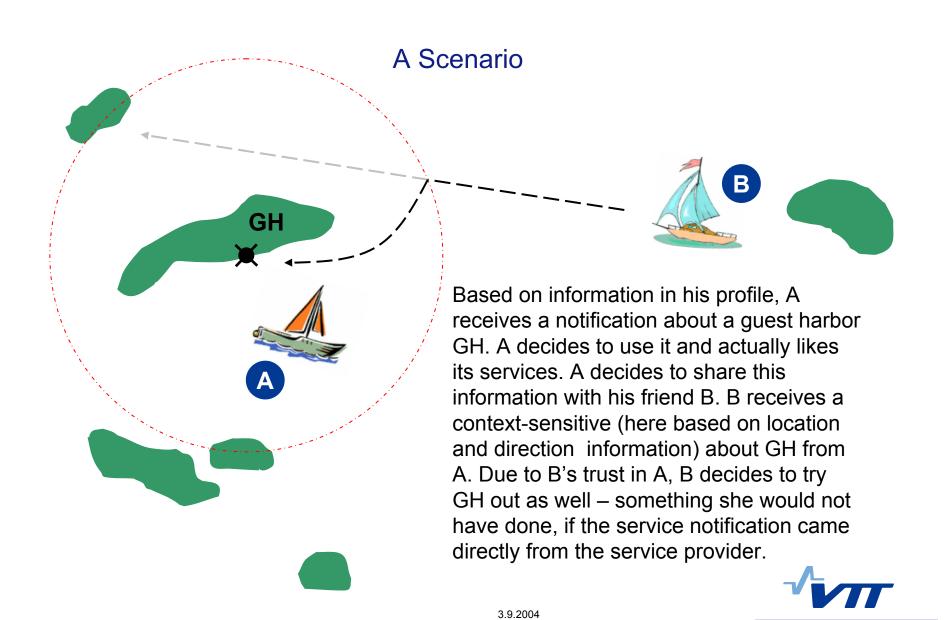
Hybrid Service Provision Model for Mobile Users: Prospects for the DYNAMOS Project

Santtu Toivonen

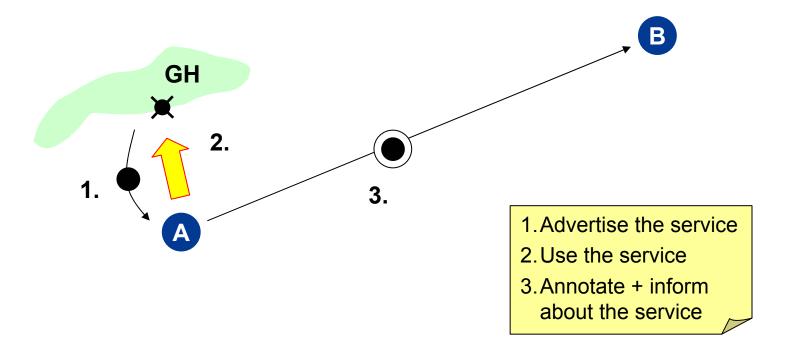
VTT Information Technology

STeP 2004, Web Intelligence Symposium 3.9.2004



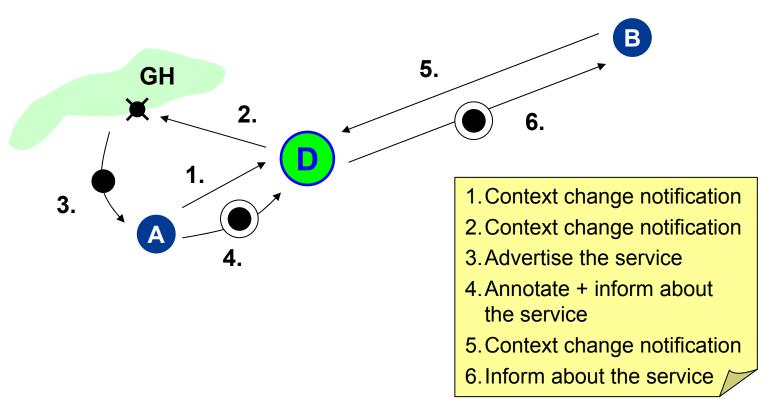


Scenario (contd.)





Scenario (contd.)





Service Annotations

- Service annotations in DYNAMOS refer essentially to comments and other material produced by the users
 - (typically service annotations refer to something produced either by the service provider or by the directory service – in the scope of DYNAMOS they are called service descriptions)
- Service descriptions come from service providers, and point to services
- Service annotations come from users, and point to service descriptions
- The publicity level of service annotations can vary from personal to public (avoid "DoS attacks", though)
- Multiple annotations, annotation threads, "hot topics"



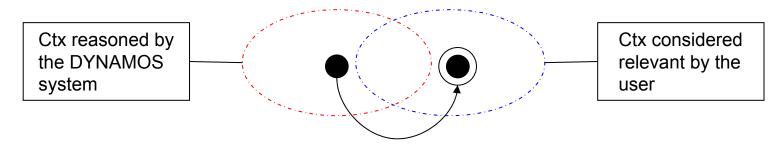
Service Annotations (contd.)

- Why? Often people know something of themselves and people close to them (friends, colleagues, etc.) that is out of reach to any information system
- What? This something is what we call implicit profile data
- Why (2)? Sometimes users trust people they know more than experts or recommendation systems
- Then again, there can be some information found in the profiles out of reach to other people (and to self in many contexts!)
- → Hybrid service provision model consisting of both B2C and C2C functionalities



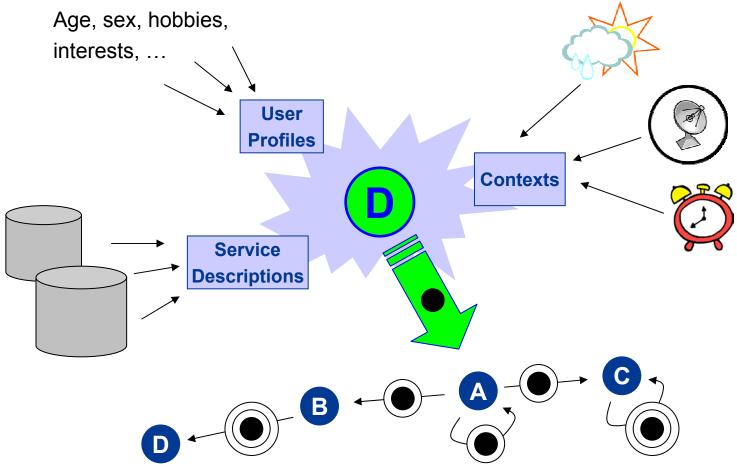
Service Annotations (contd.)

- Enabling service annotating facilitates users in recognizing information that is relevant to them and possibly also to other people they know – useful (through feedback) for service providers as well!
- Accessing updated vs. original content via annotated descriptions
- Differentiate between service annotations and original descriptions
- Annotations, like original service descriptions, are context-specific
 - However, not necessarily in same contexts





Context-aware Service Provision





Project Characteristics

- Potential context information to be investigated: location, direction, time, social context, mood, weather, ...
- Semantic Web and agent technologies for describing services, contexts, and user profiles + reasoning about them
- Exploiting open standards and recommendations + producing open source software
- Ethnographic research for finding out user requirements
- User trial for testing the developed prototype (likely in summer 2006)
- Project participants: VTT, HIIT, TEKES (Fenix), ICT Turku, Suunto, TeliaSonera



Thank you!

- Questions?
- For more info:
 - santtu.toivonen@vtt.fi
 - http://www.vtt.fi/tte/proj/dynamos/

