

Platform Design for the B2(B2B) Approach

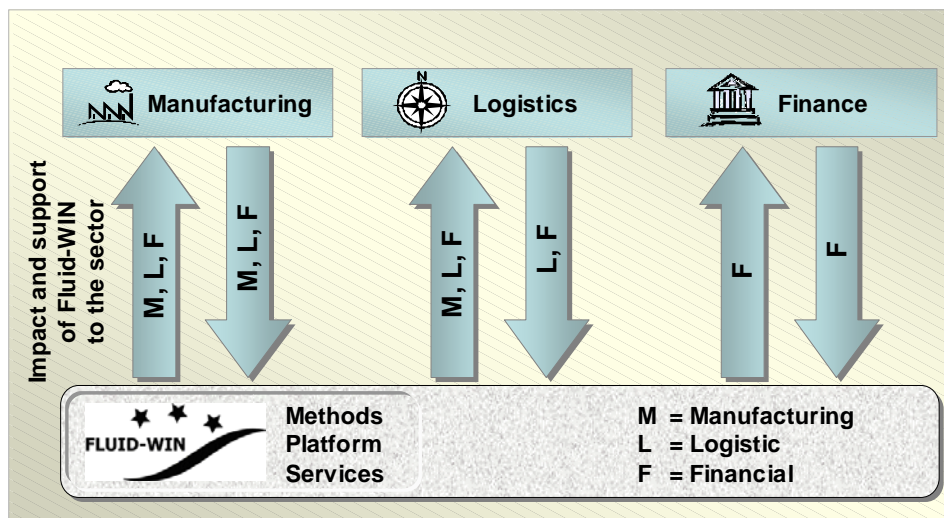
Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008

Services and Domains

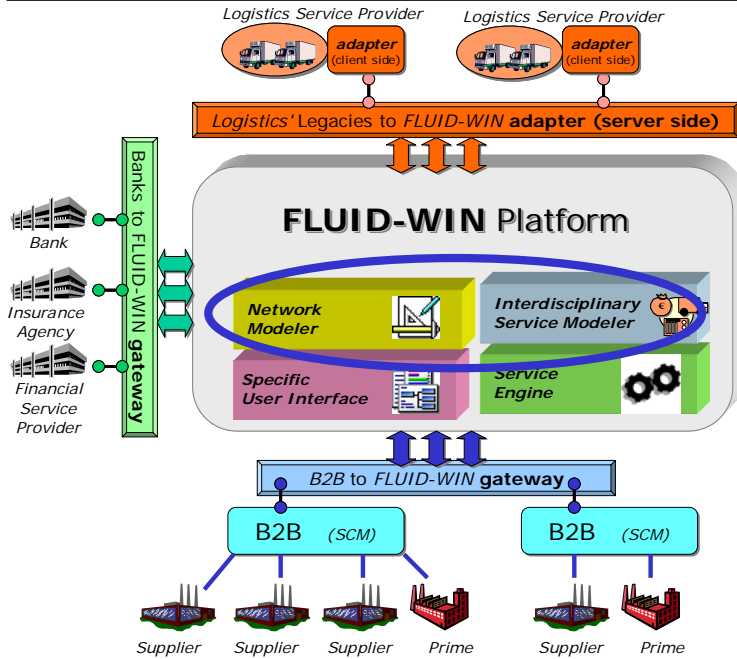


Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008



Network modeller to model players and roles, workflows of the processes (defined in the FLUID-WIN B2(B2B) model)

Interdisciplinary service modeller to model documents circulating in the FLUID-WIN platform, views of the different players, services among all players (interdisciplinary services).

