*U*biquitous *I*nformation *F*ramework™

Organizational Challenges of the Enterprise 2.0:

Innovation & Integration

www.aseaco.eu

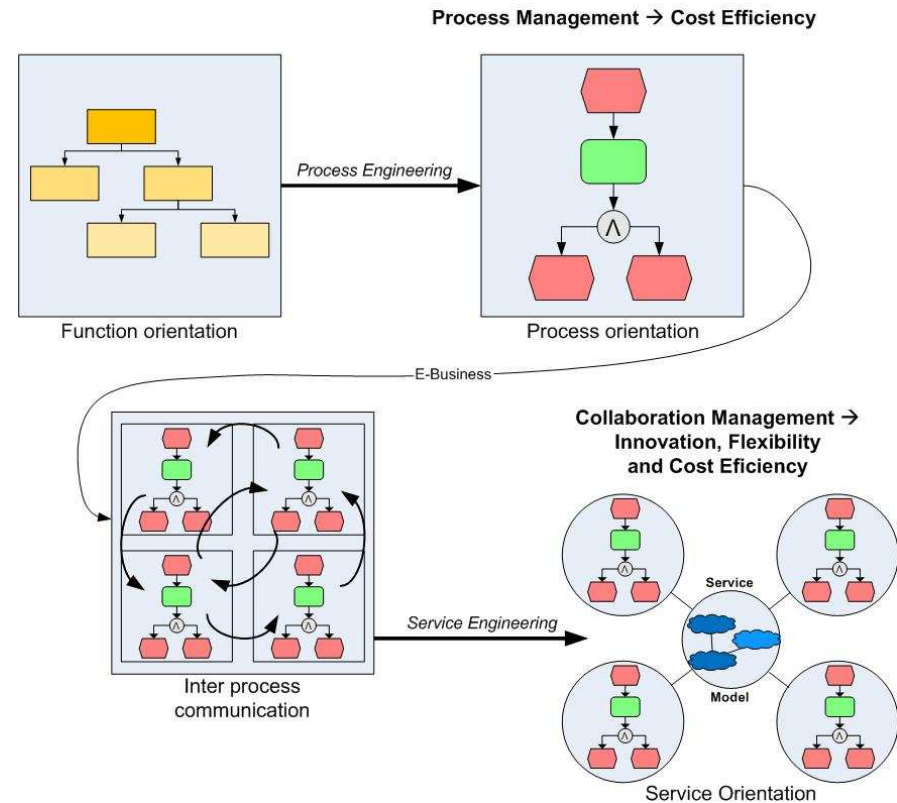# Collaborative Modeling of Organizations

Evolving Business Scenarios

Globalization drives innovative enterprises to develop service oriented organizations.

In these companies process management is enhanced by collaboration management.

Service orientierted IT-architecture is essential for IT support of this development.

(cf. www.collaboration-management.de)

Process Management → Cost Efficiency

Function orientation

Process Engineering

Process orientation

E-Business

Inter process communication

Service Engineering

Collaboration Management → Innovation, Flexibility and Cost Eficiency

Service

Model

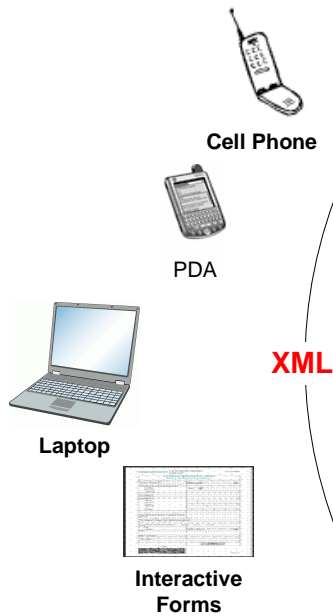Service Orientation

Our Objectives

- Flexibility and innovative strength of enterprises have to be empowered by new organizational and technological approaches.
- These approaches also have to act contrary to the decreasing amount of control of business processes.

