

# **Towards a Collaboration Infrastructure**

Niels van Dijk, SURFnet,  
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**Phase 1**  
**1990-2012**

*Monolithic  
and  
closed*

**Phase 2**  
**2007-..**

*Federated  
access*

**Phase 3**  
**2009-..**

*Domesticated,  
modular  
and  
open*

Rigid



Flexible

## PHASE 1

Multi-institutional collaboration  
via SURFgroepen.

AT THE LIMIT.



# SURFgroepen



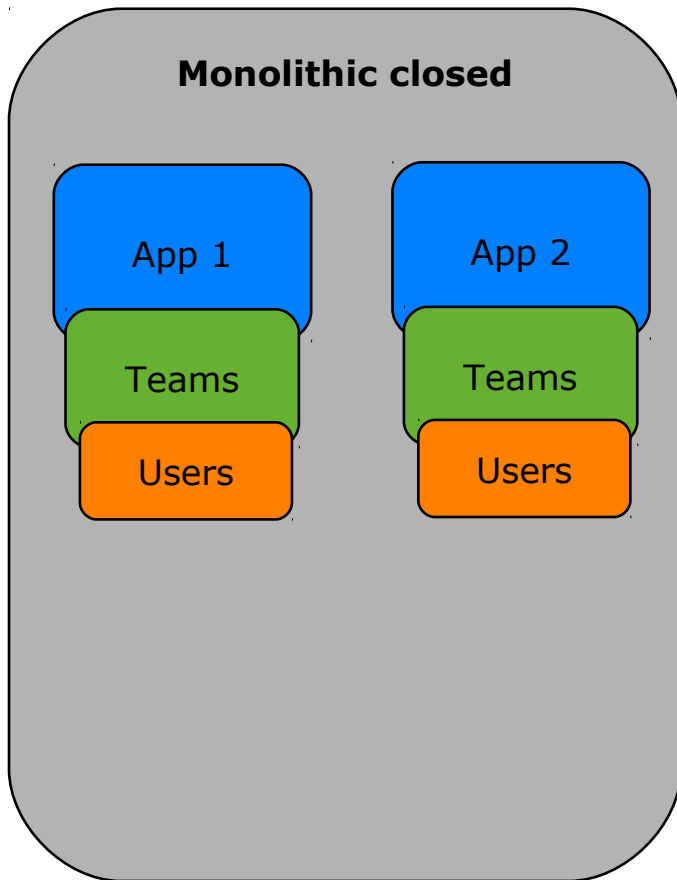
# Online Collaboration anno 2010

SURF  
NET



# Fase 1

## Monolithic and Closed



*Problem:*

- *Lack of interoperability*
- *Separate authentication for each environment (many usernames & passwords)*

How can we smoothly and securely integrate the applications and services of multiple providers?

## PHASE 2

Access to multiple online collaboration services  
via SURFfederatie.

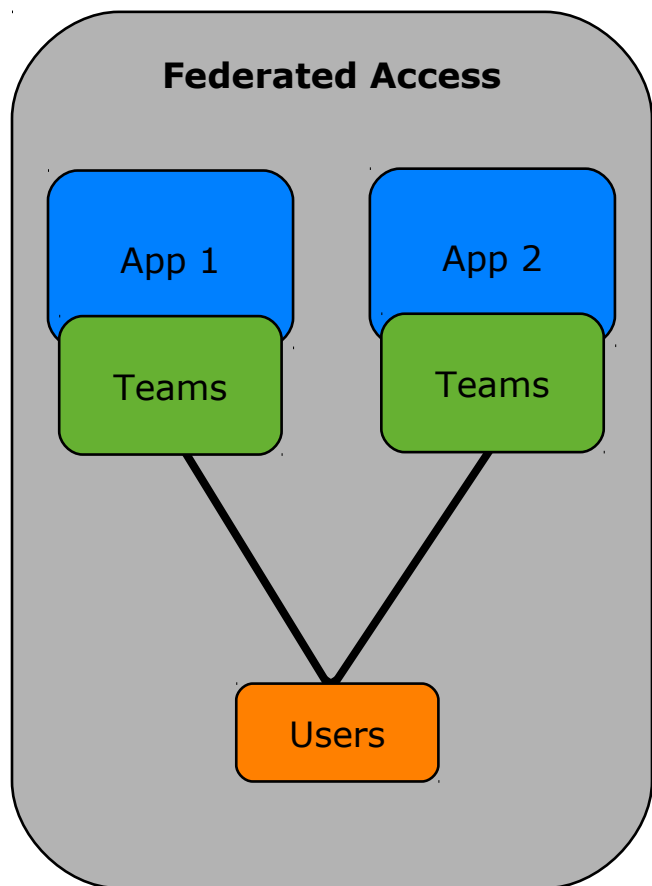
SECURE AND RELIABLE.