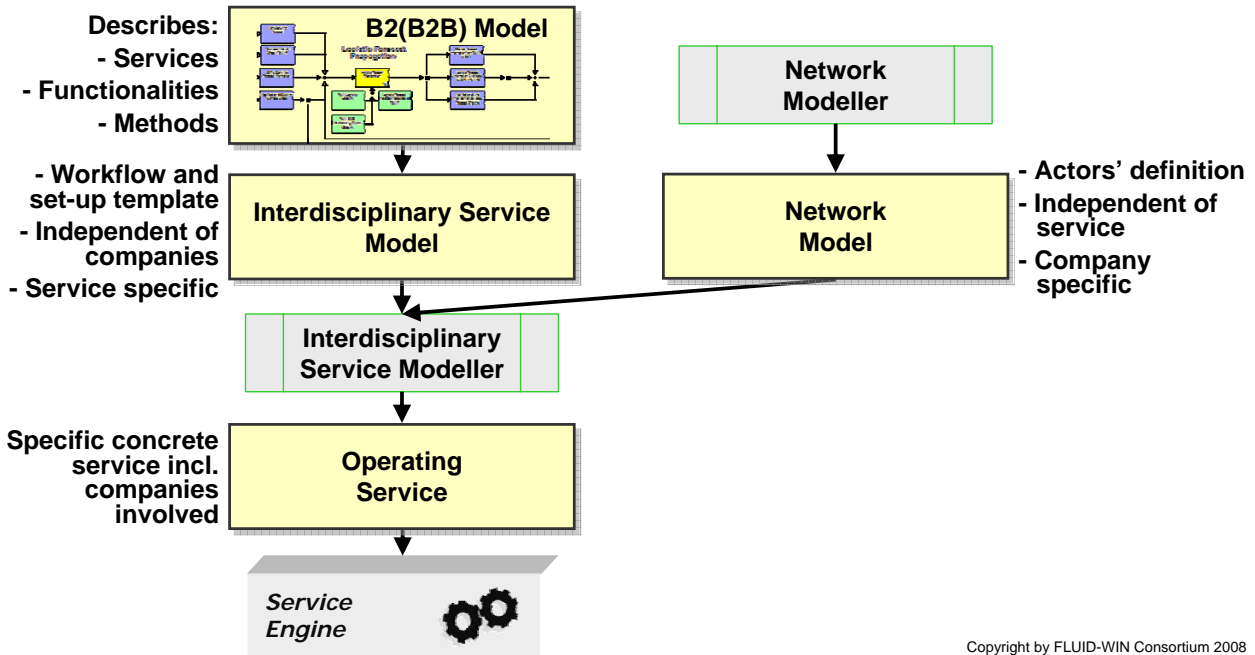
Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008

Platform Configuration and Customization



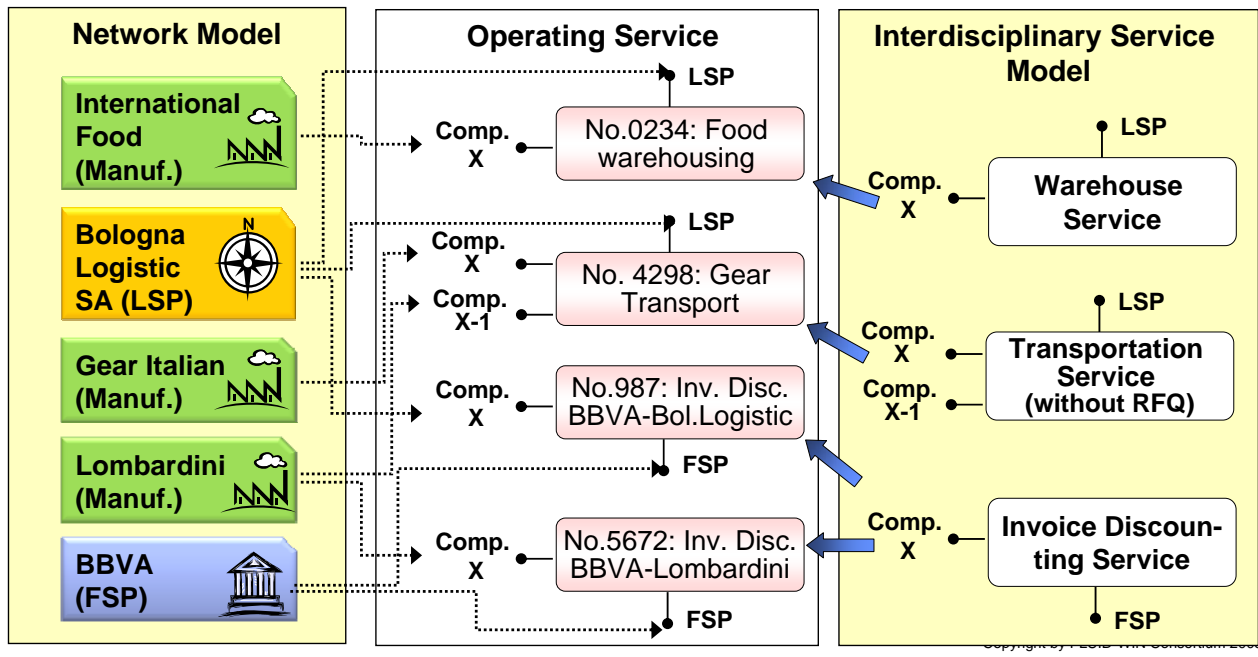
Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008

