

Universal, mobile-centric and opportunistic communications architecture

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Partners

- DUTH
- University College London
- University of Cambridge
- COPELABS
- TECHNALIA
- TEKEVER
- Senception
- Fon Technology
- AFA Systems

Global Internet

- Global Architecture integrate all devices, protocols, and environments. DTN key enabling technology, shaping role similar to buffers
- Global reach information access everywhere, on demand, periodical or permanent
- Global empowerment information to everyone, exploit # of user devices



- View all devices as internetworked devices, not now, but eventually, sometime in the future. Offline networking
- Exploit every-day micro-world through micro blogging, record events and thoughts, potentially in a thematic or geographical context. Free Internet
- Reform information access methodology you don't find information, information finds you

Impact

- Improve civil/environment protection
 - Disaster management
 - Earthquakes, fires, etc.
- Improve information accuracy
 - integrate off-line information, response-time, granularity of event monitoring
- Improve daily life experience
 - Micro-blogging
 - Daily routine improvement
 - Free Internet Access

Technical Plan

- Information-centric Communication
- Intermittent connectivity support
- Service-oriented architecture



UMOBILE is a mobile-centric service-oriented architecture, which integrates the core principles of ICN, DTN and IP together into one single architecture under a common service abstraction.





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