  (Heise-Ticker 17.5.2011 / Study of the Forum "Quo vadis BPM?":
  > 60% of all business processes in examined companies are not supported by central ERP systems. The rapidly increasing requirement of flexibility even accelerates this trend. This process often does not comply to corporate governance and makes business processes uncontrollable.

  c.f.. http://www.heise.de/newsticker/meldung/IT-verliert-Kontrolle-ueber-Geschaeftsprozesse-1244454.html

- Enterprise 2.0 strategies are able to support the rapidly increasing demand of innovation, flexiblity, and control of business processes.

- Enterprise 2.0 strategiers only add value if they comply to integration requirements of modern enterprises.

  c.f.. http://www.aseaco.eu/enterprise20

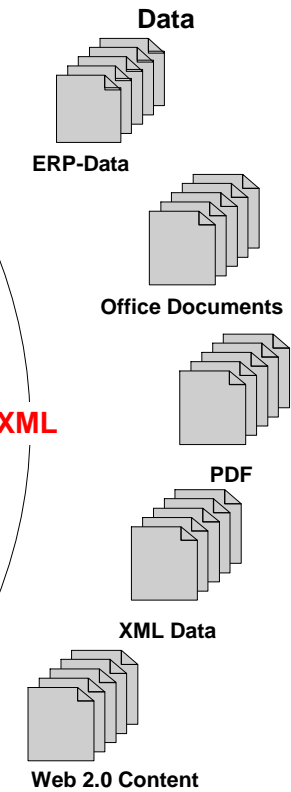# Ubiquitous Information Management
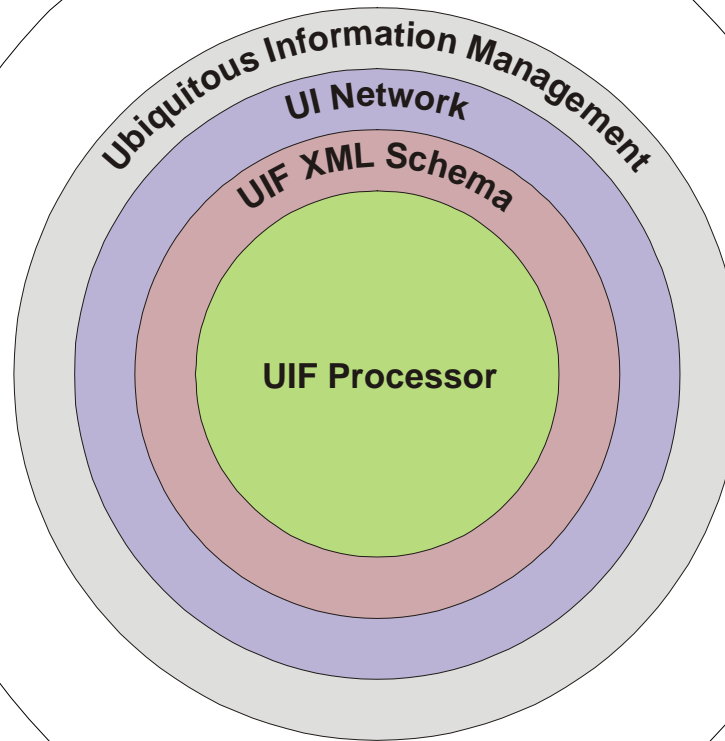
aseaco
Unternehmensberatungs AG

- Ubiquitous information management is an essential prerequisite and the technical base of every approach to collaboration management.
- Ubiquitous information management enhances classical information management by managing
  - each and every information,
  - from any source and format,
  - at any time,
  - delivered to any device.
- The *aseaco Ubiquitous Information Framework™* is an unique and innovative technical solution platform for an ubiquitous information management.
- Functionality and usability of the existing robust and established ERP applications are increased by a seamlessly integration with innovative, flexible, and cost-saving web 2.0 applications.
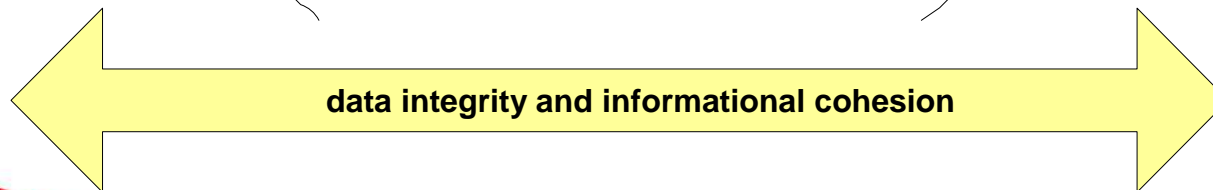
aseaco Ubiquitous Information Framework™

Collaboration with several devices

Cell Phone

PDA

Laptop

Interactive Forms

...

