

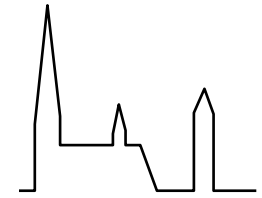


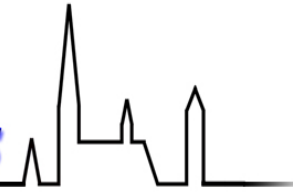
Privacy in Business Processes by Identity Management

IST 2006, Helsinki, November 23rd, 2006

Sven Wohlgemuth
Prof. Dr. Günter Müller

Albert-Ludwig University of Freiburg, Germany
Institute of Computer Science and Social Studies
Department of Telematics
<http://www.telematik.uni-freiburg.de>





IIG Telematics Prof. Dr. Günter Müller

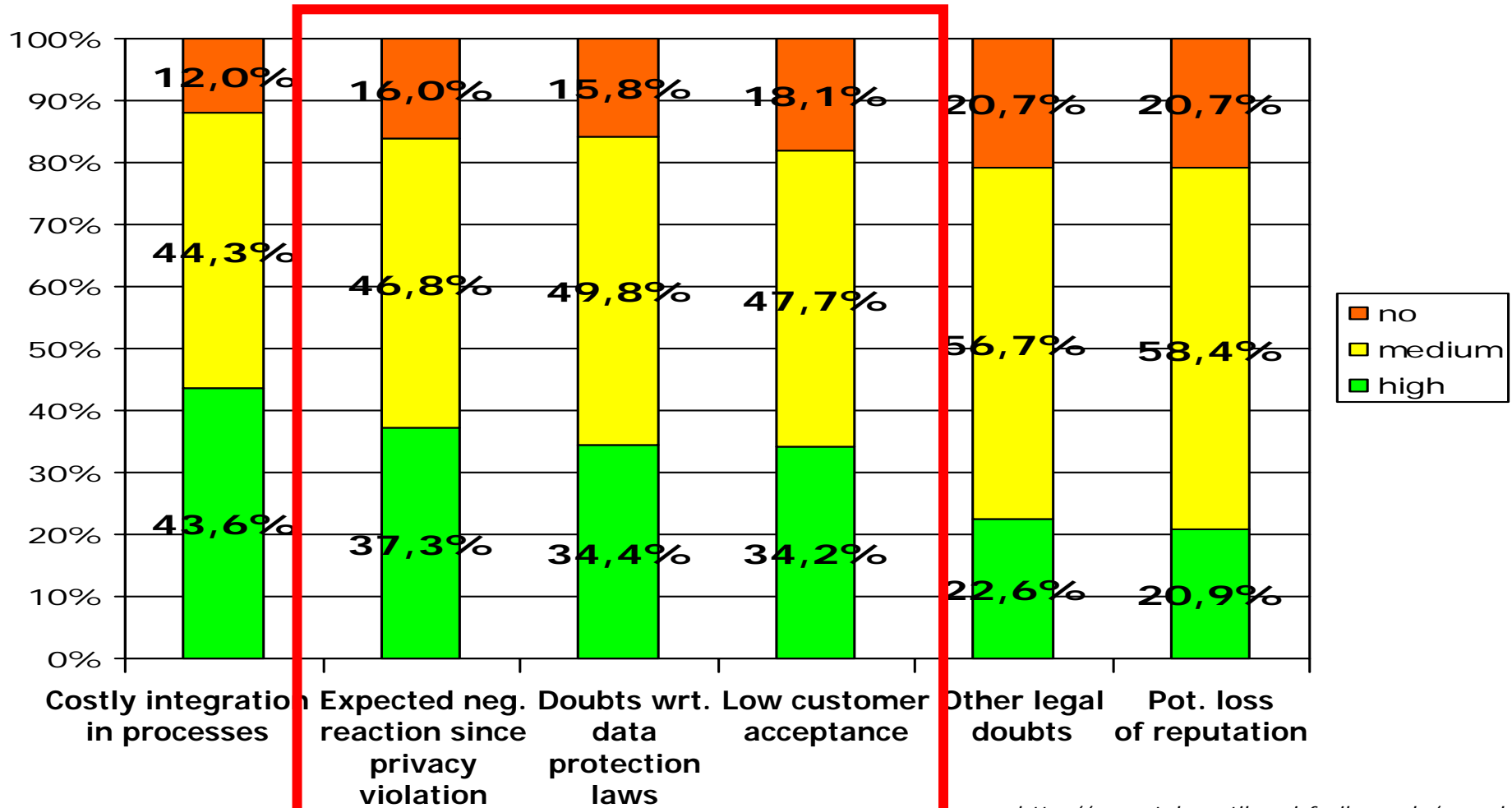


- iManager: Security and usability by identity management (CeBIT 2003, doIT Software-Award 2003)
- Coordination of German Priority Programme “Security in the Information and Communication Technology”
