

Improving business processes in financial services organizations using XBRL taxonomies



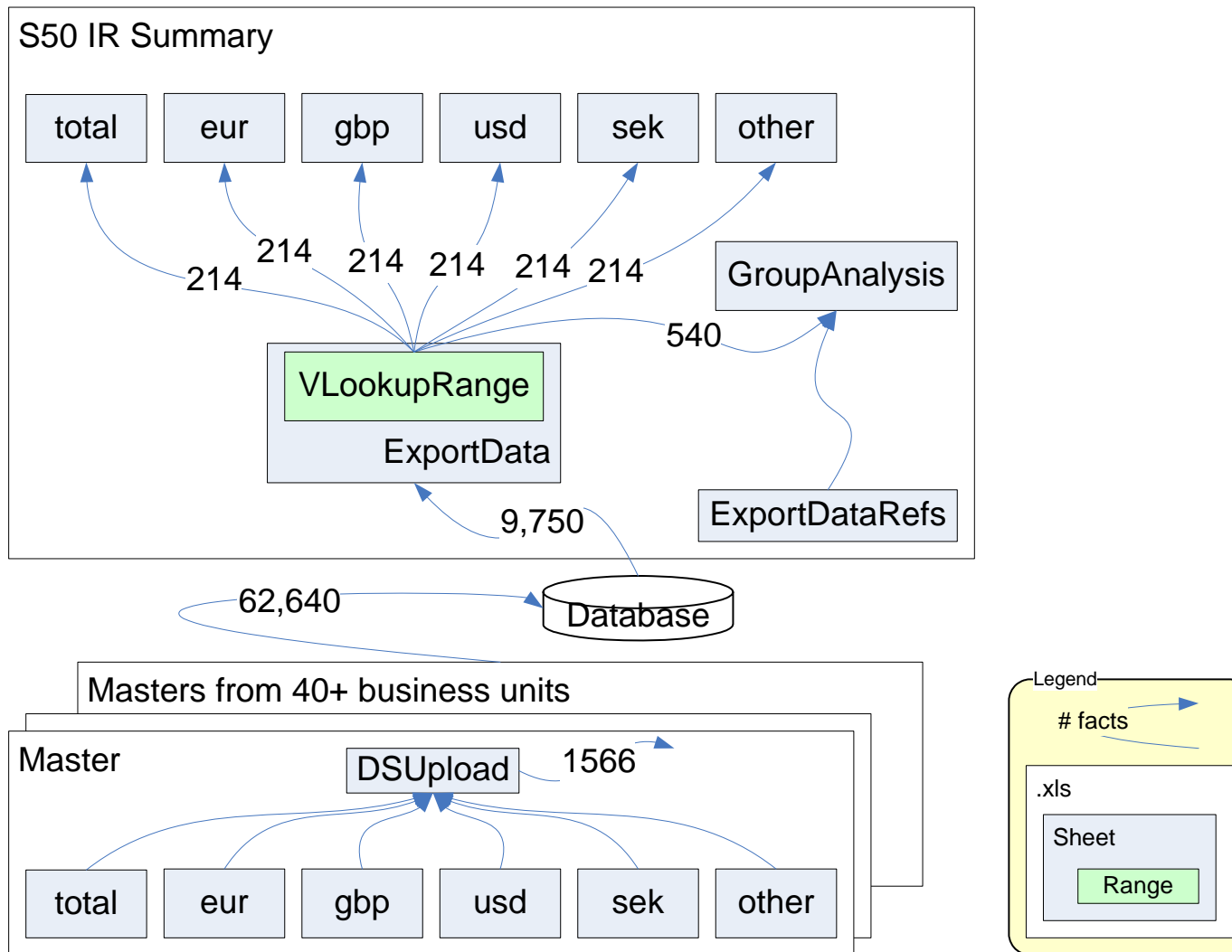
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Abstract

- Fundamental business processes in the financial services industry include risk assessment, internal management reporting, consolidation, and regulatory reporting including Tax, COREP solvency ratio, Basel II and FINREP financial statements. Automation of these processes depends on information standards developed through collaboration and managed centrally. The information standards are essential to ensure that source data gathered throughout the organization can use common terminology, categories, and formats. This talk will show applications currently in progress, deployed and live in international banks that illustrate how XBRL taxonomies can be employed to complement other software applications, and in so doing improve a variety of business processes.

