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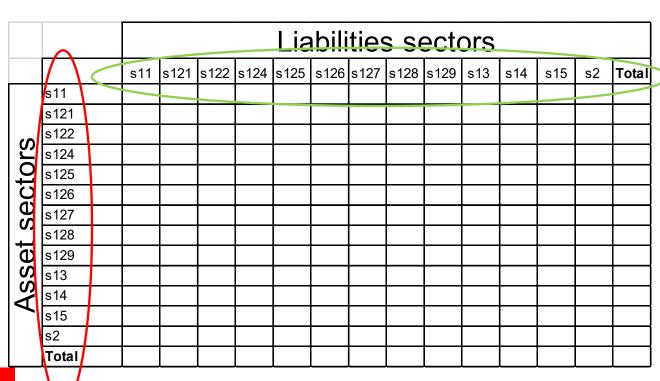
Financial accounts

- Overview of the financial investment and financing activities of the major economic sectors
 - Non financial coorporations (NFC)
 - Financial institutions (9 subsectors)
 - Government sector
 - Household sector
 - Rest of the World (ROW)
- Full who-to-whom matrix
- A cross table of asset sector and liabilities sector

for each instrument/ time period/ type

Broken down by financial instruments, with a matrix for each instrument





Financial accounts

secondary statistic using other primary sources

		Liabilities sectors														
		s11	s121	s122	s124	s125	s126	s127	s128	s129	s13	s14	s15	s2	Total	
	s11															
	s121															
۲۵	s122															
sectors	s124															
to	s125															
S	s126															
36	s127															
	s128															
Ð.	s129															
	s13															
100	s14															
1	s15															
	s2							·								
	Total															

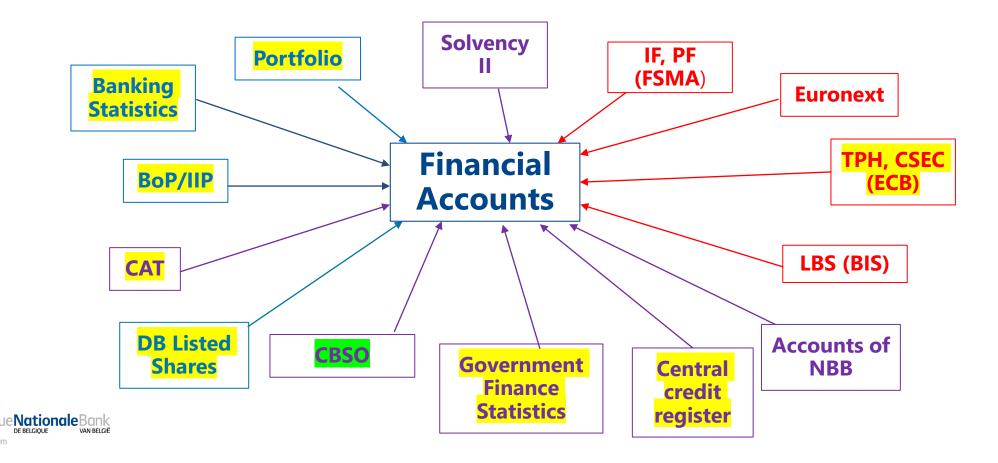
- Based on different sources, ideally already structured in a whom-to-whom manner
- Key trick: primary sources containing as much counterpart data as possible
- Estimations for missing data needed
- Reconciliation of different sources needed
- Important advantage of such a matrix is "horizontal balancing"



Sources

Financial Accounts = secondary statistic using other primary sources

Mix of sources from inside NBB and from other institutions



Compilation process

- Collecting data from different primary sources, convert data to ESA 2010 requirements
- Input depends on the sources
- Hierarchy of sources (not absolute)
- Processing & integrating into a specifically designed DB (FASTRA)
- Analysis, validation & quality control
- Revision policy
- Quarterly time series from 1998Q4 / Annual from 1995
- Number of series: +- 16000 (and growing)
- More detailed information available in FASTRA than needed for dissemination (for internal use)



Compilation rules: hierarchy of sources

Hierarchy of sources (not absolute):

- Sometimes more sources are available for certain fields in the matrix
- Tentative hierarchy:

Source	Sector/instrument	Counterpart information?			
Government Finance Statistics	S.13	Yes - micro			
Accounts from the central bank	S.121	Yes - macro			
Banking Statistics (BSI)	S.122	Yes - macro			
FVC-statistics	S.125-1	Partly			
Solvency II	S.128	Partly			
FSMA	S.124 - S.129	Partly			
Euronext	F.511	No			
Portfolio statistics	F.31 - F.32 - F.511 - F.52	Yes - macro			
DB on shareholdership	F.511	Yes - micro			
Shares issues statistics	F.512 - F.519	Yes - micro			
BoP and IIP	S.2	Partly			
Annual accounts data from CBSO	S.11	No			