- Electronic Commerce Enquête 2005: Use of IT in German enterprises
- Int. Conference on Emerging Trends in Information and Communication Security (ETRICS) 2006
- Editor of CACM special issue “Privacy and Security in Highly Dynamic Systems”, Sept. 2006
- Coordination of FIDIS NoE work package “Privacy in Business Processes”



Survey for Germany (ECE IV)

Most Important Barriers for Personalized Services



<http://www.telematik.uni-freiburg.de/ece.php>

Problem 1: Linkability of Profiles

Challenge: User-controlled disclosure of personal data

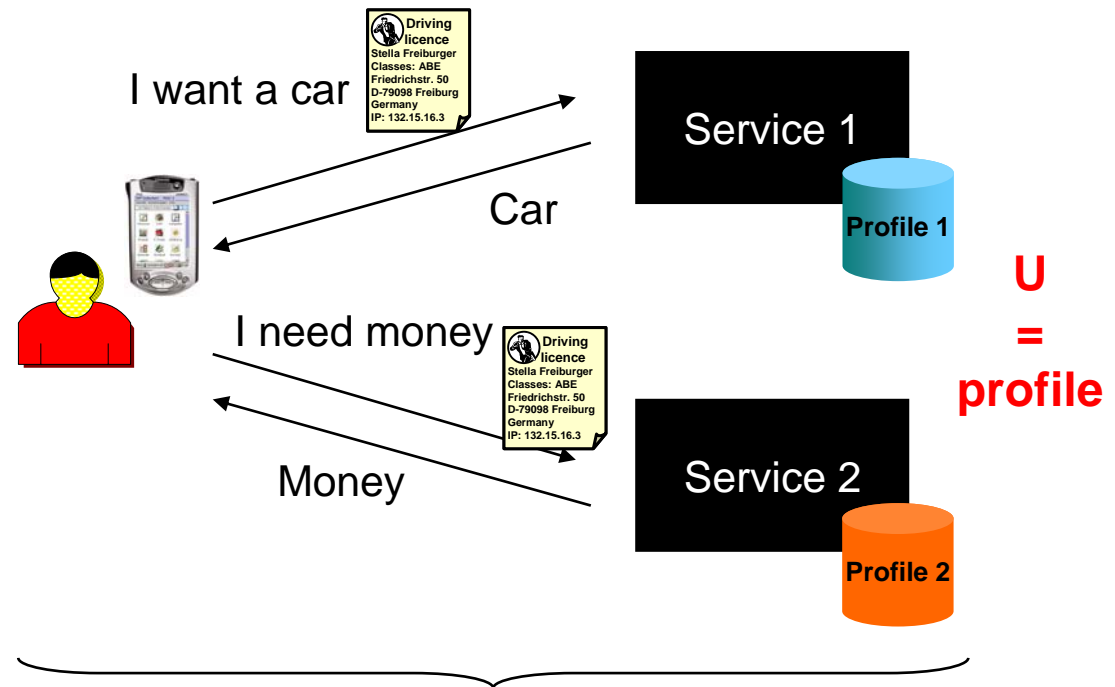
Personalised services:
Conscious data collection