# SURFfederatie



# Fase 2 Federated Access



- *Secure and reliable access via SURFfederatie, SURFnet's authentication platform*
- *Log in with your institutional account*
- *An important first step and requirement for a Collaboration Infrastructure*
- *49 IdPs and 30 SPs (recently added Google Apps & Live@EDU)*

## PHASE 3

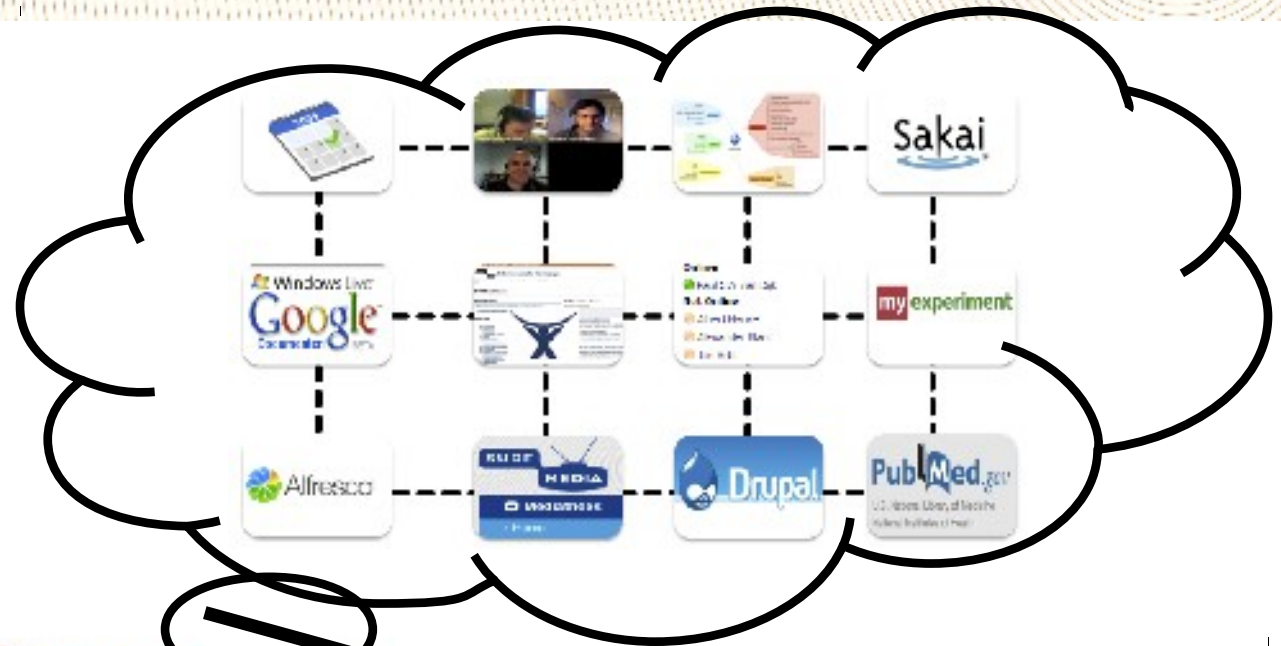
Online applications and collaboration services linked to one another in the Collaboration Infrastructure for optimal collaboration in higher education and research.

