



CLOUD  
ACCOUNTABILITY  
PROJECT

# Accountability for Cloud and other Future Internet Services

The A4Cloud project



Increase trust and assurance

Allow more dynamism

Decrease regulatory complexity

Provide effective data governance  
and control in cloud-based IT



CLOUD  
ACCOUNTABILITY  
PROJECT

## Accountability-based approaches for trust and security

## Conceptual Definition:

- Accountability consists of defining governance to responsibly comply with internal and external criteria, ensuring implementation of appropriate actions, explaining and justifying those actions and remedying any failure to act properly.



- Accountability for an organization consists of accepting responsibility for the stewardship of personal and confidential data with which it is entrusted in a cloud environment, for processing, sharing, storing and otherwise using the data according to contractual and legal requirements from the time it is collected until when the data is destroyed (including onward transfer to and from third parties).
- In addition, it involves committing to legal, ethical and moral obligations, policies, procedures and mechanisms, explaining and demonstrating ethical implementation to internal and external stakeholders and remedying any failure to act properly.



# Increasing consumer and business confidence



## Inter-disciplinary approach for co-designing Accountability

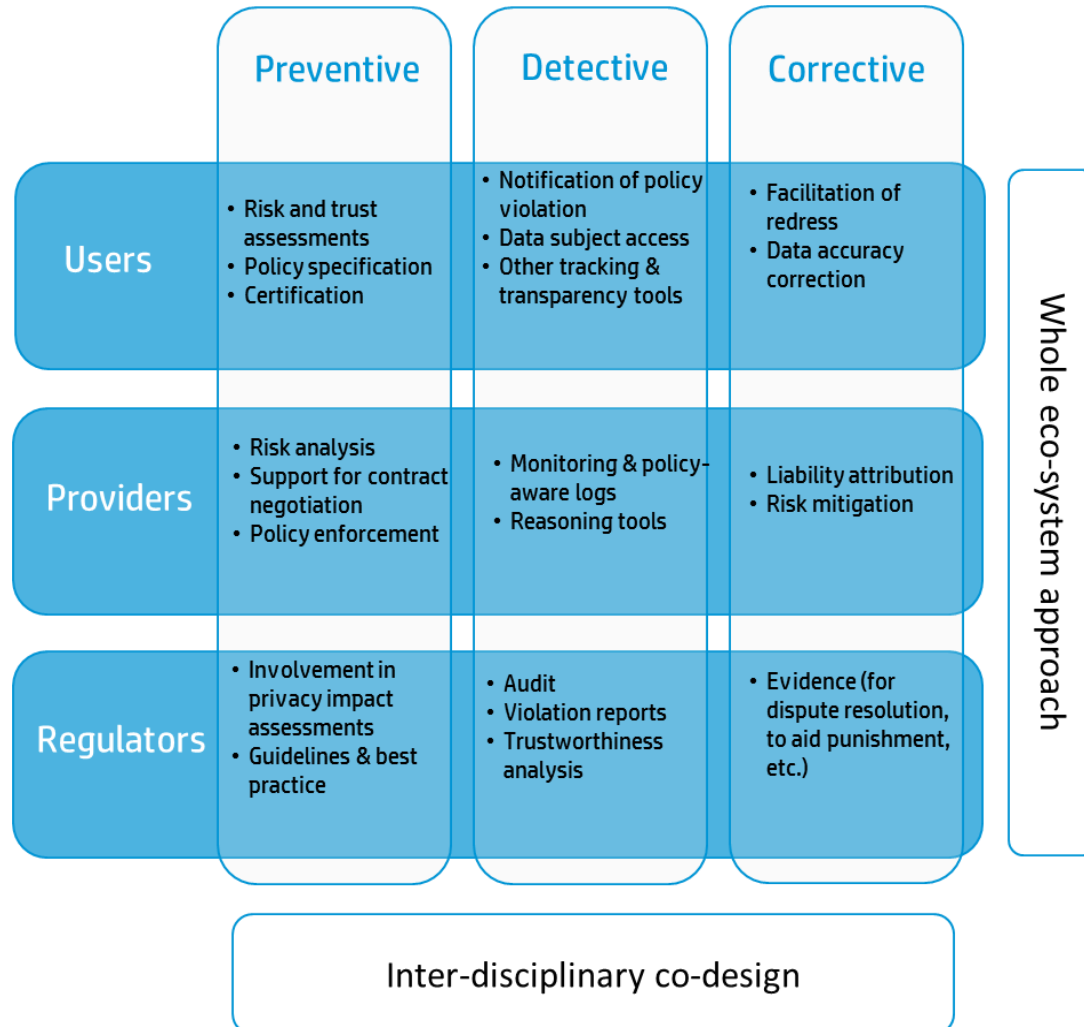








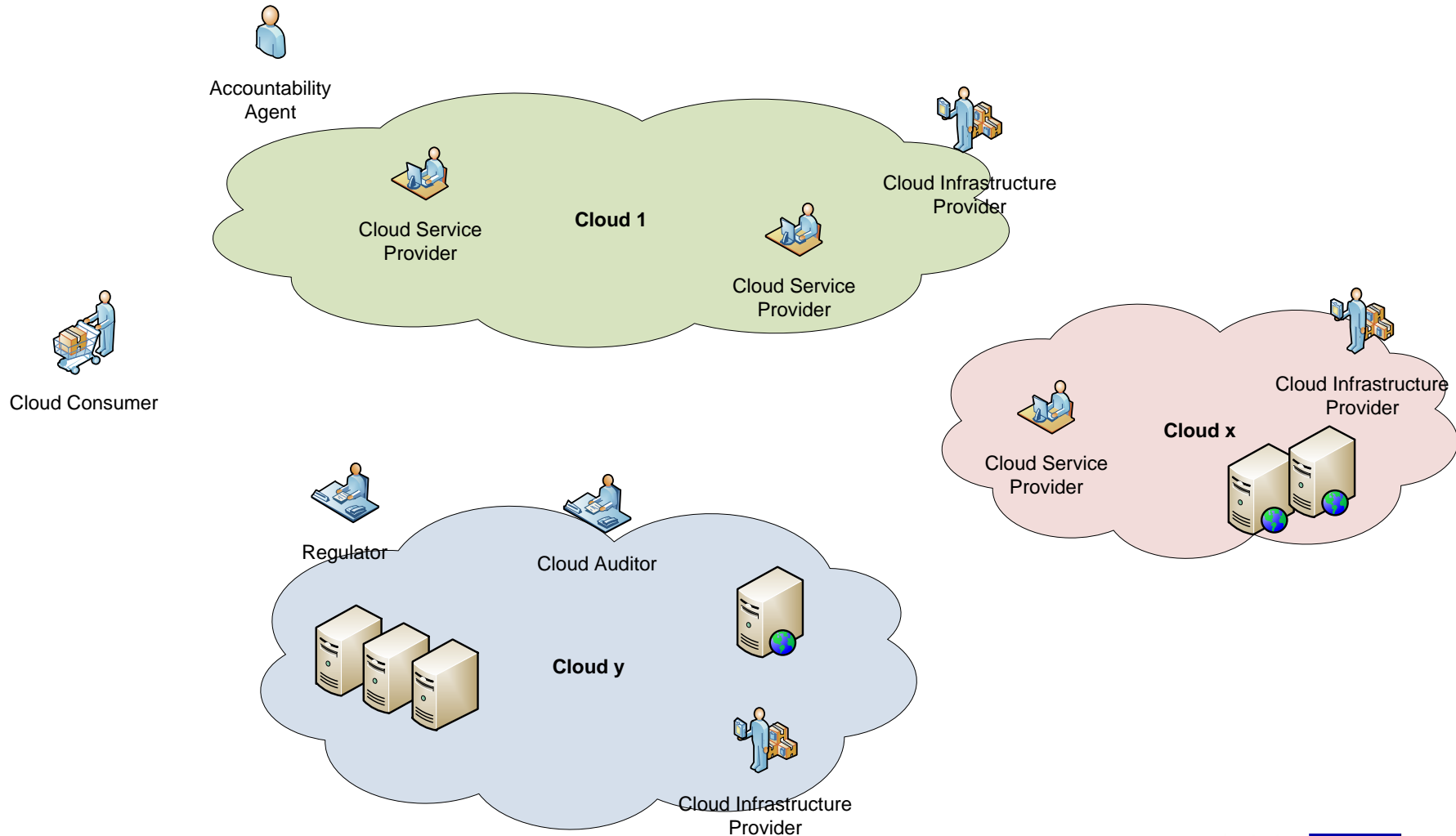