- Most reliable (almost full microdata) = government statistics QFAGG
- Direct reporting of almost all governement entities on their assets and liabilities, with counterpart info (if known)
- Full who-to-whom available
- ⇒ All liabilities of NCF from government
- ⇒ All assets of NFC held by government
- From viewpoint of government entities

	s11 Non-	s122 Deposit-	s12 Other			
Assets Liabilities	financial	taking	financial	s13 General	s2 Rest of	
	corporations	corporations	sectors	government	the world	Total
s11 Non-financial corporations				QFAGG		
s121 The central bank				QFAGG		
s122 Deposit-taking corporations				QFAGG		
s124 Non-MMF investment funds				QFAGG		
s 125 Other financial intermediarie	S			QFAGG		
s127 Captive financial institutions				QFAGG		
s128 Insurance corporations				QFAGG		
s129 Pension funds				QFAGG		
s13 General government	QFAGG)	QFAGG	QFAGG	QFAGG	QFAGG	QFAGG
s14+s15 Households& NPISH				QFAGG		
s2 Rest of the world				QFAGG		
Total				QFAGG		



- Add data on monetary Financial Institutions (MFI)
 - > Banking statistics: bank assets per aggregated counterpart
 - > FVC statistics
 - > Third party holding from BIS on foreign deposits & loans
- Add NCB data
 - > very limited for NFC

	s11 Non-	s122 Deposit-	s12 Other			
Assets Liabilities	financial	taking	financial	s13 General	s2 Rest of	
	corporations	corporations	sectors	government	the world	Total
s11 Non-financial corporations		MFI	MFI	QFAGG		
s121 The central bank	NCB	NCB	NCB	QFAGG	NCB	NCB
s122 Deposit-taking corporations	MFI	MFI	MFI	QFAGG		
s124 Non-MMF investment funds		MFI	MFI	QFAGG		
s125 Other financial intermediaries	MFI	MFI	MFI	QFAGG		
s127 Captive financial institutions		MFI	MFI	QFAGG		
s128 Insurance corporations		MFI	MFI	QFAGG		
s129 Pension funds		MFI	MFI	QFAGG		
s13 General government	QFAGG	QFAGG	QFAGG	QFAGG	QFAGG	QFAGG
s14+s15 Households& NPISH		MFI	MFI	QFAGG		
s2 Rest of the world		MFI	MFI	QFAGG		
Total		MFI	MFI	QFAGG		



- Add instrument specific data
 - Portfolio data
 - > Domestic holders and issuers of debt securities and (listed) shares
 - Third part holdings via ECB databases CSEC
 - Information for all sectors

Euronext & DB on listed shares

data on listed shares, issuers, transactions, stocks

> CAT

- > Data on capital transactions of domestic firms (+ data on newly created entyerprises)
- => Partial balancing on instruments debt securities, listed shares and investment fund shares



Add data

- from statistics on insurance companies (IC, Solvency II), Investment funds (IF), Pension funds (PF)
 - Mainly asset info
 - > NFC available as counterpart
- on ROW Rest of the world

From CBSO on annual accounts:

balance sheets (BS)

- > Totals on NFC assets & liabilities
- Balancing with all other data
- NFC = residual sector

	s11 Non-	s122 Deposit-				
Assets Liabilities	financial	taking	s12 Other financial	s13 General	s2 Rest of	
	corporations	corporations	sectors	government	the world	Total
s11 Non-financial corporations	residual	MFI	MFI/FVC/IF/IC/PF	QFAGG	BoP/IIP	BS
s121 The central bank	NCB	NCB	NCB	QFAGG	NCB	NCB
s122 Deposit-taking corporations	MFI	MFI	MFI/FVC/IF/IC/PF	QFAGG	MFI	MFI
s124 Non-MMF investment funds	(F)	MFI/IF	MFI/FVC/IF/IC/PF	QFAGG	BoP/IIP	IF
s125 Other financial intermediaries	MFI	MFI/FVC	MFI/FVC/IF/IC/PF	QFAGG	MFI/FVC	MFI
s127 Captive financial institutions	BS	MFI/BS	MFI/FVC/IF/IC/PF	QFAGG	BoP/IIP	BS
s128 Insurance corporations	IC	MFI/IC	MFI/FVC/IF/IC/PF	QFAGG	BoP/IIP	IC
s129 Pension funds	PF	MFI/PF	MFI/FVC/IF/IC/PF	QFAGG	BoP/IIP	PF
s13 General government	QFAGG	QFAGG	QFAGG	QFAGG	QFAGG	QFAGG
s14+s15 Households& NPISH	BS	MFI	MFI/FVC/IF/IC/PF	QFAGG	BoP/IIP	
s2 Rest of the world	BoP/IIP	MFI	MFI/FVC/IF/IC/PF	QFAGG		residual
Total	BS	MFI	MFI/FVC/IF/IC/PF	QFAGG	BoP/IIP	