THE CONNECTING FACTOR.



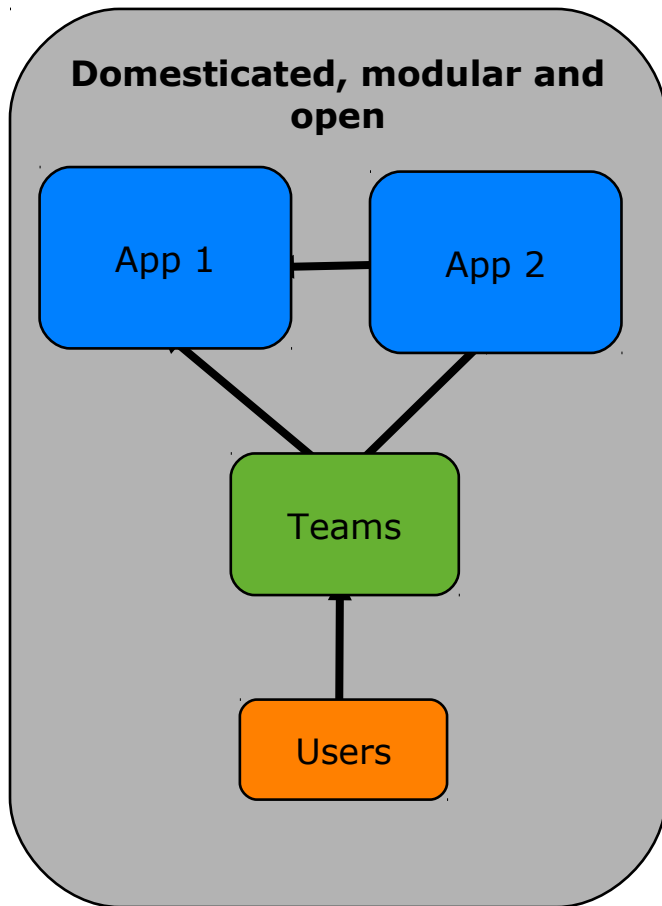
# Collaboration Infrastructure

SURF  
NET



# Phase 3

## Domesticated, Modular, Open

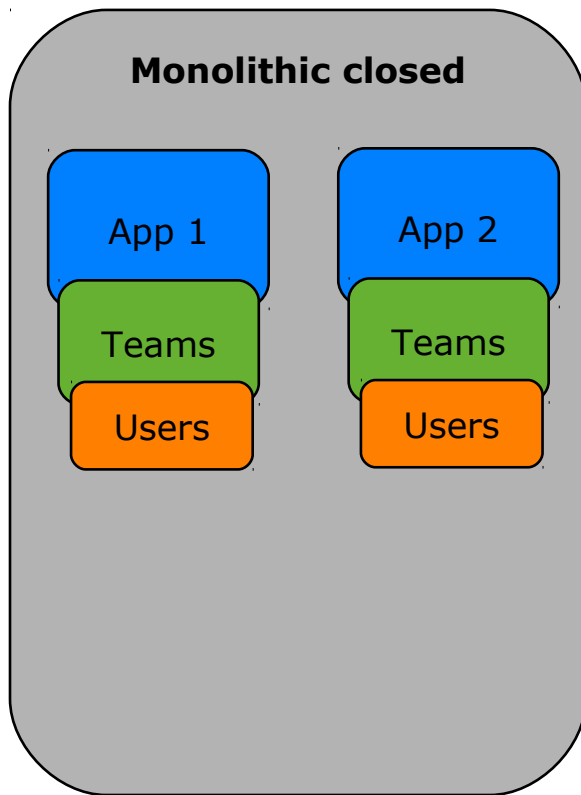


- *Open standards based infrastructure*
- *National and international online collaboration based on applications provided by:*
  - *Commercial parties*
  - *Institutions*
  - *SURFnet*
- *Interlinking applications must be connected to SURFfederatie*
- *SURFnet provides 'glue' services:*
  - *Central management of groups*
  - *Facilitate provisioning and deprovisioning*
  - *Support SP centric data aggregation*
  - *Registration and monitoring*

