
Context-Awareness in Trust Management for Business Applications

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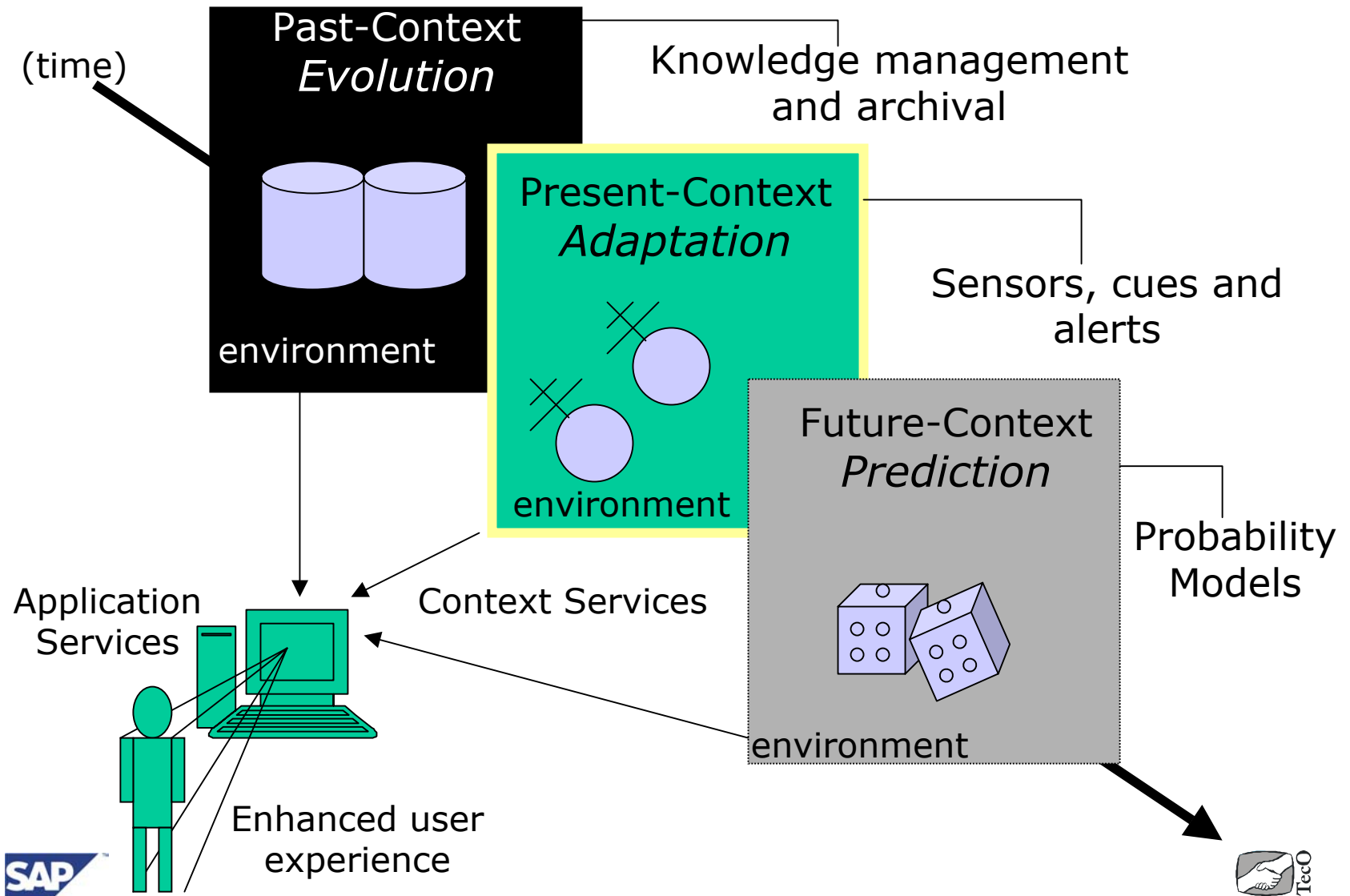
I-Trust Workshop, Imperial College London