B2(B2B) Model Structure - Example



Michele Zanet



IESA Conference
Berlin, 27-03-2008

Network Modeller

User data management

Managing data via UI/F by system administrator

Information Group	Information Element	Description	Sample
Business Partner's Master	FSP Short Code	A short code to identify the FSP. Can be the SWIFT code used by banks in order to be unique.	HSBC-MT
	Contact Details	Address and information details the company wants to display on FLWP.	Republic Street, Valletta, MALTA Tel: 00356 23802380 Web: www.hsbc.com.mt
User's Master (ID, name, etc.)	First & Second Name	Name of the user to be displayed in the different FLWP GUIs or message notifications.	
	Username and Password	Username and password assigned to the user as normal level of authentication (via HTTPS).	
	Log in Procedure	Description and string of initialization with login username, passwords and handshaking procedure.	
Security Mechanism (technical)	Fixed IP Address / Location	The IP address / location or path to query.	
	Public Key	Valid Public Key of the company, level of security and validity dates.	
	List of Incoterm Codes	List of valid Incoterm codes.	DAF, EXW, DDP, etc.
Standard's Master	List of Currencies	Contains a list of international currencies, their names, symbols and short cuts.	Euro - € - EUR US Dollar - \$ - DOL
		

Michele Zanet

Workflow & Report Template is composed from a set of:

- states
- transitions
- rights
- outgoing and incoming events
- functions
- notifications
- constraints

Associated type of document and configurable

→ ISM (Interdisciplinary service modeller)

