Towards a Global Spatial Data Infrastructure Using Web Services

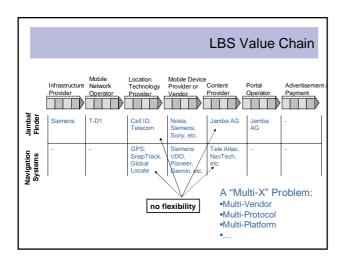
Peter Ibach and Matthias Horbank Humboldt University Berlin, Germany Computer Science Department

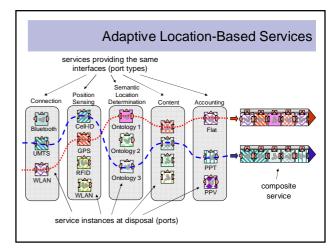
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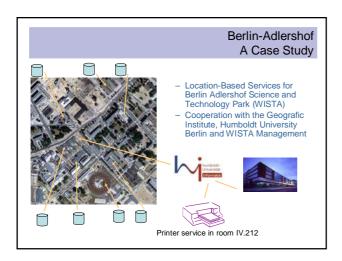


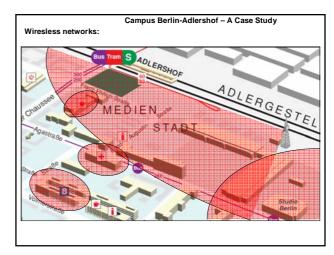
Content

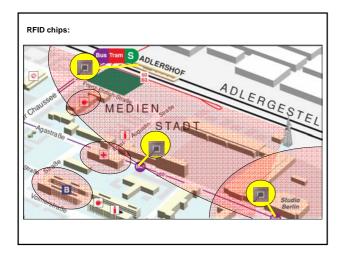
- Location-Based Services (Today)
 current LBS value chains and their problems
- Adaptive Location-Based Services (Tomorrow)
 Web Services and adaptive service composition
- Berlin Adlershof A Case Study
 a distributed spatial information system
- SEMALON The Semantic Location Network – approaching global scalability and interoperability
- Conclusions

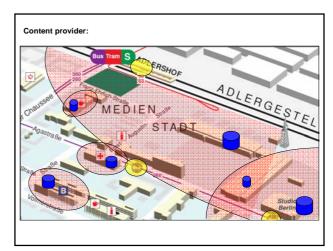


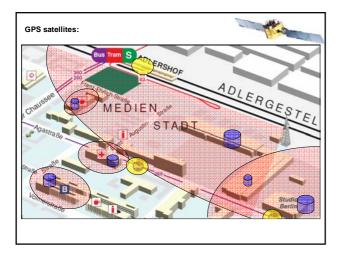


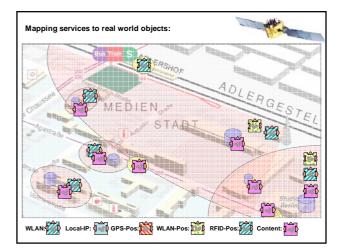


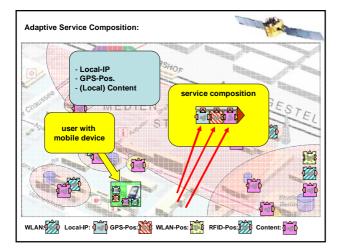


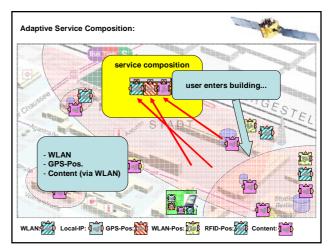


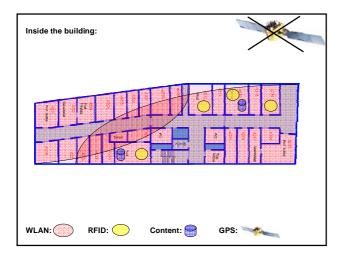


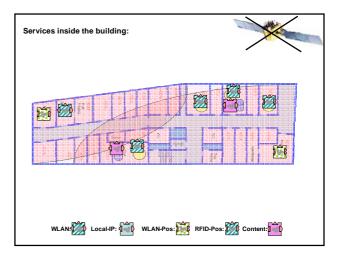


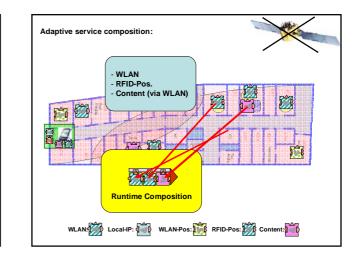


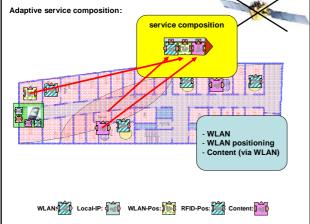


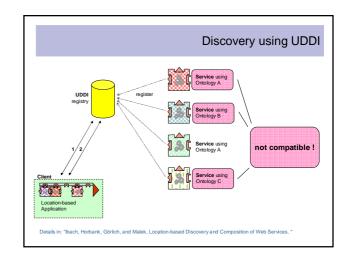


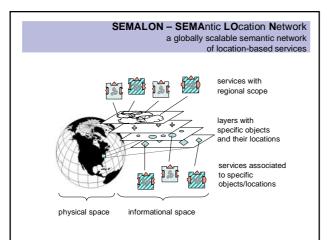


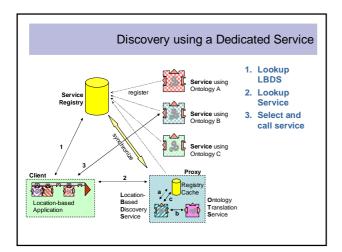


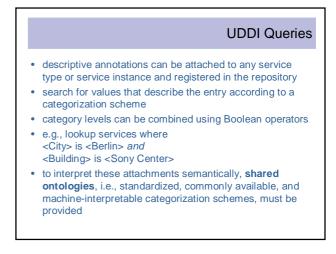


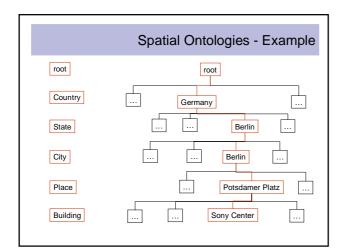


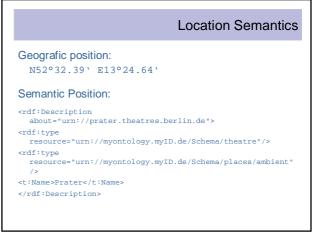


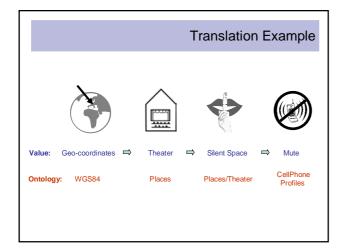












Conclusions and Outlook

Conclusions

- To arrive at a GSDI we have to overcome the "Multi-X" problem
- Web Services are a promising way to do so
- Our SEMALON-approach adds location-based service discovery and semantic interoperability

Outlook

- Performance and Availability
- Reputation systems
- Legal issues