16 September 2003

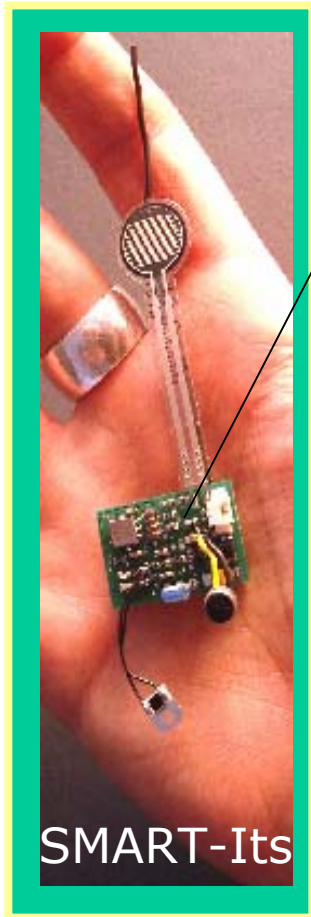
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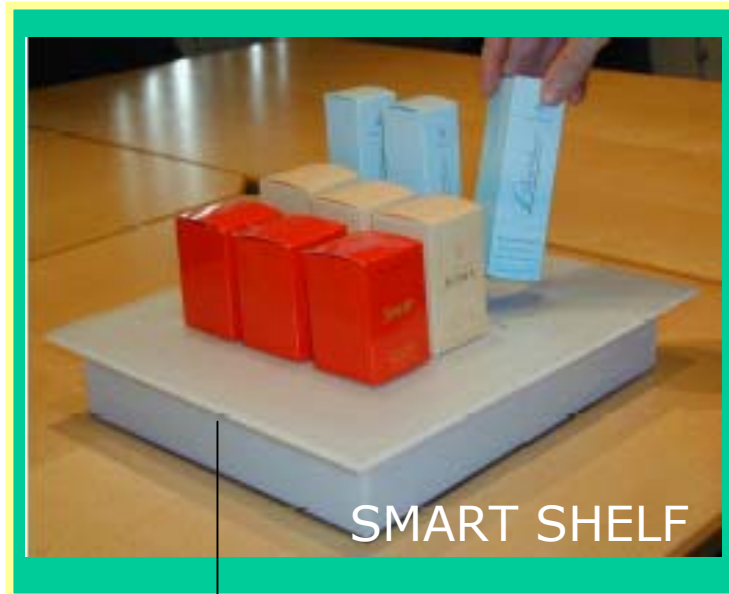
Context Awareness - concept



Context Awareness - technology



- Multiple sensors (light, sound, temp...)
- Micro Processor
- Memory
- Wireless Networking