XML

Ubiquitous Information Management
UI Network
UIF XML Schema

UIF Processor

XML

Data

ERP-Data

Office Documents

PDF

XML Data

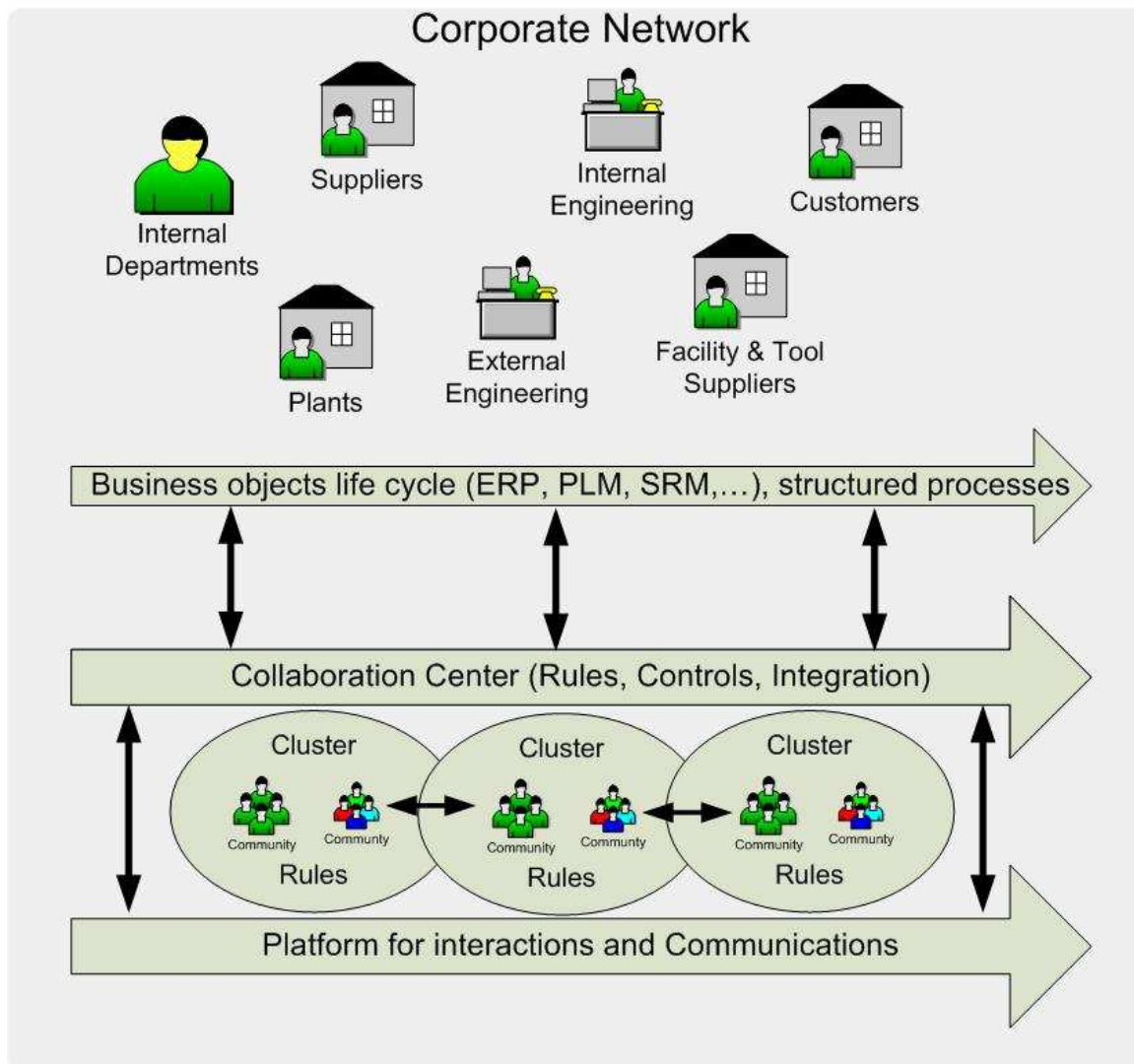Web 2.0 Content

data integrity and informational cohesion

Collaboration Framework

- The established and well-proven ERP-systems do not match to the increasing requirements evoked by the extended enterprise.

- Emerging corporate networks require the implementation of a collaboration framework.

- Enterprise 2.0 strategies can provide an organizational and technological background for implementations – but this is not sufficient:

- Now the aseaco UIF enables customers to implement collaboration centers which are generated and controlled by structures and content of ERP business objects.

Corporate Network

Internal Departments — Suppliers — Internal Engineering — Customers — Plants — External Engineering — Facility & Tool Suppliers

Business objects life cycle (ERP, PLM, SRM,…), structured processes

Collaboration Center (Rules, Controls, Integration)

