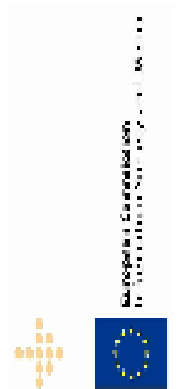




Real world internet

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Trust in SENSEI

- Vision of the future internet (RWI part)
 - Billions of WS&AN will provide sensing and actuation services
 - Billions of consumers will use these services
- Alice is one of these consumers
 - She wants to get information from a WS&AN island that she does not yet know → trust issues
 - Trust of the WS&AN island that its communication partner is in fact Alice (related to authentication)
 - Trust of the WS&AN island that Alice is authorized to use the service
 - Trust of the WS&AN island provider that someone will pay for Alice's service usage
 - Alice's trust that she is, in fact, communicating with the "right" WS&AN island (related to authentication)
 - Alice's trust that the information received from the island is accurate
 - Alice's trust in quality of services provided by third parties based on WS&AN information
- Instruments to address these issues include classical certification mechanisms, reputation systems, and possibly more approaches...