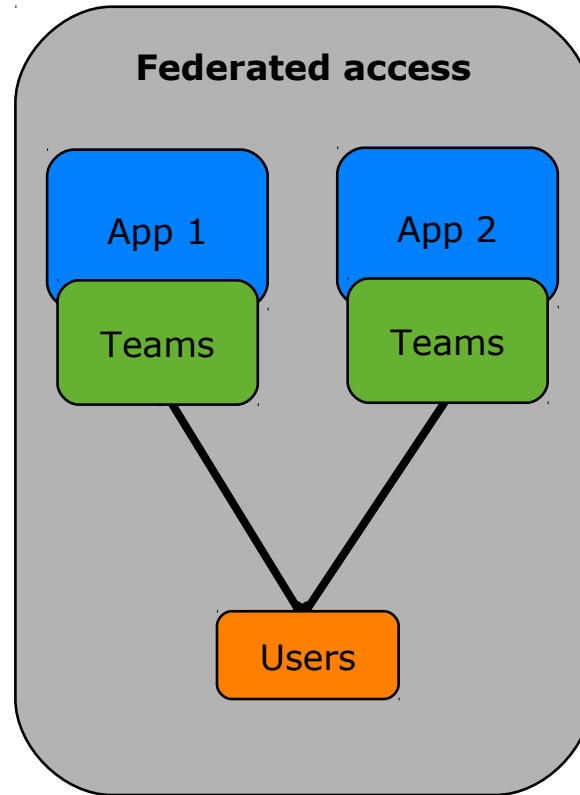
# Overview



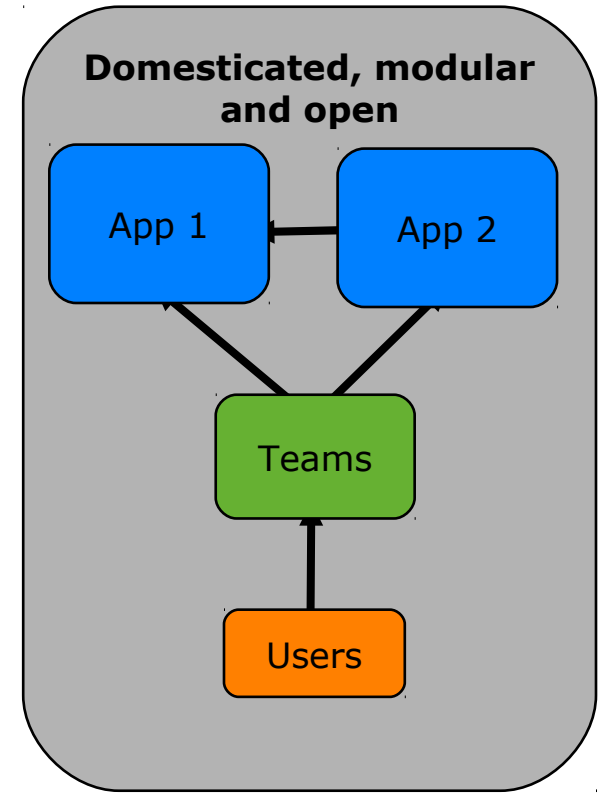