Cluster — Community — Community — Rules

Platform for interactions and Communications

Definitions

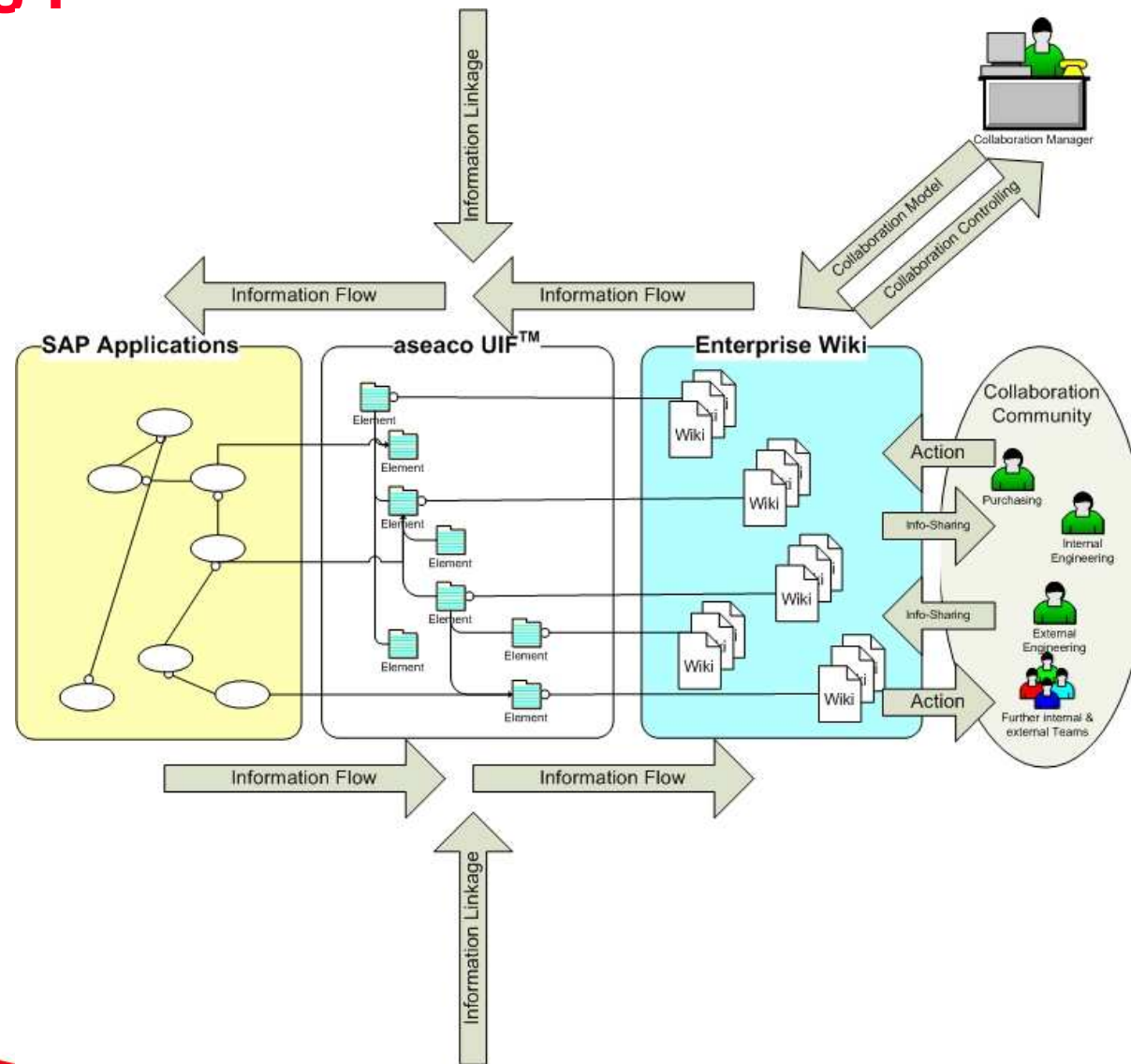- ## Collaboration Cluster

  Temporary organizational units controlled by methods and rules, which are mainly defined by the life cycles of structured business objects.

- ## Collaboration Center

  Central cockpit for the implementation of a collaboration model that operates and controls a collaboration cluster.

- ## Collaboration Framework

  Technological basis for collaboration clusters and centers that integrates ERP and web 2.0 technologies.

Some steps towards Ubiquitous Information Management

- The *aseaco Ubiquitous Information Framework™* (UIF) does not only store information and keeps them available – beyond that also links are managed in an ubiquitous information (UI) network.

- The technical base of the *aseaco Ubiquitous Information Framework™* is a generalized XML schema.