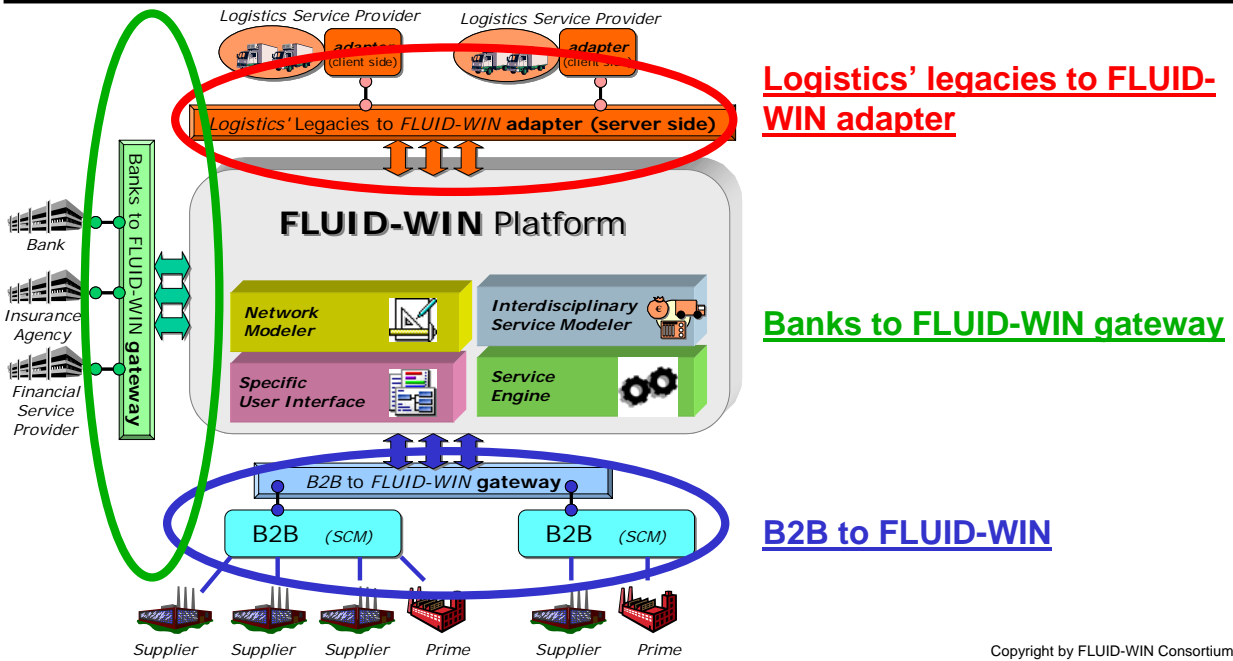
Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008

