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*« networking the networkers »*

## Facilitating Inter-Federations



# Overview

- › Trust
- › Identity Federation in Europe
- › Interoperability of different federations
- › REFEDs
- › Future plans



# Real Life





# Mapping Real Life Into Applications

Applications need to 'trust' information presented by/about users

Users 'trust' that their personal data are not disclosed

## TRUST

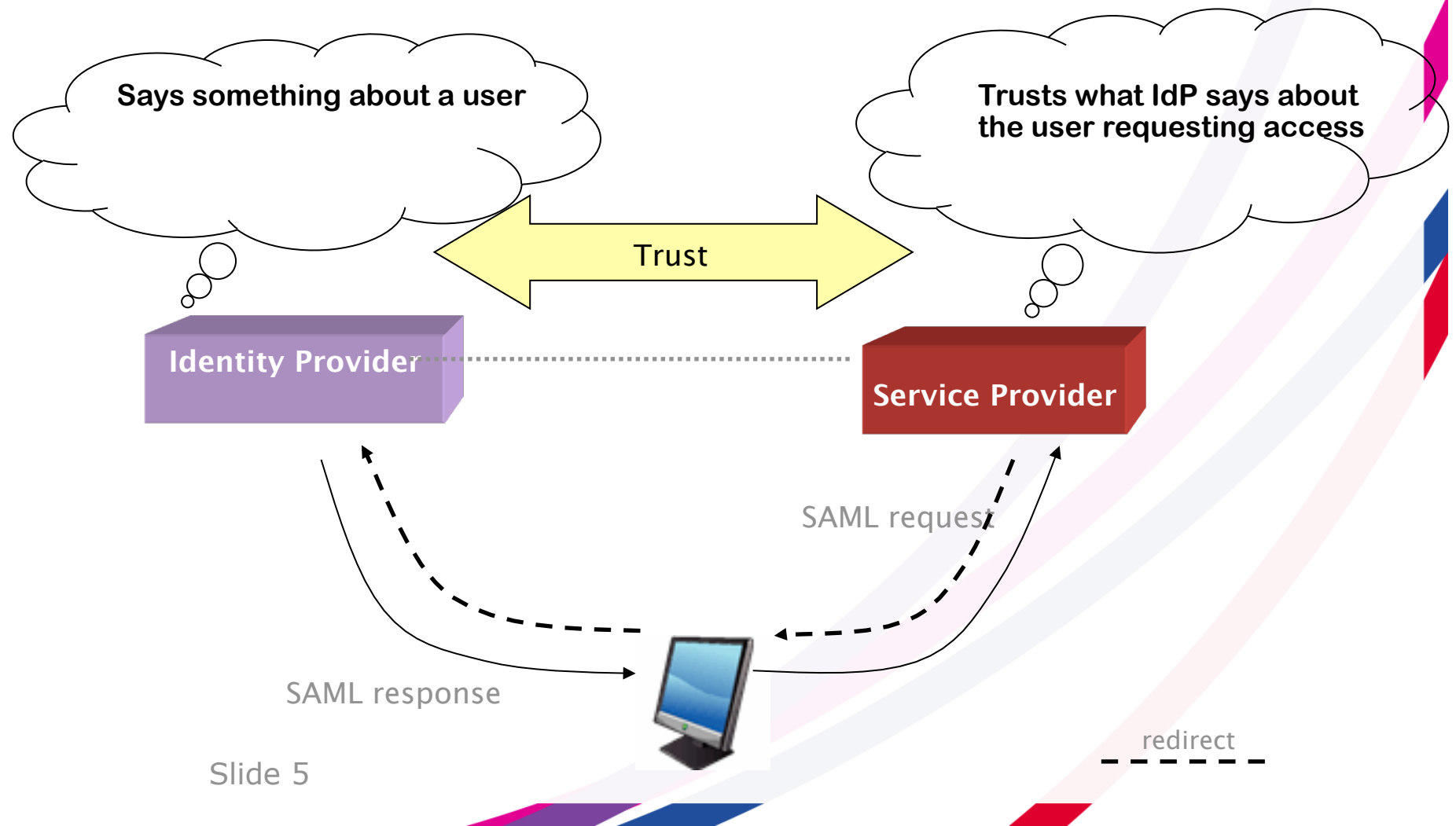
Acting on what is said often requires trust in who said it and in what context