- Interpretation of the XML schema, management of the UI network and much more functions are operated by the UIF processor – a powerful J2EE server application.
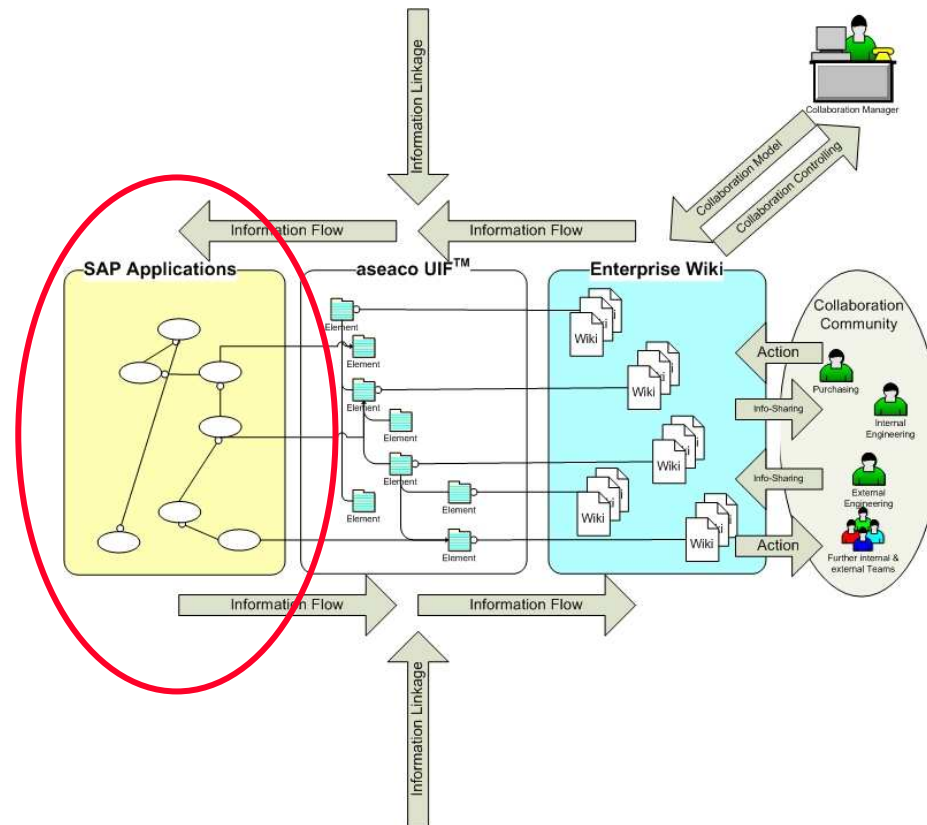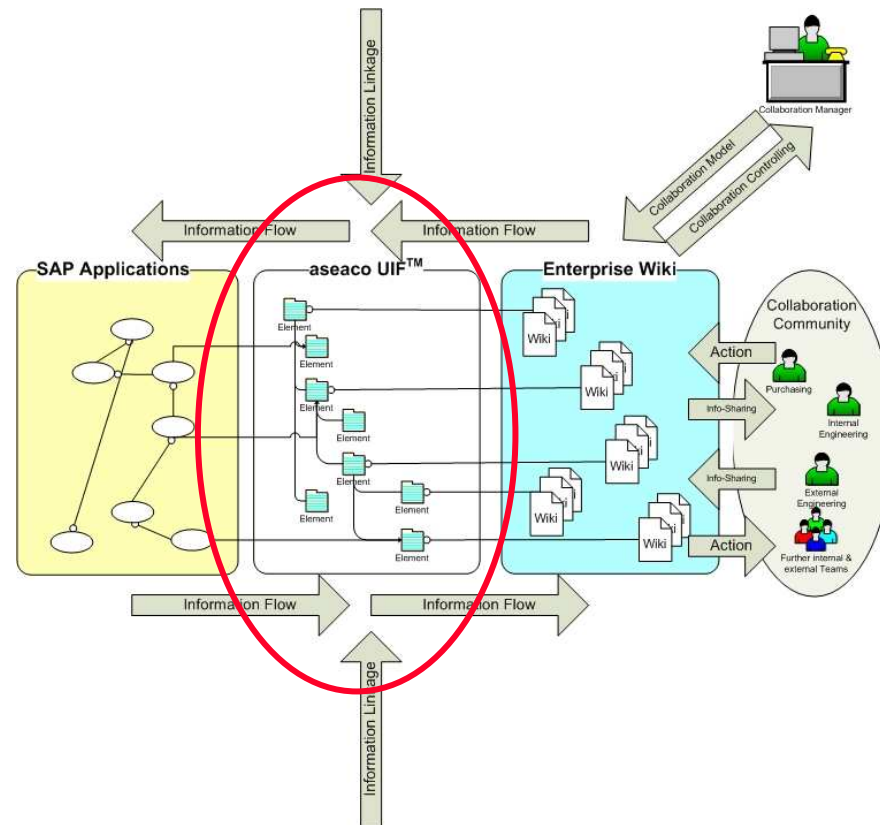
The big picture