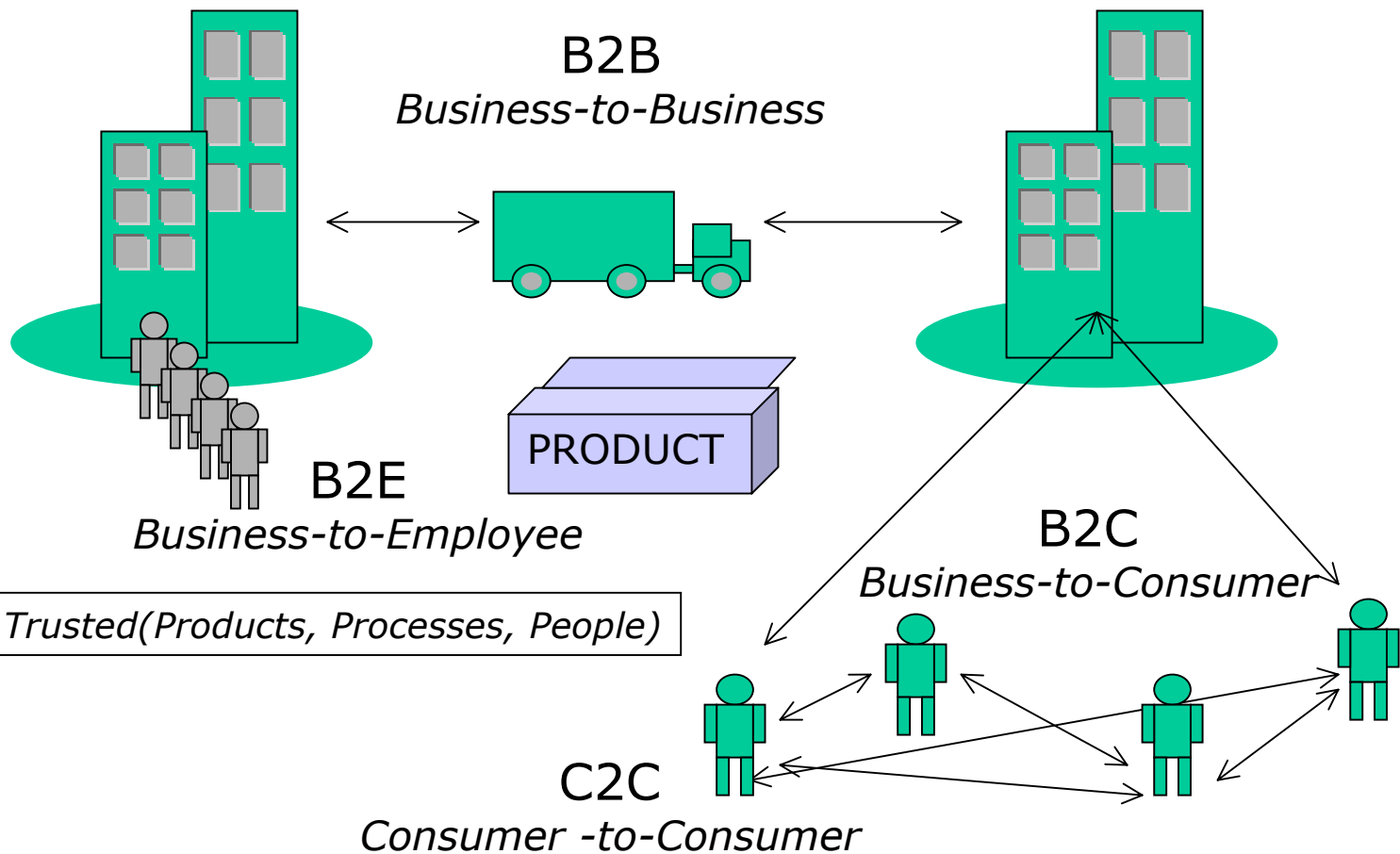


- Load Sensor
- RFID



- Temperature sensor
- Movement sensor
- Communications

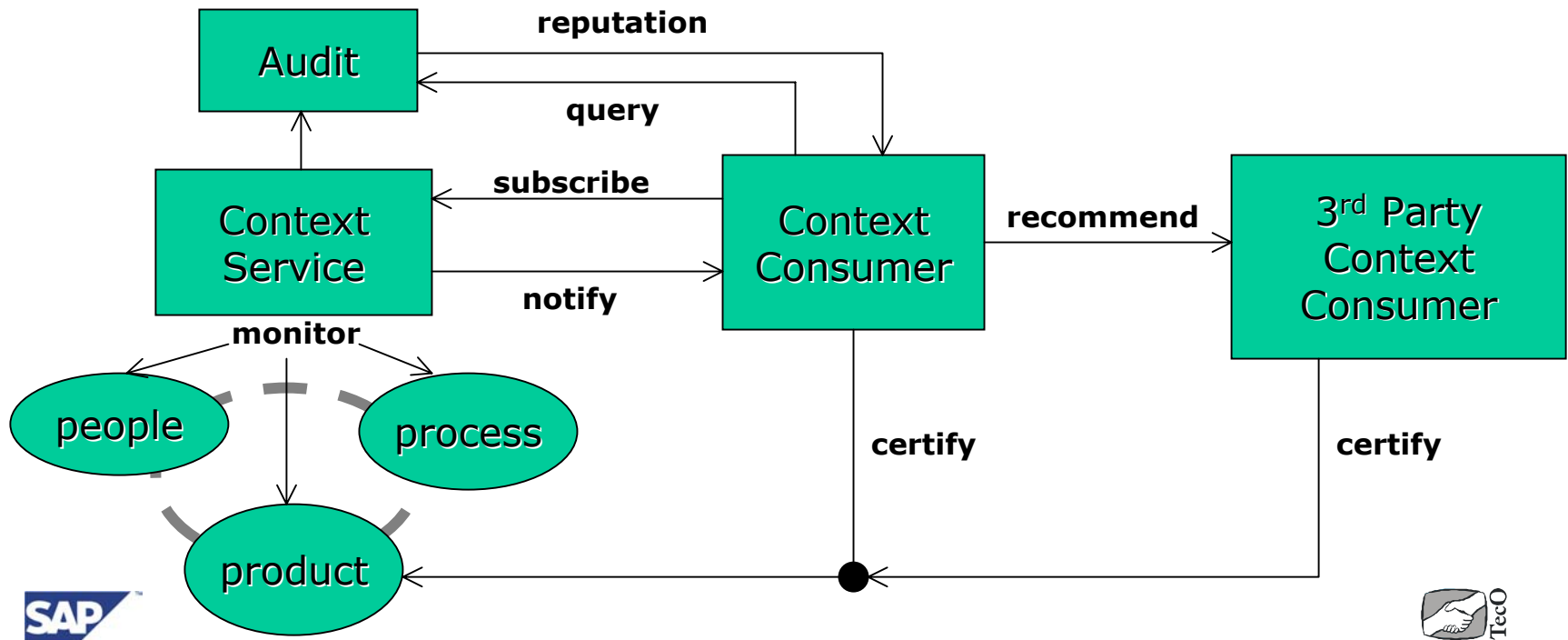
Business Applications and Trust



$$\text{€Profit} = \text{Trusted}(\text{Products}, \text{Processes}, \text{People})$$

Trust Management & Physical Cues

Trust is the management of evidence supporting proof or disproof that the benefits of a commitment (to people, products, or processes) outweigh the risks.



Wrap Up

- Context-Awareness is a topic of active research
- Supporting technology includes sensors, embedded computations and lightweight communications
- Different business applications have different trust requirements, yet similar trust components
- Trust is related to evidence, benefits and risks
- However, physical cues can be re-introduced into the trust management equation