

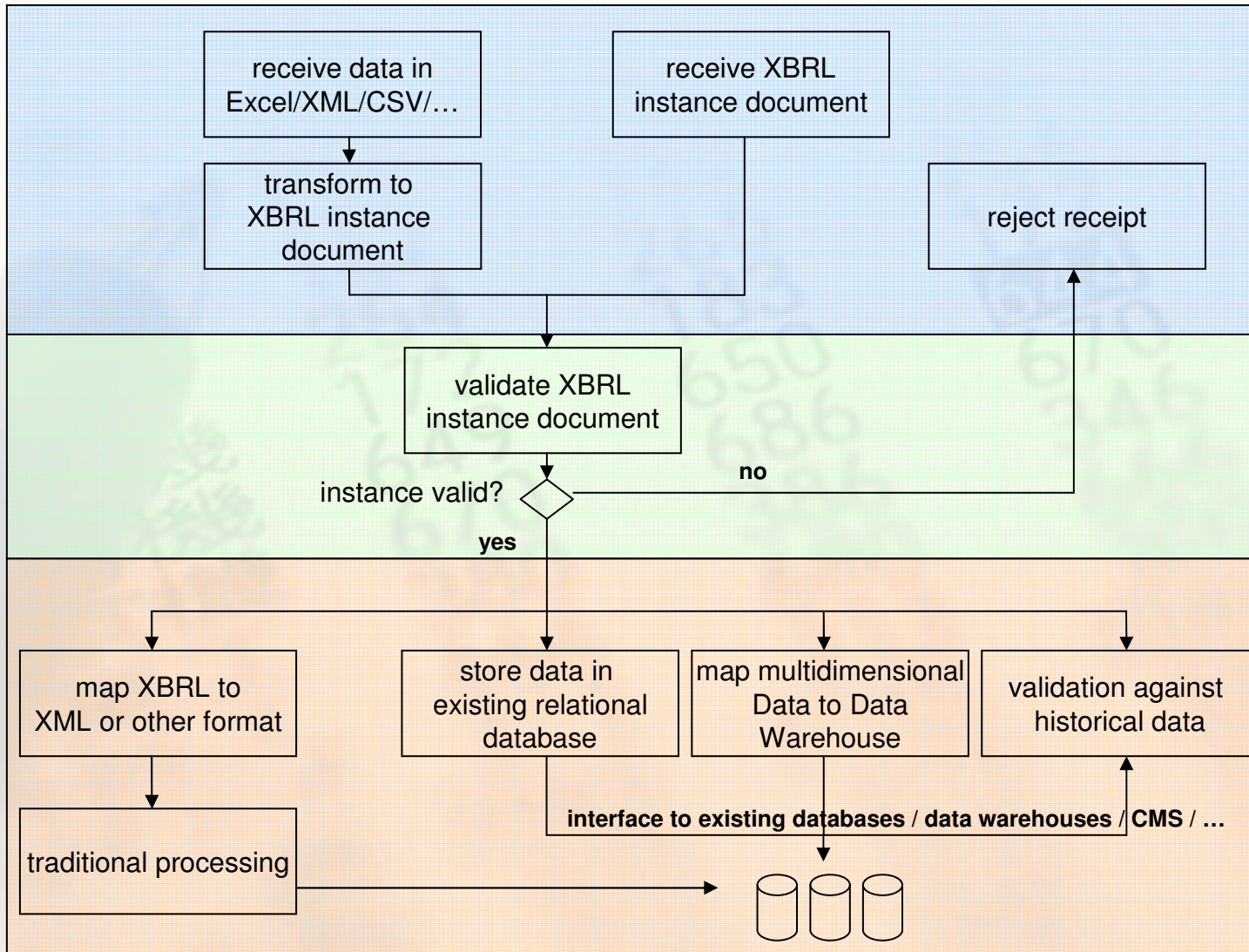
COREP Converters & Developments

XBRL Framework (XBRL Supervision)

COREP Project Team
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Madrid, 2006-02-02