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- Business objects in ERP applications typically appear in hierarchical structures.
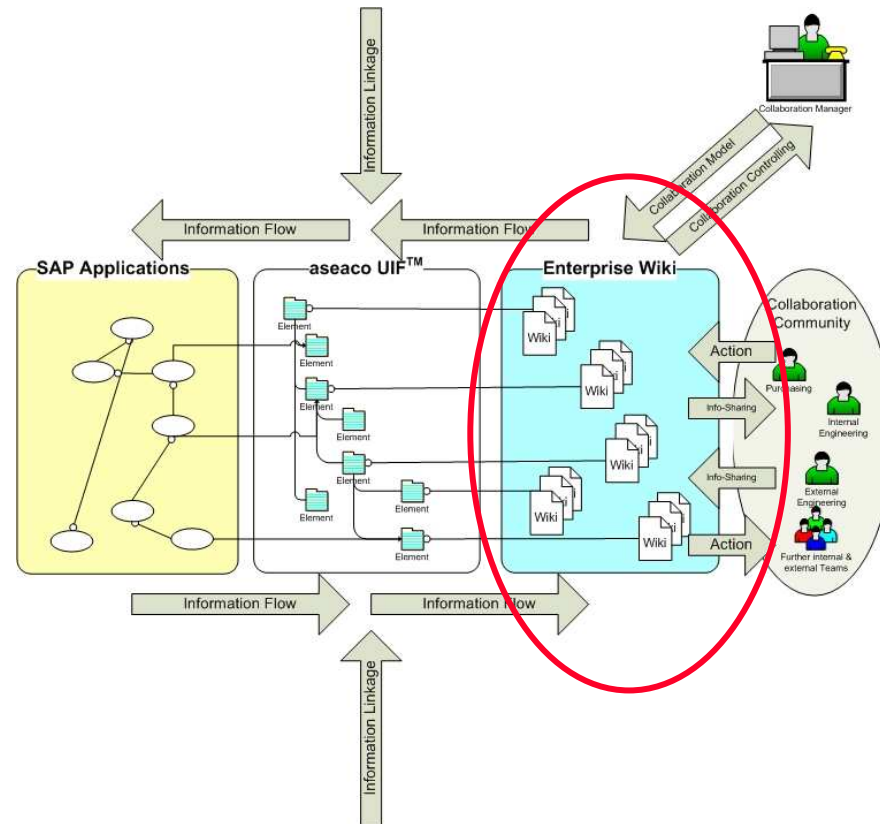
The big picture - 3

