



# Presentation of Position paper, Lane 1, Trust

Volkmar Lotz, **SAP**  
A Simple View of the Future Internet ...

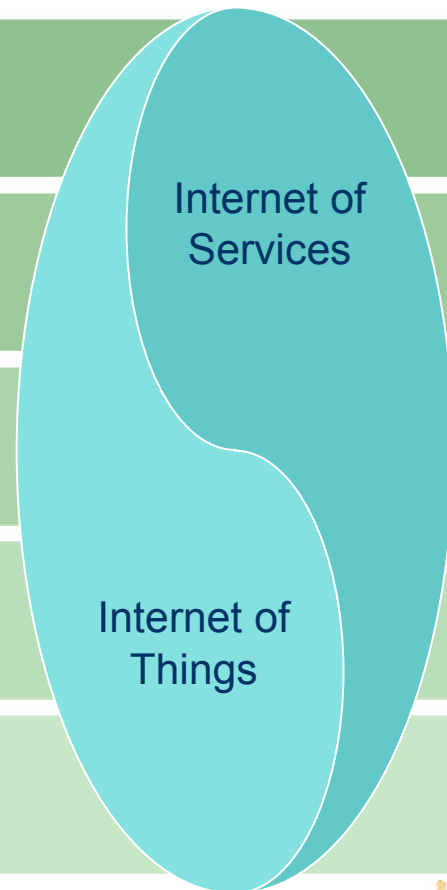
Applications, Business Ecosystems,  
Communities, etc.

Service Delivery Platforms

Value-added / business services

Fundamental services

Network: Protocols and Devices



## ... and its characteristics

**Layered, but augmented by a number of cross-cutting dependencies**

**Multitude in scale compared to the current Internet, billions of entities including things**

**Spontaneous and emerging behaviours and unanticipated new usages**

**Pervasive digital environment, heterogeneous infrastructures, terminals and technologies**

**User-centricity and usability is critical**

**Enablement of the “Internet of Services” and its new business models**

# Trust Challenges and Expectations

## Trust spans all layers of the Future Internet

### Scale of Future Internet and its impact on trust

- Persons, devices, things, services, organisation
- Billions of heterogeneous entities

### Transparency, Accountability and Responsibility

- Balanced approach
- Compartmentalisation

### How to build the desired trust

- The role of PKI --> EU-wide / Global Trust Centres?
- Reputation, observation, attestation
- Spontaneous behaviour, reacting to events