Interest Rate Sensitivity Data Flows



Interest Rate Sensitivity Taxonomy Terms

Exposure
(8)

Balance Sheet
(35)

Detail of
"Other"
Assets and
Liabilities
(25)

$$8 \times 35 + 25 = 305$$

NON TRADING										Trading	Total
0-3 Months	3-6 Months	6-12 Months	1-5 Years	5 years +	Rate insensitive						
Assets											
Central govt. bills and other eligible bills	3	0	0	4	0	0		4		11	A 05
Loans and receivables to banks ⁽¹⁾	4	0	0	4	0	0		4		12	A 10
Trading portfolio assets	0	0	0	0	0	0		4		4	A 15
Assets designated as fair value through P&L	0	0	0	0	0	0		4		4	A 16
Loans and receivables to customers ⁽²⁾	4	0	0	4	0	0		4		12	A 25
Financial Investments (AFS)	4	0	0	4	0	0		0		8	A 35
Financial Investments (HTM)	5	0	0	4	0	0		0		8	A 36
Other assets	5	0	0	4	0	0		4		13	A 37
Intergroup assets - Entity	5	0	0	4	0	0		4		13	A 90
- Group	5	0	0	4	0	0		4		14	A 90.1 & A5
Total Assets	35	0	0	30	0	0		35		99	
Liabilities											
Amounts due to banks ⁽¹⁾	6	0	0	4	0	0		5		14	L 10
Trading portfolio liabilities	0	0	0	0	0	0		5		5	L 15
Liabilities carried at fair value	0	0	0	0	0	0		5		5	L 16
Amounts due to customers ⁽²⁾	3	0	0	4	0	0		5		12	L 25
Debt issued ⁽³⁾	3	0	0	4	0	0		5		13	L 35
Subordinated liabilities	3	0	0	4	0	0		5		12	L 40
Other liabilities	3	0	0	4	0	0		5		12	**
Shareholders' funds	3	0	0	4	0	0		5		12	L 82 - L 87
Intergroup liabilities - Entity	3	0	0	4	0	0		5		12	L 90.A
- Group	4	0	0	4	0	0		5		12	L 90.B & L 5
Internal funding of trading book	4	0	0	4	0	0		5		13	***
Total liabilities	33	0	0	36	0	0		52		121	
Derivative Financial Instruments ****											
Third party	4	0	0	4	0	0		5		13	
Intercompany	4	0	0	4	0	0		5		13	
Total Derivative Financial Instruments	8	0	0	8	0	0		10		25	
affecting interest rate sensitivity	7	0	0	8	0	0		10		25	
D (B+C)	40	0	0	48	0	0		61		146	
E (A-C)	(6)	0	0	(16)	0	0		(26)		(26)	
F (A-C-E)	(6)	(6)	(6)	(20)	(20)	(20)		(47)		(47)	

* This must equal the sum of:	
Cash and balances with central banks (A 00)	4
Cheques in course of collection (A 02)	5
Positive replacement value of derivatives (A20)	6
Fair value adjustments hedged asset positions (A30)	7
Interest in joint ventures (A 38)	9
Interests in Associated undertakings (A 40)	10
Shares in AIB p.l.c., held by Group Companies (A 43)	11
Shares in Group Undertakings (A 45)	12
Goodwill and other intangible assets (A 50)	13
Property and equipment (A 55)	14
Insurance business (A 58)	15
Other Assets (A 60)	16
Current Taxation (A 60.A)	17
Assets held for sale (A 61)	18
Assets held as part of disposal group (A 62)	19
Accrued income and prepaid expenses (A 65)	20
Pension schemes in surplus (A 75)	21
Deferred tax asset (A 80)	22
Total other assets	236

** This must equal the sum of:	
Negative replacement values of derivatives (L20)	5
Insurance business (L 27)	6
Liabilities held for sale (L 50)	7
Fair value adjustments hedged liability positions (L30)	8
Other Liabilities (L 60)	9
Current tax (L 60.2)	10
Accrued expenses and deferred income (L 65)	11
Provisions for contingent liabilities and charges (L 74)	48
Pension Schemes in deficit and unfunded schemes (L 75)	13
Deferred tax liabilities (L 80)	12
Minority interests (L 81)	13
Total other liabilities	142

*** All trading items should be matched with internal funding.

**** This must in total equal zero over the live time bands and excludes caps, collars and floors. Pay leg should be listed as positive receive leg listed as negative

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