Underlying Business Process



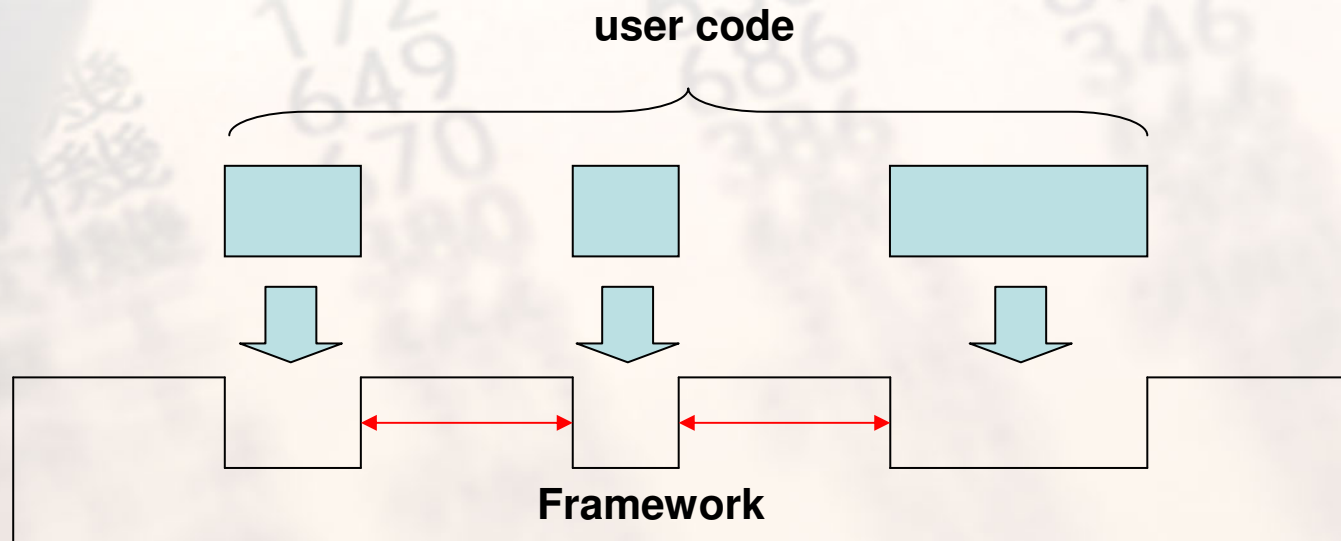
XBRL receiving
(= instance creation)

XBRL validation

XBRL processing

General Framework Structure

- **Define interfaces for user extensions**
- **Define process communication chains**



Used Technologies

- **J2EE-based Web Application**
- **Uses standardised J2EE technology**
 - **Java Servlets**
 - **Java Server Pages (JSPs)**
 - **Java Beans (reusable Java components)**
- **Uses standardised Web Technology**
 - **(X)HTML**
 - **Cascading Stylesheets (CSS)**
 - **JavaScript**
- **Uses Open Java Frameworks**
 - **Struts**
 - **Tiles**

The Web Application



XBRL Supervision
XBRL eXtensible Business Reporting Language

CEBS COREP Project

Welcome to XBRL Supervision.
This is an open framework providing XBRL functionality.

Home
Taxonomy
Instance
Database
Reports

XBRL is a registered trademark of XBRL International | www.xbrl.org | www.xbrl-supervision.org | www.corep.info |

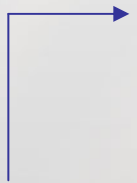
user input



result view



menu



Example: Visualise Taxonomy / Instance document

Visualise an instance

Choose the instance:

Choose the output format: PDF XML (original) XHTML (Daniel) XHTML (Magdalena)

Choose the output form: view file

Choose the filename:

```
<instance-mapping>
  <name>XHTML (Daniel)</name>
  <stylesheet>t_stylesheet.xsl</stylesheet>
  <filter>>false</filter>
  <directory>c:\temp\
```

- **No need to write own code**
- **Just provide a stylesheet and edit an XML file!**