Interoperability Modules - Gateways



Copyright by FLUID-WIN Consortium 2008

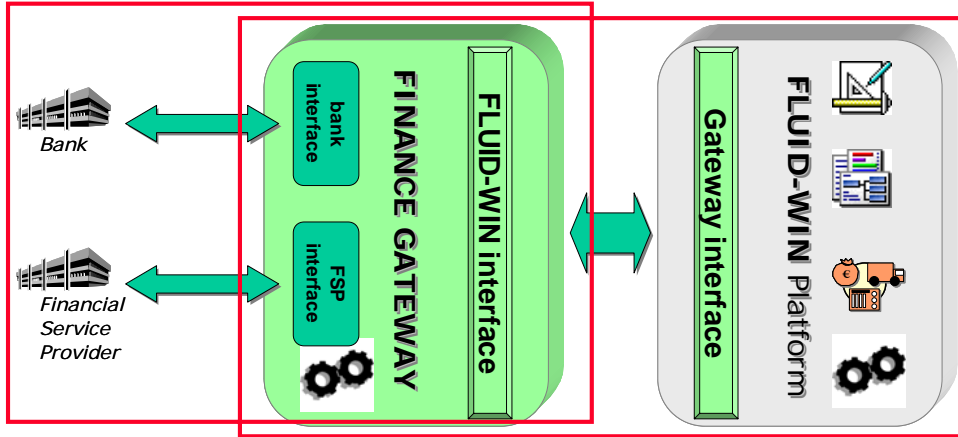
Michele Zanet



IESA Conference
Berlin, 27-03-2008

Users access through the gateway to use services

Communications between platform and gateway via *Web service*



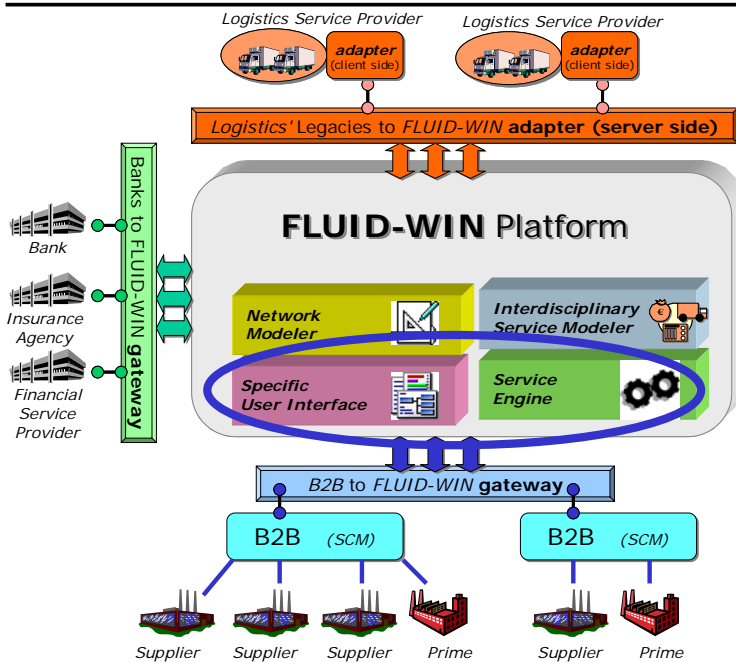
Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008

Managing Modules



Service engine takes care of workflow execution including message exchange.

User interface on Internet browser allows different players to interact with the platform.

Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008

- Management of all messages exchanged between B2B and legacy applications
- Processing and propagation of messages for the domain, and towards interested network players.
- Storing and updating the central repositories
- Managed by the administrator via *User Interface*

Copyright by FLUID-WIN Consortium 2008

Michele Zanet



IESA Conference
Berlin, 27-03-2008

The screenshot shows the FLUID-WIN web interface. At the top, there's a header with the FLUID-WIN logo and navigation links (LOGOUT, HELP, CONTACT US). Below that, a breadcrumb trail shows 'LOGISTIC PROFILE' and 'LOGISTIC SERVICES'. The main content area is titled 'RFQ's Issued to LSP and the Quotation LSP has given'. It includes search filters for LSP's Customer, RFQ status, and RFQ date. A table below lists RFQs with columns for Customer, RFQ No., RFQ date, Status, Quoted Price, and Quotation date. Two rows are visible: one for 'Manufacturer 1' (status: quoted) and one for 'Supplier 1' (status: Waiting for LSP's reaction). A detailed view of the 'Supplier 1' RFQ is shown below the table, including a 'Notes for the developers' section and a table of field descriptions.

Customer	RFQ No.	RFQ date	Status	Quoted Price	Quotation date
Manufacturer 1	XP000014/PM	02/06/2007	quoted	2300 EUR + 32000 HUF	03/06/2007
Supplier 1	XP000014/PM	02/06/2007	Waiting for LSP's reaction	N/A	N/A

Notes for the developers:
Here every RFQ has to be listed if the given LSP (i.e. the LSP that is logged in now) occurs in the ListOfLSPS data element of the RFQ
gaizer, 080114

Field Name	Description
Lookup of the name of LSP's Customer by RFQHeader.LSPCustomer_FLW_ID	Lookup of RFQHeader.ReferenceNo
Lookup of RFQHeader.RFQDate	Lookup of RFQHeader.RFQDate
RFQ details	RFQ details

This is a field computed by the combination of RFQ's workflow status and Quotation's workflow status as follows:

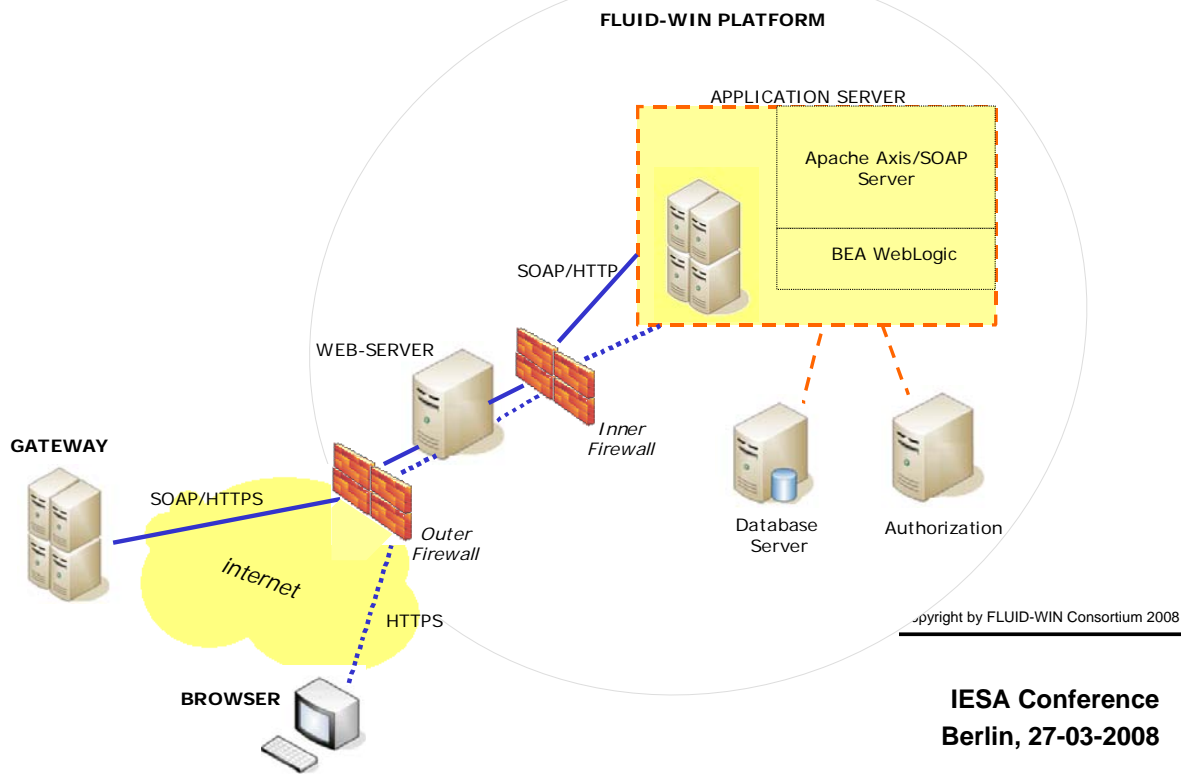
- "Expired" means that the referred RFQ has expired AND LSP had not react before expiry
- "Waiting for LSP's reaction" if RFQ hasn't expired and LSP hasn't reacted
- "Quoted" if LSP reacted (within expiry) by giving a quotation
- "LSP rejected RFQ" if LSP reacted by rejecting the RFQ
- "Quotation accepted" if LSP reacted by a quotation and Customer accepted this quotation
- "Quotation rejected" if LSP sent a quotation but Customer accepted another one.

Here comes a concatenation of prices from CostItems of quotation like this: 1200 EUR + 15000 HUF, if the LSP has given quotation, N/A otherwise

If LSP gave quotation, then QuotationHeader.QuotationDate. N/A if LSP hasn't reacted, or rejected the RFQ

Point of access for the users

2008
e
B



Standard Representation

Standard for data representation

- **Universal Business Language (UBL 2.0 http://www.oasis-open.org/committees/tc_home.php?wg_abbrev=ubl)**
- **Corporate Banking Interbancario (aCBI <http://www.acbi.it/default.asp>)**
- **Transportation XML (tXML <http://xml.coverpages.org/transportationXML.html>)**

- ***B2(B2B) Model*** allows to eliminate thousands of peer-to-peer interfaces
- **Seamless, flexible and secure interoperability** due to gateway concept
- **Easy management of users and services** by using **Network Modeler** and **Interdisciplinary Service Modeler**
- **Effortless User Interface** if no local legacy system is available

Copyright by FLUID-WIN Consortium 2008

Michele Zanet

Joinet*
Vertical e-business channel

IESA Conference
Berlin, 27-03-2008