Creating profiles



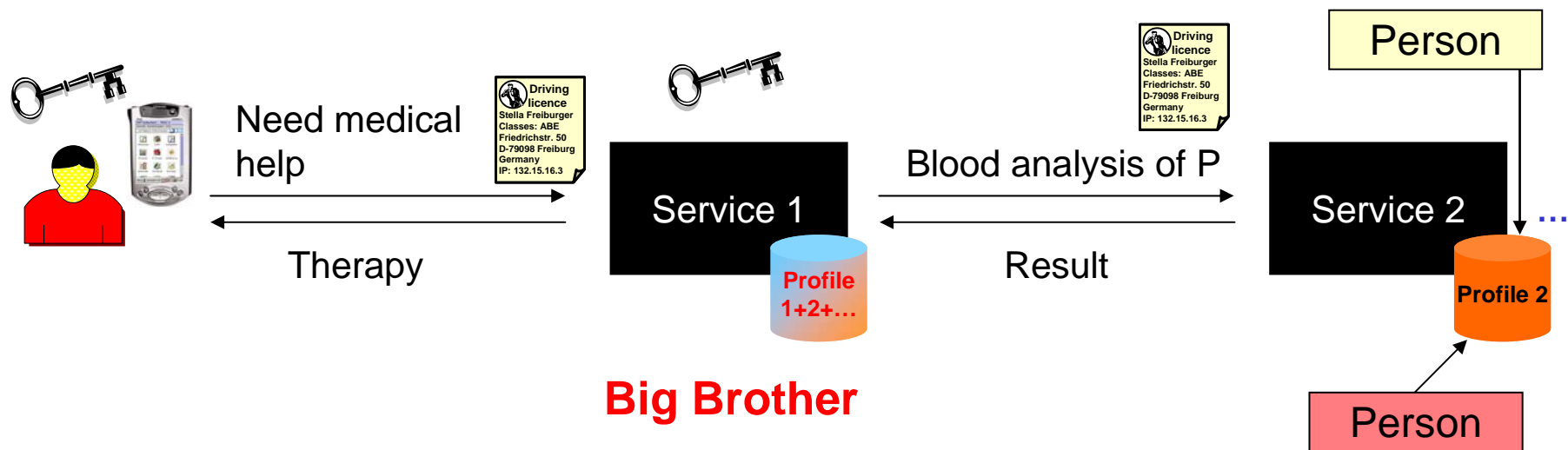
Tracing an user by
identifying data




Identity management (e.g. Freiburg iManager)

Problem 2: Delegation of Profiles

Challenge: User-controlled disclosure and use of personal data



- All-or-nothing delegation  Loss of control
- **DREISAM:** Protocol for unlinkable delegation of rights on personal data

Problem 3: Unaware Collection of Profiles

Challenge: Avoidance of loss of control on personal data

Aml changes collection:

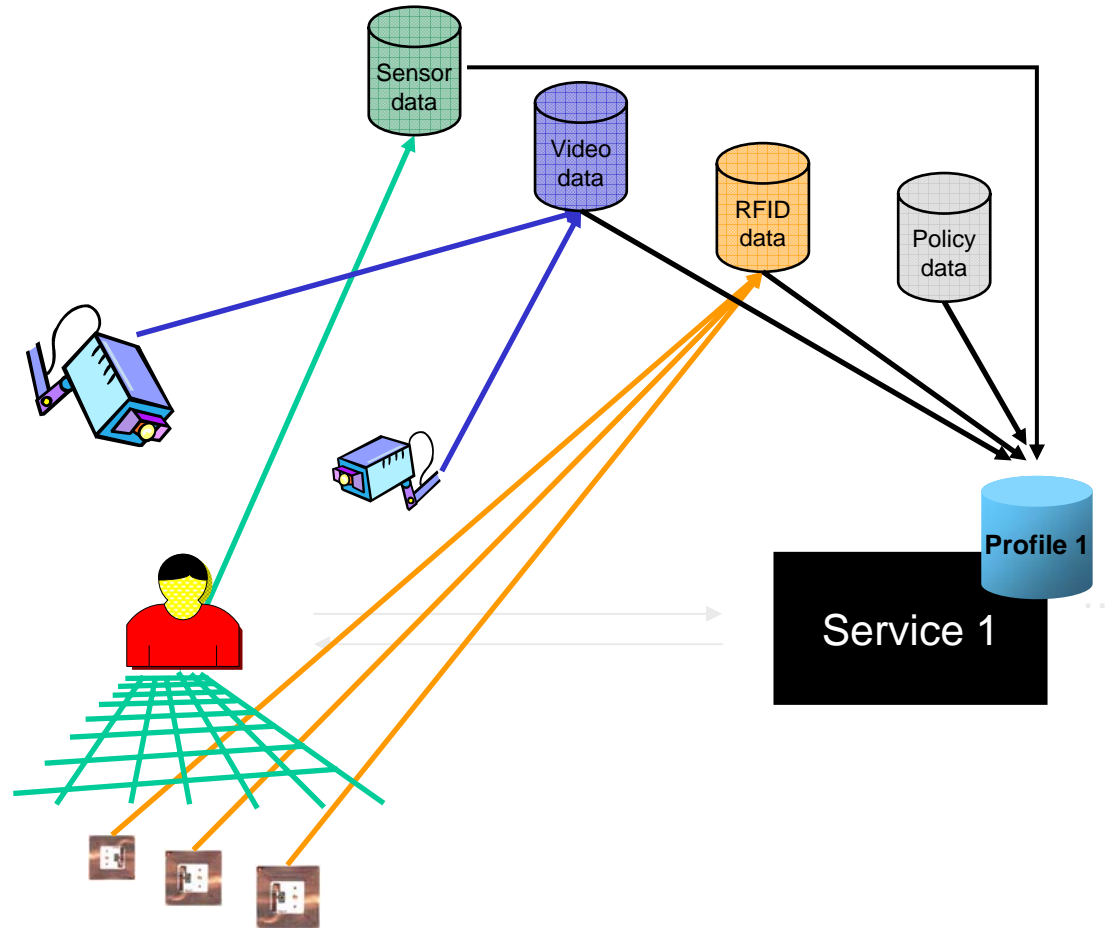
Conscious communication

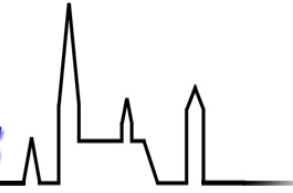


Unaware
human-machine
communication

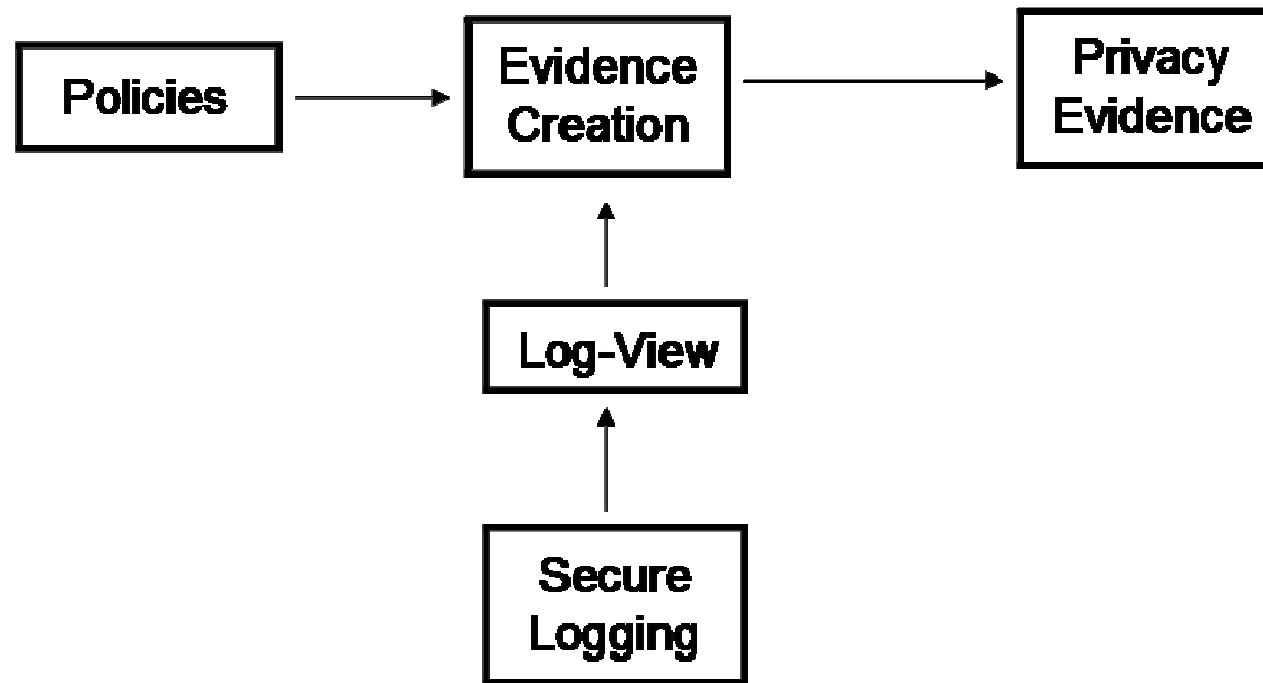


User has no control on disclosure
of personal data