# Accountability Framework Input





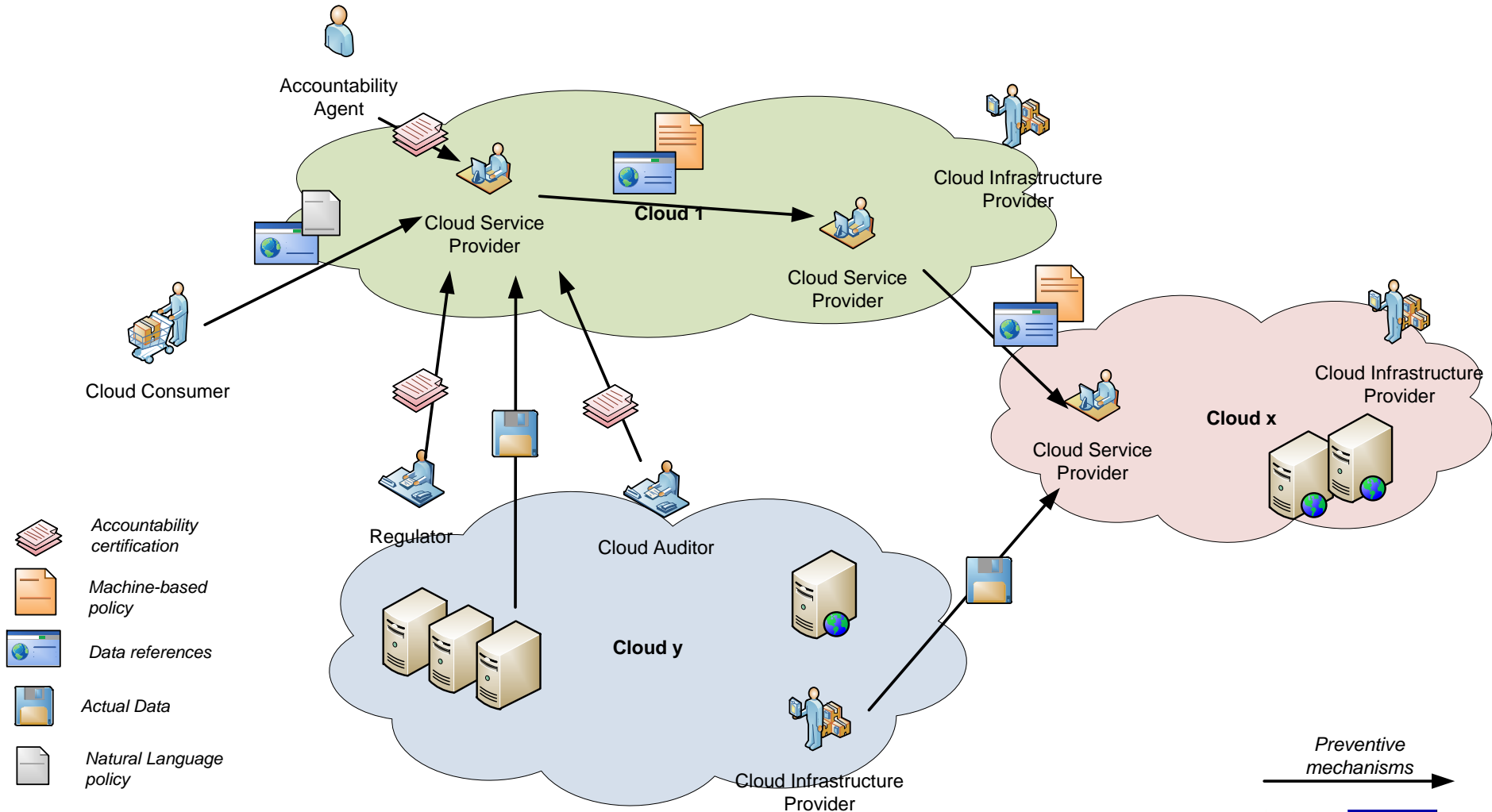


# Protecting Personal Data



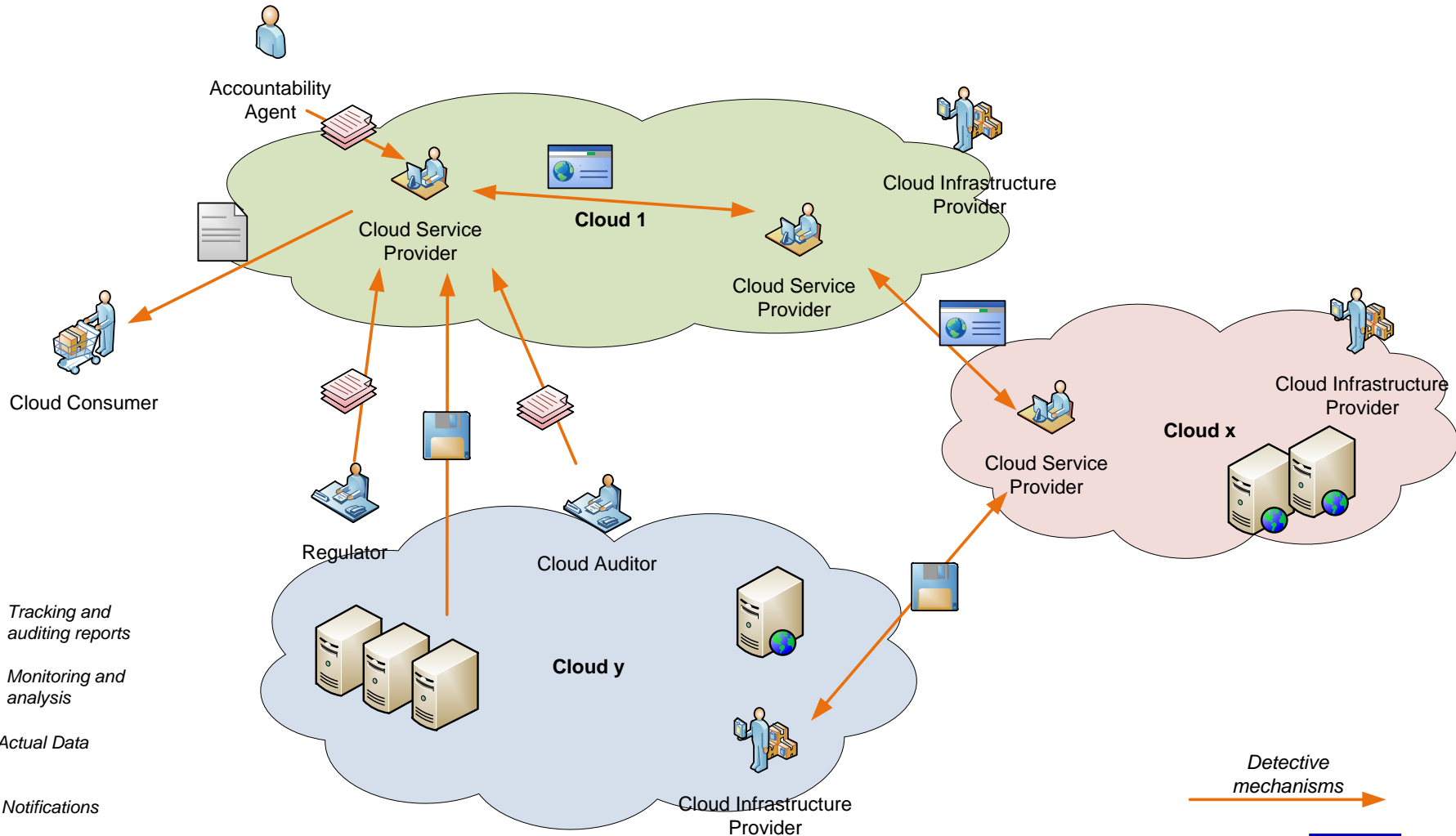






# Protecting Personal Data





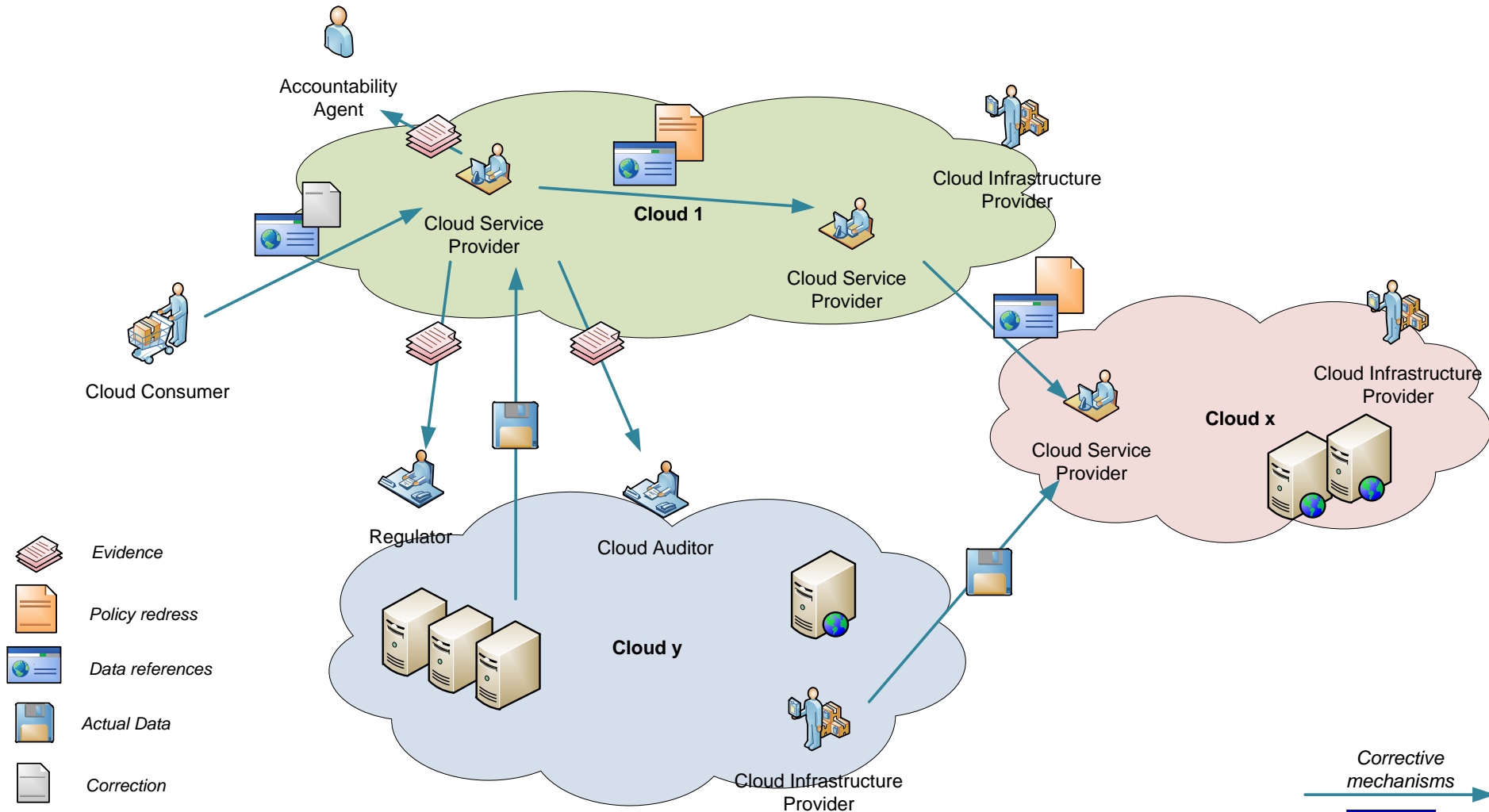
# Protecting Personal Data



-  Tracking and auditing reports
-  Monitoring and analysis
-  Actual Data
-  Notifications