Like in real life there must be a process to deal with disputes

Users 'trust' the reputation of a system



# Why Identity Federations?





# Identity Federation Elements

> Protocols ensure security  
> Protocols are used to build technical trust

> Policy: conceived to map what protocols are not able to address

**TRUST**  
Acting on what is said often requires trust in who said it and in what context

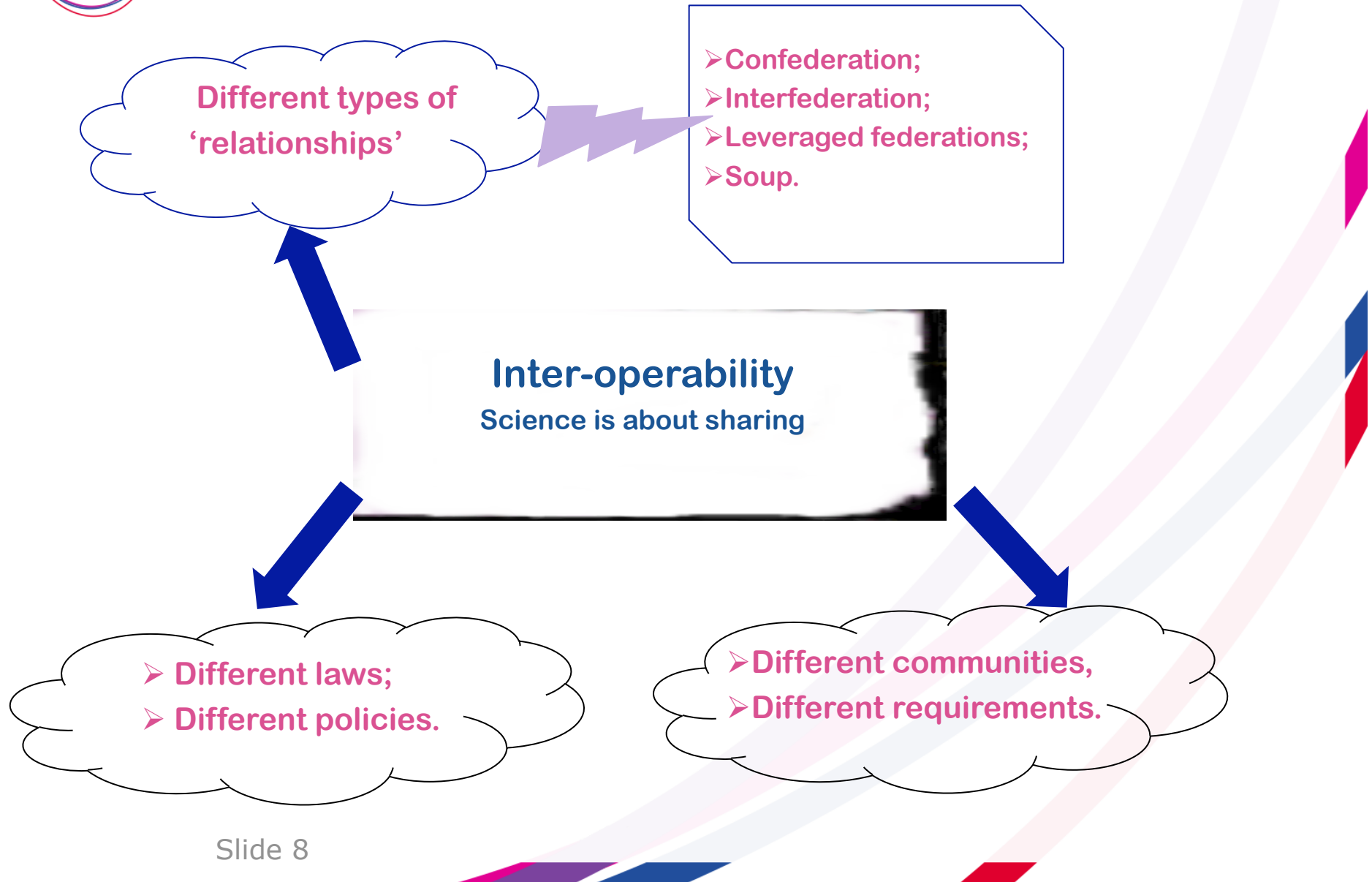


# Identity Federation in Europe

- › SAML-Federations in EU:
  - › Shibboleth most used technology,
    - › But not the only one 😊
  - › SAML2 as common language
  - › Different deployment:
    - › Recently created federations: Italy, Germany, Ireland, France, Sweden.
    - › Operational: Switzerland, UK, Croatia, Netherlands, Spain, Czech Republic, Norway, Finland, Denmark.
  - › GÉANT:
    - › eduGAIN to provide an AAI framework to support various GÉANT services;
- › eduroam:
  - › To provide federated wireless access throughout Europe.
    - › And beyond (Australia, Canada, Asia)



# Propagation of Trust







# REFEDs

## Who

- International group of expert dealing with policies:
  - EU, US, Canada, Australia, Japan Latin America

## What

- Exchanging, developing and harmonising federation policies and processes to facilitate inter-federation



## Where

- Policy coordination
- Privacy and Data protection
- The case for federations
- LoA

## Why

- To use policies in a constructive way



# Results

➤ First documents on “Privacy and Data Protection”:

- Federated Access Management [Dec 2008] [Draft]
- Pseudonymous Identifiers [Dec 2008] [Draft]
- Good Practice for Federated Access Management [Dec 2008] [Draft]

➤ Wiki

- Data on 17 federations



REFEDs  
Results

A rectangular area containing a blurred screenshot of a document titled "REFEDs Results".

➤ JISC recommendations

- Policy
- LoA



# Liaisons

- **EU relevant bodies and projects:**
  - Data Protection (Article 29 WP);
  - EU eID pilot (STORK);



- **Grid communities,**
- **Government**
- **Others**



# Conclusions

- › Trust
  - › We need fewer and easier to compare policies;
  - › REFEDs can make this happen;
- › Identity Federations impact all parts of the network infrastructure, not only middleware.
  - › Especially in the new vision of expanding the federated framework to support different set of applications and network.
- › Next REFEDs meeting:
  - › 7 June 2009 @ Malaga