- The *aseaco UIF™* extracts the required structures into a tree model in the underlying internal XML schema.

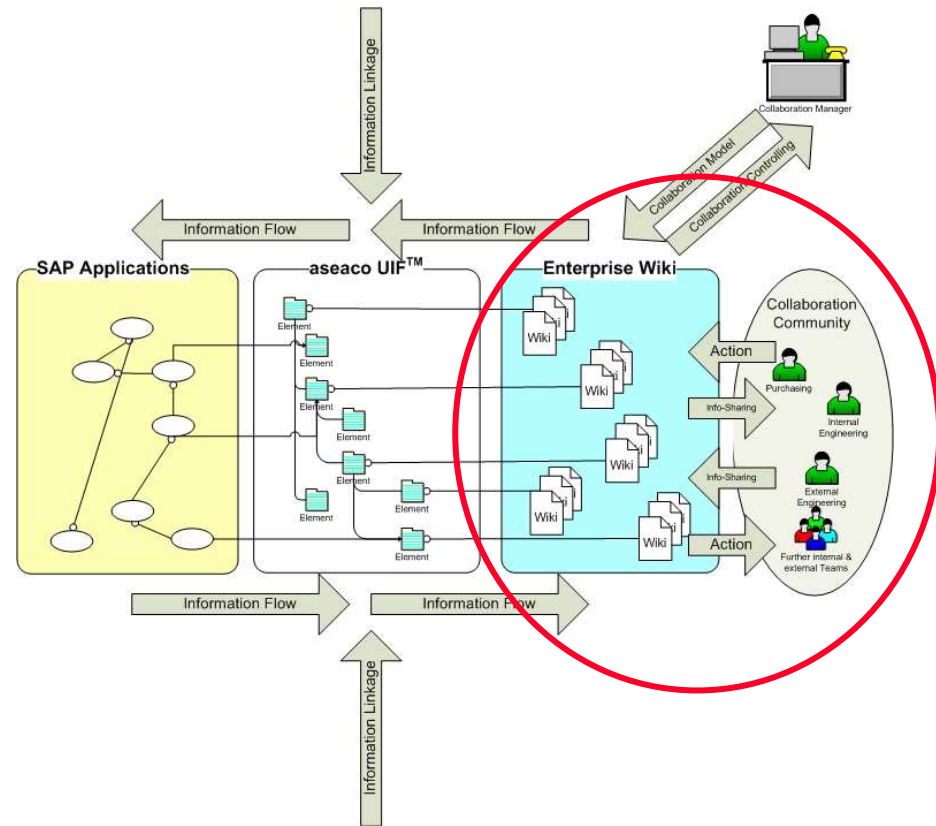- A tree model provides potential to integrate several hierarchy trees from ERP applications.