**Fase 1**



**Fase 2**



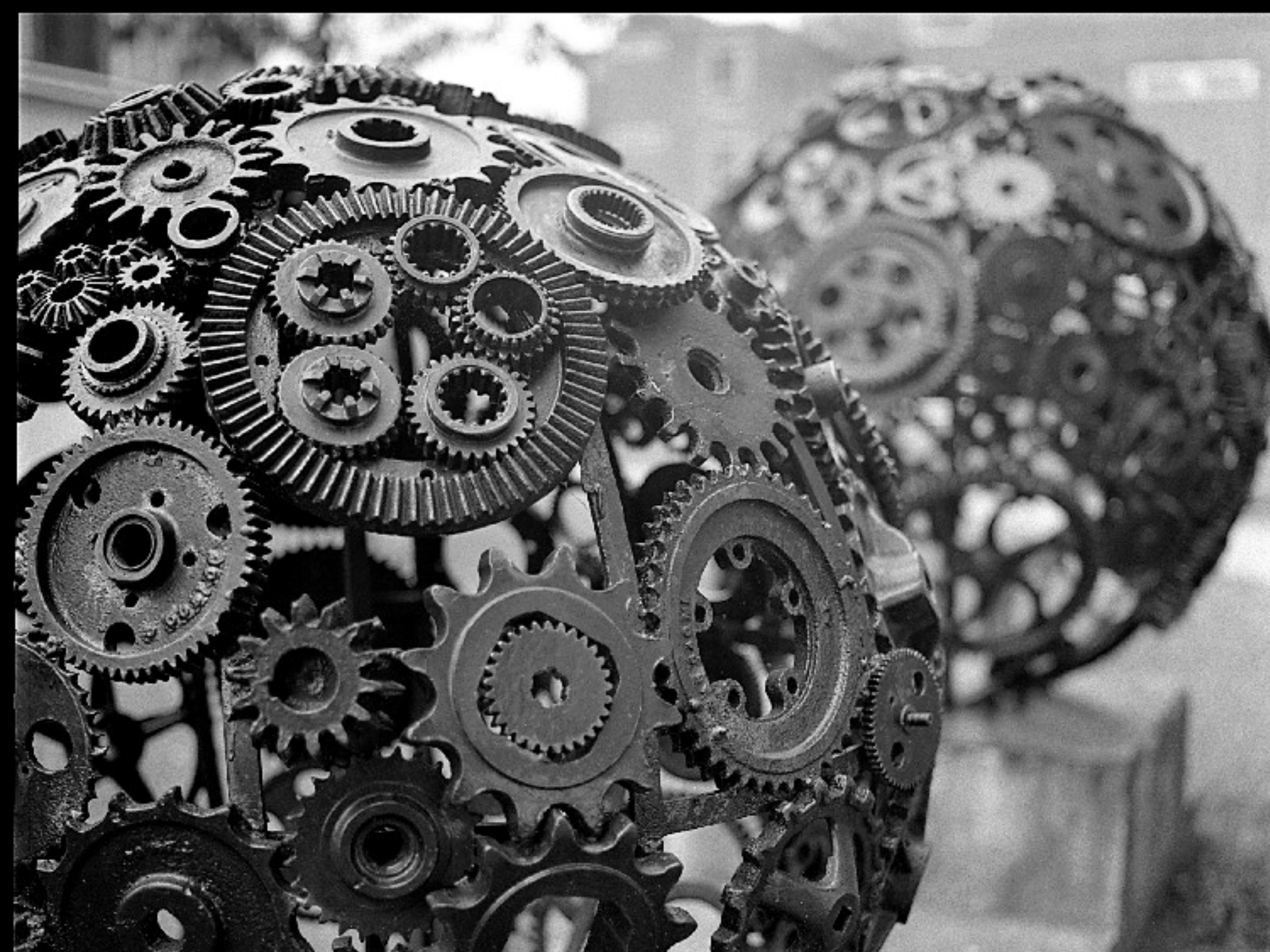
**Fase 3**



