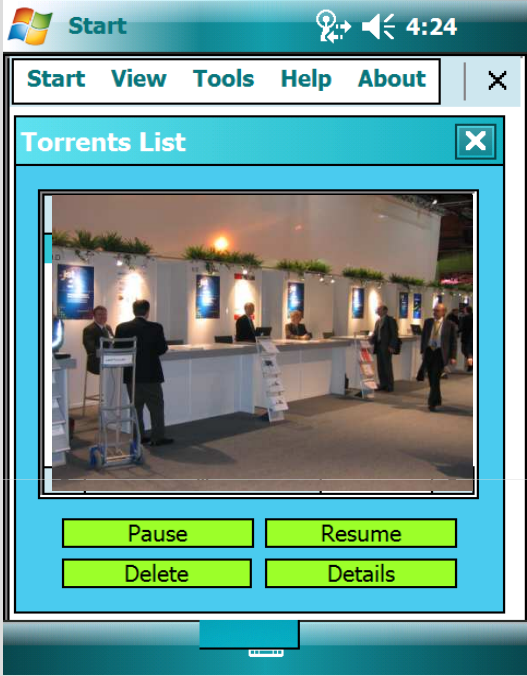
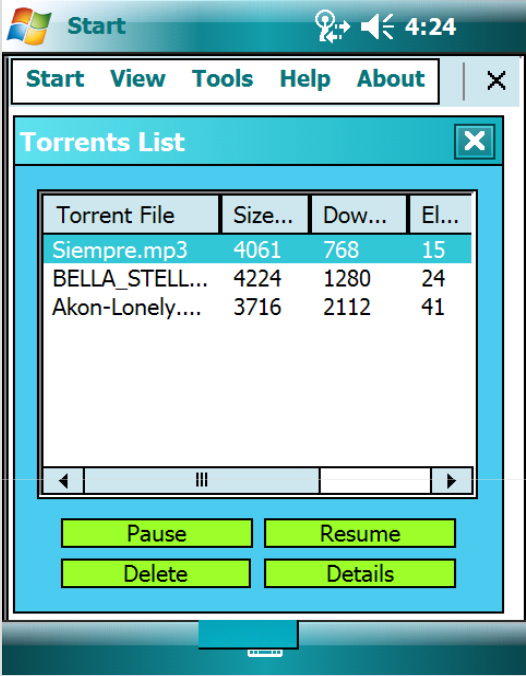
Technical Realisations

- **Pure Peer to Peer networking solution using Fixed, Mobile and Ad hoc network technologies**
 - Allow e.g. for setup of ad-hoc network for sharing between peers without a fixed infrastructure
- **Create, Annotate and Easy Share Solution**
 - Easy capturing and storage of pictures and videos with associated context and metadata and real time distribution.
- **NFC Easy Payment and e-Ticket.**
 - Secure On-line payment and e-ticket transportation in Mobile Phones.
- **Full Experience Sharing.**

ExpeShare: Exhibition Scenario

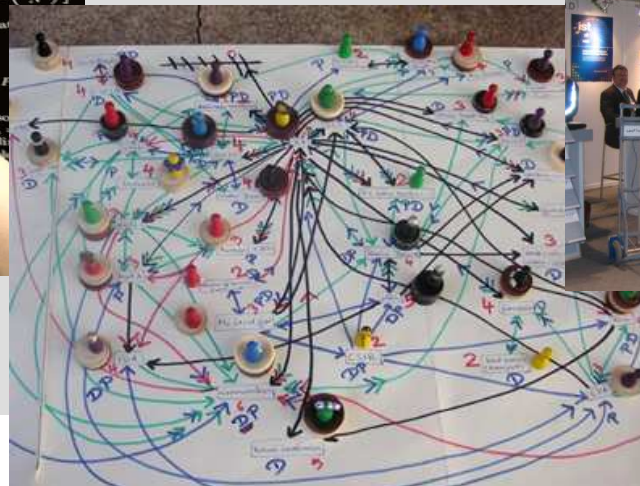


Professional / Exhibition



Mobile community experience sharing

1. An Ad-hoc network is created (by users already in the community).
2. Users access the adhoc network (while login to the conference area).
3. User publishe their profiles and contents.
4. Users search for a contents.
5. Users download and score contains
6. Contents are pushed to participants depending on their profiles.



Merci de votre attention