Result of the Visualisation



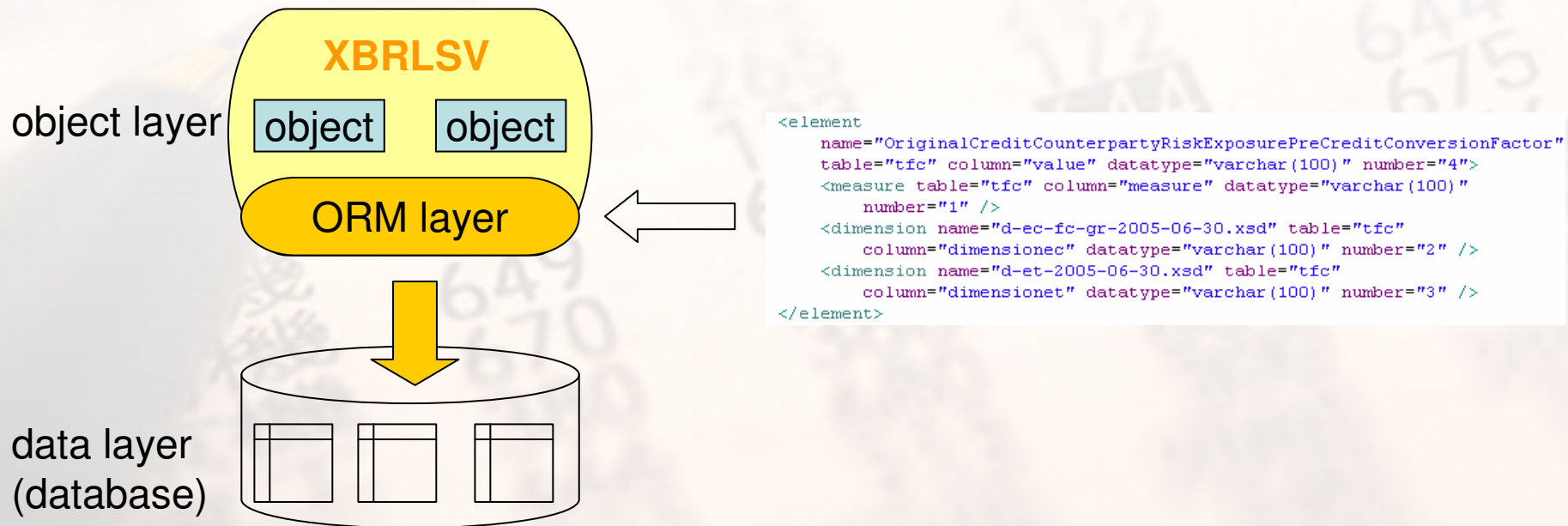
Taxonomy: Template taxonomy: instance_FIRB_german.xml
 Related measure taxonomy: m-fc-de-2005-06-30.xsd
 Related dimension taxonomy: d-ec-fc-de-2005-06-30.xsd
 Related dimension taxonomy: d-et-2005-06-30.xsd

	Original Credit & Counterparty Risk Exposure Pre Credit Conversion Factor	Exposure After Netting Agreements	Credit Risk Mitigation (CRM) Techniques with Redistribution Effects on the Exposure along the Exposure Classes and Sub-Portfolios (b)						Exposure After Netting and CRM Redistribution Effect	Exposure After Netting, CRM Redistribution Effect and Credit Conversion Factors	Exposure Value	Credit Risk Mitigants with Specific Risk Weightings	Credit Risk Mitigants Affecting LGD E			
			Unfunded Credit Protection: Adjusted Values (Ga)		Other Funded Credit Protection	Redistribution of the Exposure After Netting		Funded Credit Protection					Funded Credit Protection			
			Guarantees: Adjusted Value (Ga)	Credit Derivatives: Adjusted Value (Ga)		Total Outflows	Total Inflows						Eligible Financial Collateral	Other Eligible C		
					Volatility Adjustment to the Exposure (He)			Eligible Financial Collateral Adjusted Value (Cvam)						Total	Real Estate	Other Physi Collat
Total	10	12	3	4	5	-11	12	13	20	20	22	16	25	25		
Central Governments and Central Banks																
Institutions	1	2	3	4	5			2	6	6	7		8	8		
Corporate	9	10				-11	12	11	14	14	15	16	17	17		
Retail																
Equity																
Securitisation																

044
0675
346

Example: Process Instance Document

Load an instance document into a relational database



- Mapping to database can be configured
- Just adapt the mapping file to your database structure

The Framework is Extensible



Plugins can be developed for:

- **Instance creation**
- **Instance validation**
- **Report generation**

In general, an own class has to be provided and an XML configuration file has to be adapted.

Thank you!



Thank you for your attention!

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<http://www.xbrl-supervision.org>