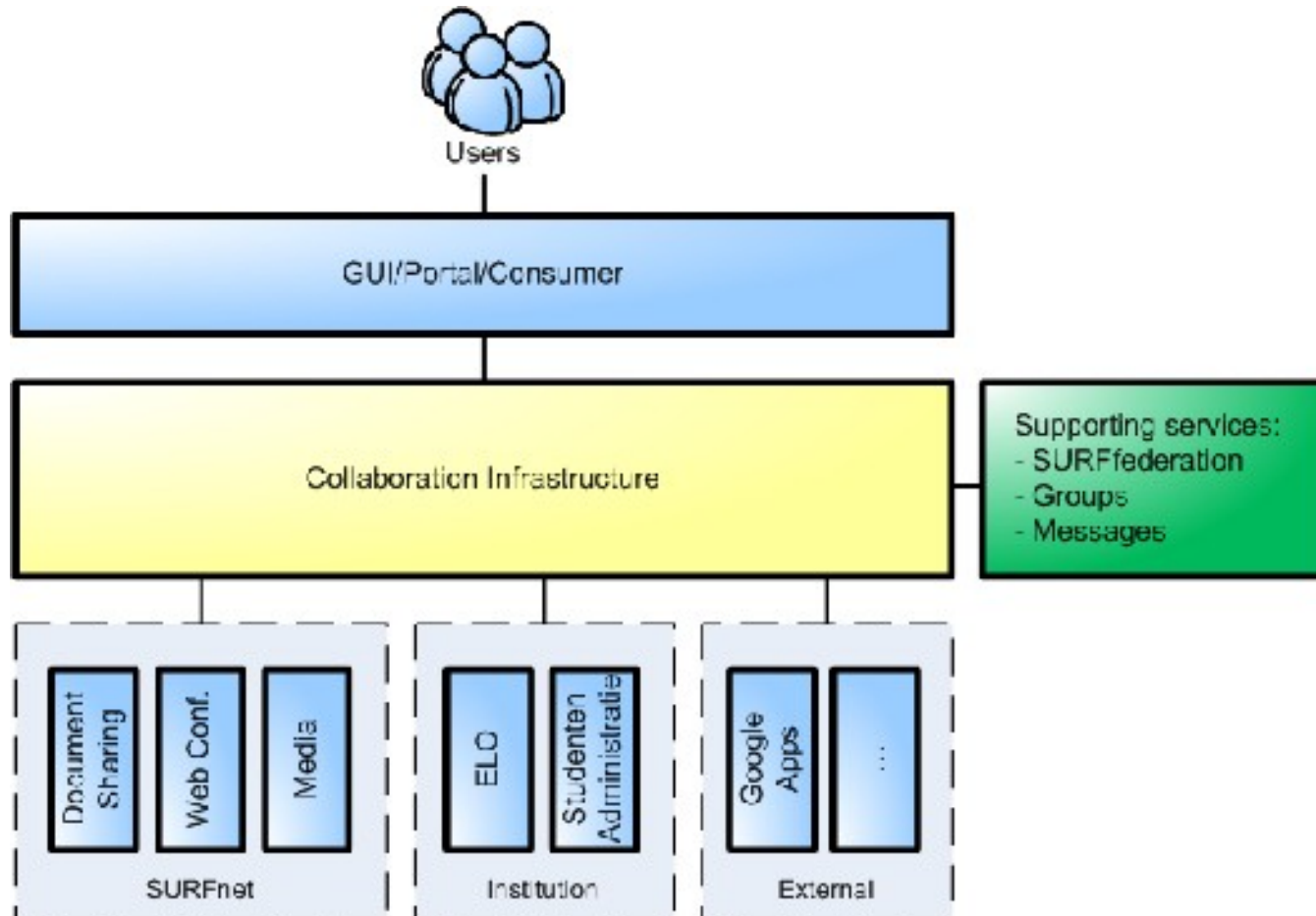
*Rigid*



*Flexible*



# Architecture



# COIN 2010 Schedule