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The big picture - 4

- Based on the tree model the *aseaco UIF™* automatically generates, controls and updates topics in a web 2.0 application (e.g. an Enterprise Wiki).

The big picture - 5

- In such an architecture the web 2.0 application provides collaboration environments for several communities in collaboration scenarios.
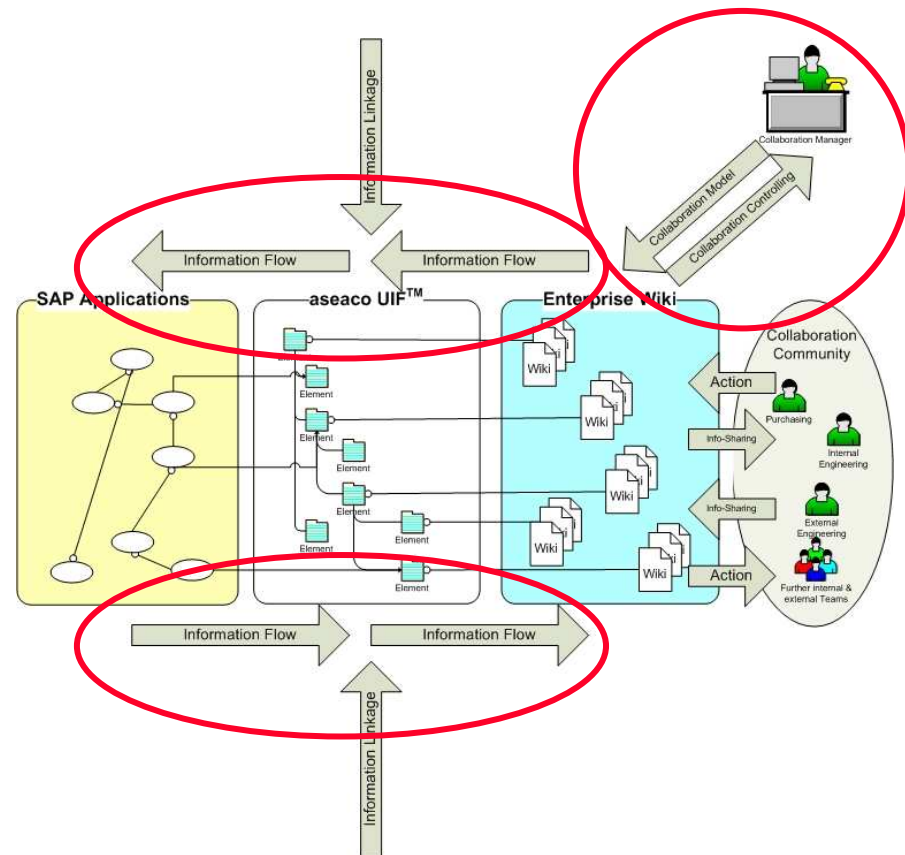
The big picture - 6

Realizing collaboration centers with the *aseaco UIF™* is not just integrating different data objects with adapters.

Implementing the big picture of collaboration management is primarily focussed on

• defining the collaboration model,

• designing the information flow,

• defining the rules and controls.

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Conclusion

Collaboration management is the new organizational paradigm for competitive and innovative enterprises:

– There is a global evolution of companies to complex company networks.

– Business operations are more and more integrated in partner and value creation networks.

– Organizational and (IT-)technical support of collaboration management is vital for every competitive cmpany.

The *aseaco Collaboration Framework*™ is an innovative solution platform for these efforts. By supporting collaboration management initiatives with the integration of structured ERP systems and Enterprise 2.0 strategies the *aseaco Collaboration Framework*™ provides a flexible, cost effective, value adding, and secure approach to realize and manage the new organizational and technical solutions required today. It enables companies

– to increase the speed of innovation processes based on an ubiquitous information management,

– to realize a remarkable amount of cost reduction by integrating all required internal and external players with it´s collaboration platform,

– to build up business-process- and target-group-specific, comprehensible communications and replace the typical confusing information mess based on emails and file attachments.