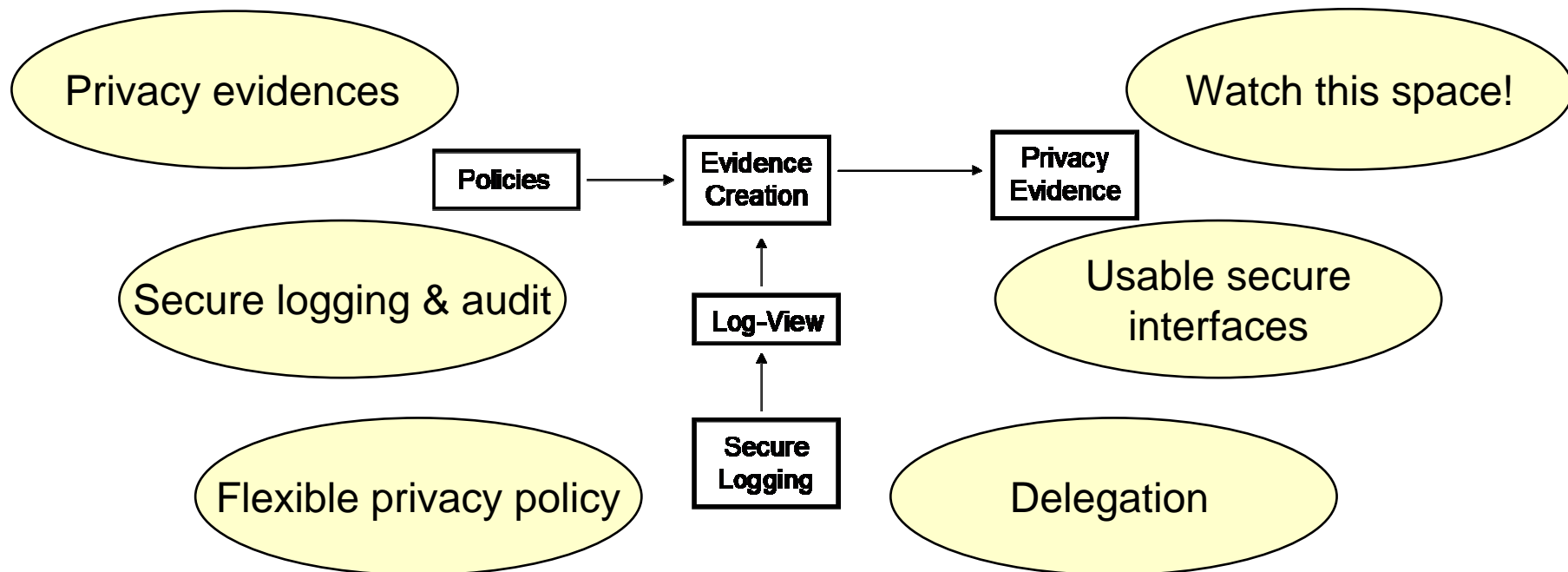


Our Approach: Privacy Evidence



Looking for Partners

Challenge: Avoidance of loss of control on personal data



Contact me!

Sven Wohlgemuth

E-Mail wohlgemuth@iig.uni-freiburg.de

WWW <http://www.telematik.uni-freiburg.de>