Important source for NFC is CBSO = Central Balance Sheet Office

- Collects statutory accounts (per legal entity) transposition directive 2013/34/EU (legal obligation except for specific legal form)
- Standardized schemes with balance sheet, P&L, annex tables, 'social' balance sheet, annual report, audit report
- According to Belgian GAAP > < IFRS
- Extensive data of good quality: audited (for large companies) + validation checks by CBSO
- Full coverage of NFC-sector and Captive financial institutions and some other financial institution sectors
- Annual frequency, time lag: Y+14m
 - => not designed for statistical needs



CBSO

- Not designed to have counterpart info
- Granularity analysis
 - By items
 - By entity
 - > Other sources consistency
 - > Separate accruals analysis
- Different types of adjustments
 - > Add missing balance sheets
 - Translation to ESA instruments
 - Valorisation effects
 - OCV (sectorisation instruments)
- Goal is to get final results as conform as possible with ESA & SNA definitions





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Annex: Map of main datasources

		Assets									Liabilities							
	S11	S12K	S124	S12O	S128	S129	S13	S14+S15	S2	S11	S12K	S124	S12O	S128	S129	S13	S14+S15	S2
	NFCs	MFIs	lFs	OFIs	IC	PF	Gov	HH+NPISH	RoW	NFCs	MFIs	IFs	OFIs	IC	PF	Gov	HH+NPISHs	RoW
F11 Monetary gold		MFI																
F12 SDRs		MFI																MFI
F21 Currency	NFC	MFI						*	BoP		MFI							MFI
F22 Deposits, transferable	MFI	MFI	IF	MFI/OFI/OFC	IC	PF	QFAGG	MFI	MFI		MFI							MFI/BoP
F29 Deposits, other	MFI/BoP	MFI	IF	MFI/OFI/OFC	IC	PF	QFAGG	MFI/BoP	MFI		MFI					QFAGG		MFI/BoP
F3 Debt securities	SHS	MFI	IF	SHS	IC	PF	QFAGG	SHS	SHS*	SEC	MFI/SEC		FVC/CSEC	IC		QFAGG		SHS
F4 Loans	NFC*	MFI		FVC/OFI/OFC	IC	PF	QFAGG	NPISH	BoP	MFI/BoP/NFC	* MFI	IF	MFI/OFI/OFC	IC		QFAGG	MFI/FVC/OF /BoP/QFAG	BOP I
F511 Listed shares	SHS/LDB	MFI	IF	SHS/LDB	IC	PF	QFAGG	SHS	SHS/LDB*	LDB	LDB		LDB			QFAGG		SHS
F512 Unlisted shares	NFC/SIS/*	MFI	IF	OFI/OFC/SIS	IC	PF	QFAGG	SIS/*	BoP	NFC/SIS	MFI		OFI/OFC/SIS	IC				BoP
F519 Other equity	NFC/SIS/*	MFI		OFI/OFC/SIS		PF	QFAGG	SIS/BoP/	* BoP	NFC/SIS	MFI		OFI/OFC/SIS	IC		QFAGG		BoP
F52 Investment fund shares/un	ts IF	MFI	IF	IF	IC	PF	QFAGG	IF*	IF		MFI	IF						SHS
F61 Non-life insurance techn. ı	es. IC			IC	IC			IC	IC					IC				IC
F62 Life insurance and annuitie	es .							IC	IC					IC				IC
F63-F65 Pension entitlements								IC/PF						IC	PF	QFAGG		
F66 Standardised guarantees								QFAGG								QFAGG		
F7 Financial derivatives	SHS	MFI	IF	FVC	IC			SHS	BoP	BoP	MFI	IF	FVC	IC		QFAGG		BoP
F81 Trade credits and advance	s NFC*	MFI		OFI/OFC			QFAGG	ENA	BoP	NFC*	MFI		OFI/OFC	IC		QFAGG	ENA	BoP
F89 Other accounts excl. F81	NFC*	MFI	IF	FVC/OFI/OFC	IC	PF	QFAGG	QFAGG	BoP	NFC*	MFI	IF	FVC/OFI/OFC	IC		QFAGG	QFAGG	BoP

Key for data sources and calculation/estimations:

QFAGG Quarterly financial accounts for general government

MFI MFI balance sheet statistics (including NBB balance sheet data)

IC Insurance corporations statistics

PF Pension fund statistics

IF Investment fund statistics

FVC Financial vehicle corporations statistics

SHS Securities holdings statistics (including TPH)

LDB Listed shares database

BoP Balance of payments and international investment position.

OFI other financial institution statistics

CSEC Centralized securities issues statistics

NFC Non-financial corporation balance sheets (CBSO, coverage 100%, estimations until final data is integrated at t+7 quarters)

OFC Other financial corporation balance sheets (CBSO, coverage 100%, estimations until final data is integrated at t+7 quarters)

NPISH NPISH balance sheets (CBSO, coverage 93%, grossing up model, estimations until final data is integrated at t+7 quarters)

SIS Share issues statistics

ENA Estimation based on national accounts data

- * Residual sector for respective instrument i.e. the sector (assets or liabilities) where source is available, but most likely adapted to achieve horizontal consistency.
- ** Pure residual calculation as no source data for a meaningful plausibility check is available.