



# Collecting micro data from MFIs for frequent user demands

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# Main conclusions

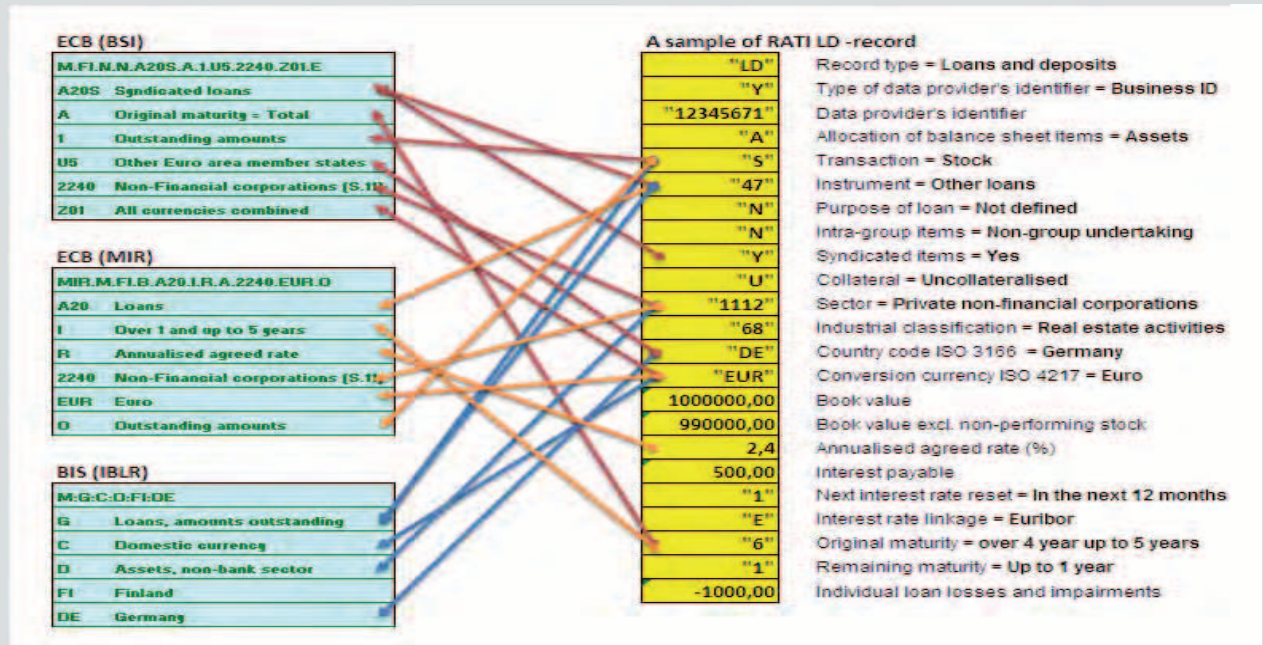
- ◆ Dimensional micro data can be easily mapped for several user requirements.
- ◆ Micro data and a single compilation system creates synergies and reduces reporting burden.
- ◆ Granular micro data enables structural analyses.

The screenshot shows a Notepad window with a CSV file named 'RAT1\_2009M12\_1680235R1.csv'. The data is structured as follows:

Account Type	Institution	Value 1	Value 2	Value 3	Value 4	Value 5	Value 6	Value 7	Value 8	Value 9	Value 10	Value 11	Value 12
000	N	12345678	RAT1	T	2009M12	200912071100	115						
BS		12345678		N	A	Bank	Finland	Aug		11813490			
LD		12345678		A	S				1111	15	FI	EUR	50000
LD		12345678		A	S			44	1112	27	SE	EUR	50000
LD		12345678		A	S			44	1111	28	DC	EUR	50000
LD		12345678		A	S			44	12231		FI	EUR	50000
LD		12345678		A	S			44	1311		FI	EUR	50000
LD		12345678		A	S			44	1321		FI	GBP	50000
LD		12345678		A	S			44	12231		DK	USD	50000
LD		12345678		A	S			45	143		FI	EUR	50000
LD		12345678		A	S			45	143		FI	EUR	50000
LD		12345678		A	S			45	1411	05	FI	EUR	50000
LD		12345678		A	S			45	1419	08	FI	EUR	50000
LD		12345678		A	S			45	143		FI	EUR	50000
LD		12345678		A	S			45	1111	08	FI	EUR	50000
LD		12345678		A	S			45	1111	12	FI	EUR	50000
LD		12345678		A	S			45	1111	17	FI	EUR	50000
LD		12345678		A	S			45	1112	32	SE	EUR	50000
LD		12345678		A	S			45	1111	32	GB	EUR	50000
LD		12345678		A	S			45	1313		FI	EUR	50000
LD		12345678		A	S			45	1311		FI	EUR	50000
LD		12345678		A	S			45	1321		FI	EUR	50000
LD		12345678		A	S			45	1321		FI	EUR	50000
LD		12345678		A	S			44	143		FI	EUR	70193

# Dimensional data

- The BOF collects non-consolidated data from Finnish MFIs in a single data collection survey (RATI).
- Dimensional micro data can be easily mapped for several user requirements (external and internal).
- RATI data are also used by Statistics Finland and Financial Supervisory Authority (FSA). Common dimensions.



## Synergies and reporting burden

- Dimensional micro data should lower reporting burden, because data can be collected with a single survey and all aggregations/ calculations are done by the BOF in a single compilation system.
- In addition, extra data can be enriched from different sources, which also lowers reporting burden. Furthermore additional ad hoc data enrichment can be done from commercial or public sources (e.g. with ISIN-code).
- Common enrichment and calculation procedures for sec-by-sec data in the BOF => The same ISIN-code and reporter should have same information in all data collections (MFIs, IFs, BOP and SEC).
- A common system enables also cross-checking of data between different statistics.

Theoretical maximum of dimensions and measures for a single sec-by-sec row					
Section of process	Source of data / type of data	Data provider	Use of Data	ISIN-code	No ISIN-code
1. Reported data	Report	Reporter	Reported data	24	30
2. Enriched Data	ECB	CSDB	Classification, extra dimensions, some price data	40	0
	Statistics Finland	Business register	Classification, extra dimensions	3	3
	The BOF	TSDB	Exchange rates	3	3
3. Supplementary calculations	PREV'	Reporter or system	Data needed in main calculation formula	9	9
	SEL'	System	Selected classifying attributes	13	13
	MBS'	System	Classification	7	7
	CALC'	System	Data needed in main calculation formula	19	19
4. Main calculations	RESULT'	System	Main measures	9	9
			TOTAL dimensions and measures	127	93

# Structural analyses

- Flows, exchange rate changes, revaluation changes and other adjustments can be calculated for a every single row.
- Granular micro data enables different aggregations and disaggregations for various needs.
- Granular data enables linkages between stock data, interest rates, new business and new drawdowns
- Financial and sovereign crisis have increased the need of granular data (e.g. sector, country, currency)