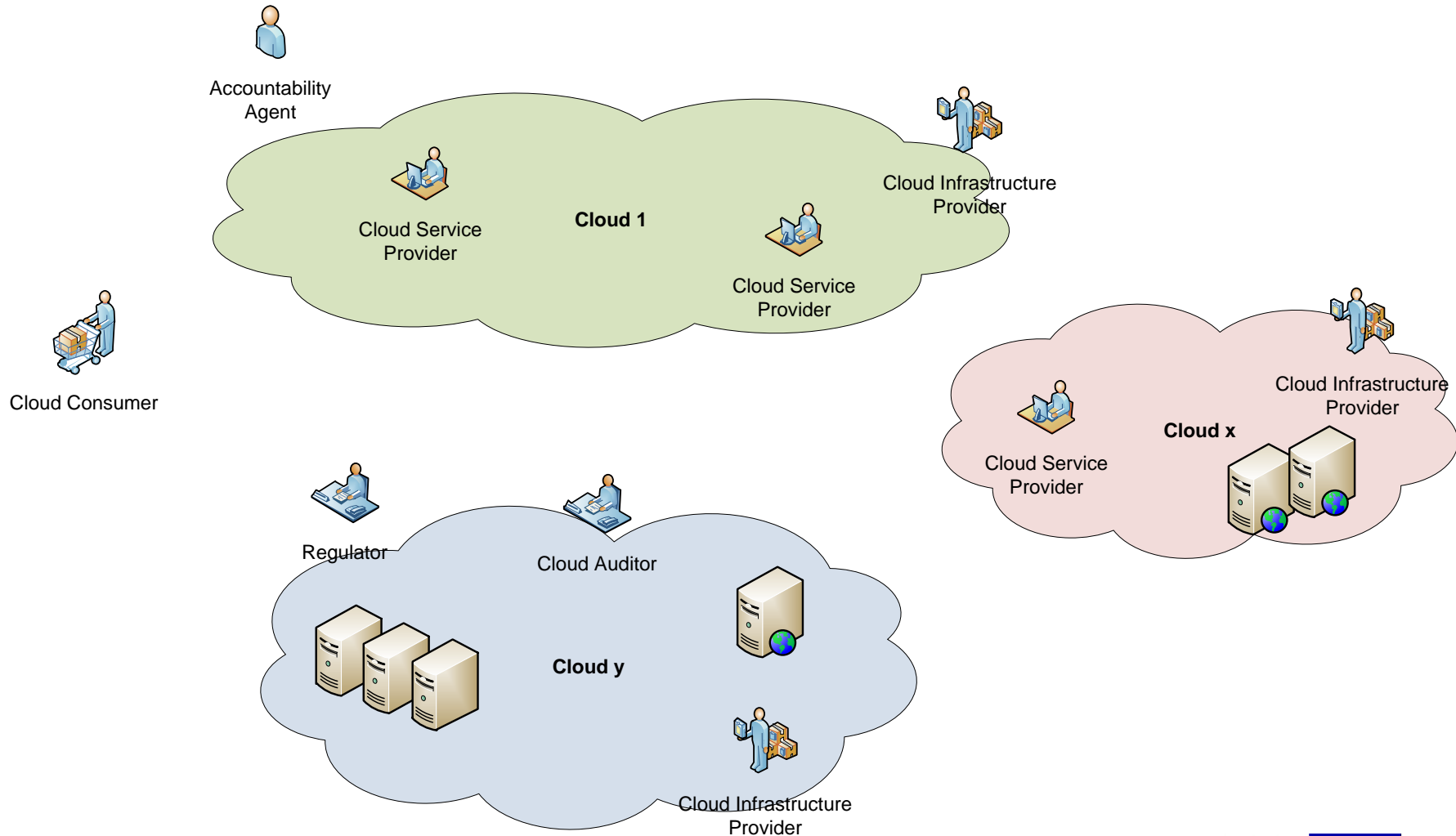


# Protecting Personal Data



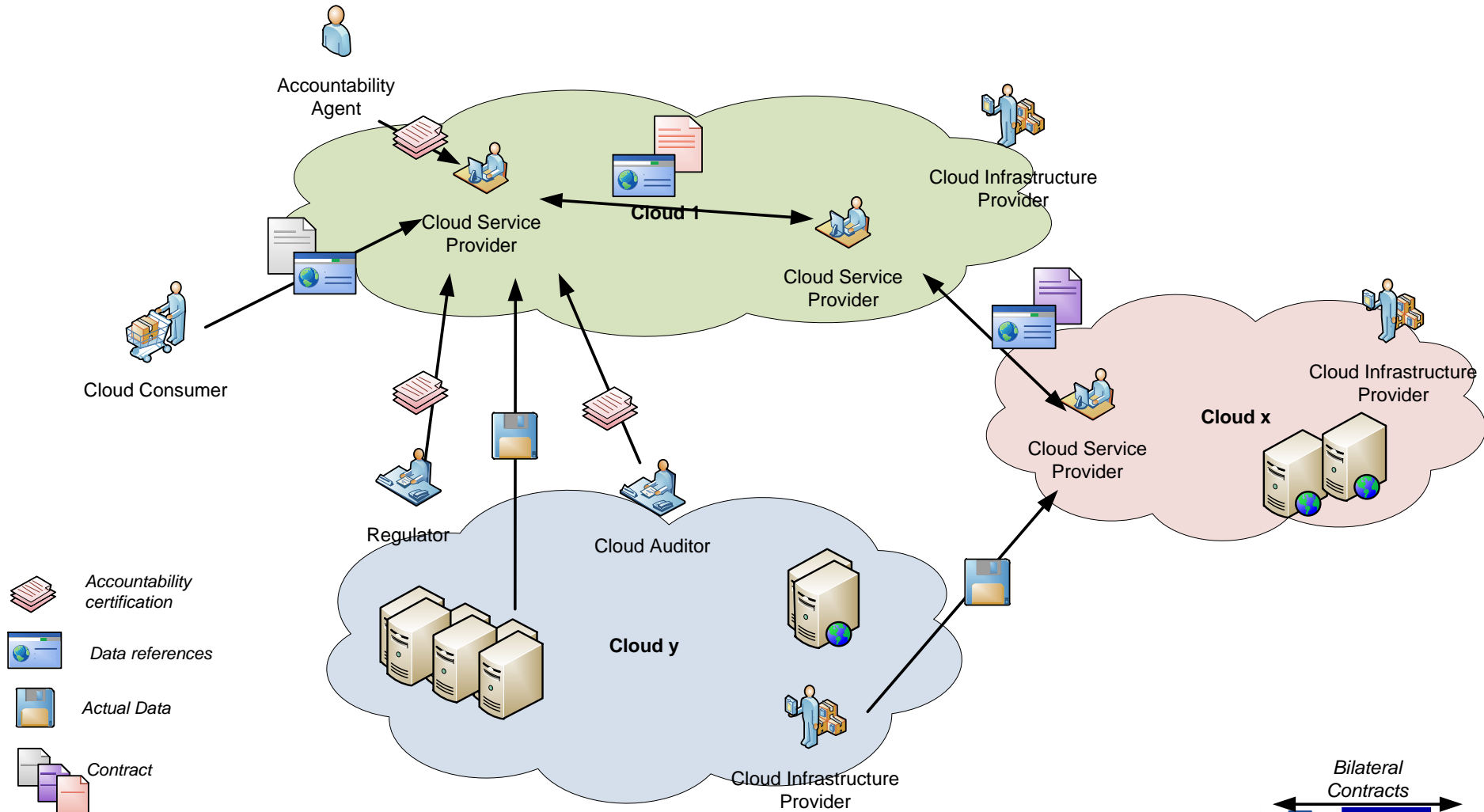


# Respecting Confidential Information





# Respecting Confidential Information





# Stimulating uptake and interest

---

Demonstrating visible presence & leadership by partners

Publishing requirements, concepts and approaches early in the project

Targeting communities of interest and identifying early adopters

Engaging in standardisation during the project lifetime

Publishing guidelines and practices for cloud providers and users to use

Reference implementations and pilot services

Make all stakeholders accountable for the use of data in the cloud

- Shift the balance of power in the relationship between providers and users of cloud services

Scale of economics on bringing data intensive services to the market

Uptake on new added value services

Novel accountability services businesses on the way

**Independent initiative for accountability in cloud services**



## For cloud service users

- Control and transparency over how their data is used
- Help in assessing trustworthiness of CSPs
- Support in obtaining redress

## For service providers

- Techniques to make services more trustworthy
- Ways to satisfy business policies and demonstrate compliance
- Allowing differentiation

## For regulators/auditors:

- Assurance about compliance with policies and regulations



CLOUD  
ACCOUNTABILITY  
PROJECT

# Who we are

## Industry Partners



## Cloud Community & Standardisation



## Coordinated by:



## Research Institutes



**R&D in technical, legal and socio-economic aspects of Accountability**

Collaborative Project under Call 8 of the 7th Framework Programme of the European Commission

- DG.CONNECT – [Unit H4: Trust & Security](#)

Project Start Date: 1st October, 2012

Project Duration: 42 months

Contact us: [info@a4cloud.eu](mailto:info@a4cloud.eu)

**Stay tuned - [www.a4cloud.eu](http://www.a4cloud.eu)**



CLOUD  
ACCOUNTABILITY  
PROJECT

# Thank You.

