



Consistency and Balancing

Workshop on Financial Accounts October 9 - 11, 2023

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Constraints and identities

Balancing the financial account: main identity, at category level

Changes in financial assets = Changes in liabilities

for **each** category

Category	Sectors	
	Households	137
	Non-financial corporations	231
Mortgage Assets	Financial corporations	19,156
	General governments	190
	Total all sectors	19,714
	Households	13,867
	Non-profit institutions serving households	64
Mortgage Liabilities	Non-financial corporations	5,610
	Financial corporations	158
	General governments	15
	Total all sectors	19,714

Balancing the financial account: financial assets and liabilities transactions by sector

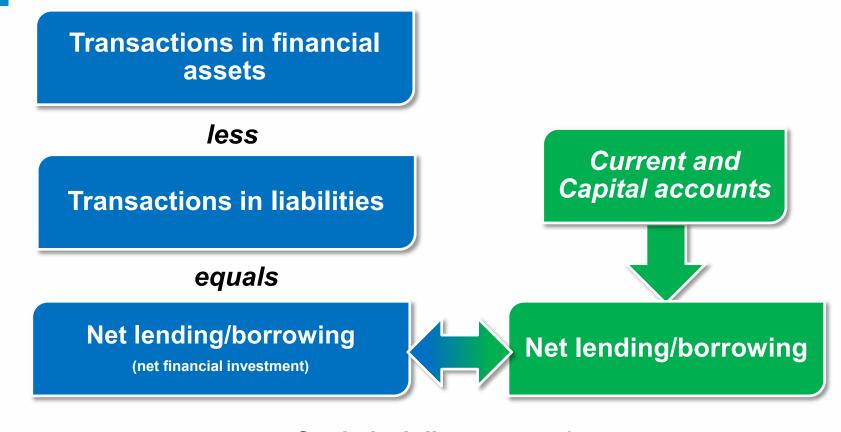
Transactions in financial assets		=	Transactions in	n liabilities
across all sectors	Net financial investment = 0			
Category	Sectors			
	Households			8,731
	Non-profit inst	1,689		
Transactions in financial assets	Non-financial corporations			30,952
	Financial corp	117,109		
	General gover	15,628		
	Non residents	110,327		
	Total all sect	284,436		

	Households	23,463
	Non-profit institutions serving households	642
Transactions in financial liabilities	Non-financial corporations	39,334
	Financial corporations	98,896
	General governments	26,369
	Non residents	95,732
	Total all sectors	284,436

The main identity connecting the National Accounts and the Financial Accounts

Categories	\$ 000
Net Lending	-15,417
Net financial investment	-14,732
Discrepancy	-685
Net transactions in financial assets	8,731
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Deposits	14,915
Debt securities	1,417
Mortgages	137
Total Shares	-4,735
Foreign Equity	-2,108
Life Insurance and Pensions	7,004
Other Assets	-7,899
Net transactions in financial	
liabilities	23,463

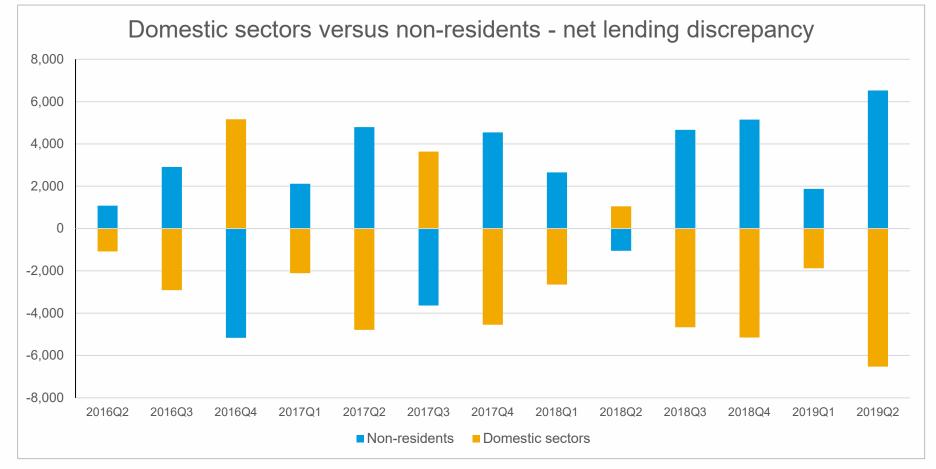
nabinaco	20,400
Consumer Credit	8,719
Non-mortgage loans	634
Mortgages	13,867
Trade Accounts Payables	243



Statistical discrepancy (net *lending/borrowing)*

The main identity connecting the National Accounts and the Financial Account

The sum of net lending/net borrowing across the domestic sectors (households, NPISH, corporations, governments) represents the amount of funds the domestic economy needs to borrow from nonresidents or the amount of funds they can lend to non-residents.



Balancing between Current/Capital and Financial Accounts in matrix format

Sectors/ categories	Sector 1	Sector 2	Sector 2	Sector 4	Economy	NRES	Error	Matrix total
SAVING	14	13	13	-3	37	5	0	42
NFCA	12	15	8	7	42	0	0	42
NLB_1	2	-2	5	-10	-5	5	0	0
NLB_2	3	-3	5	-11	-6	6		0
NAFA	17	10	15	2	44	8		52
NIL	14	13	10	13	50	2		52
DISCR	-1	1	0	1	1	-1	0	0

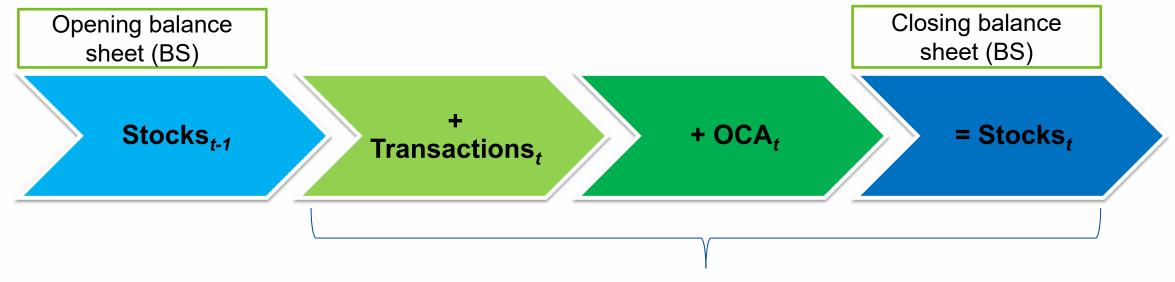
- NFA/NFCA Non-financial assets / Non-financial capital acquisition
- FA/NAFA Financial assets / Net acquisition of financial assets
- L/NIL Liabilities / Net incurrence of liabilities

Data challenges

- Timing (both sides of a transaction)
- Coverage (response in the current period)
- Sector detail (+/-)
- Different sources of data (direct versus indirect)
- Conceptual differences between source data and needs
- Lack of survey (lags)
- Calculation of flows (errors)
- Classification issues
- Statistical discrepancies in national accounts and balance of payments
- Assumptions

Balance Sheet

Relationship between accounts



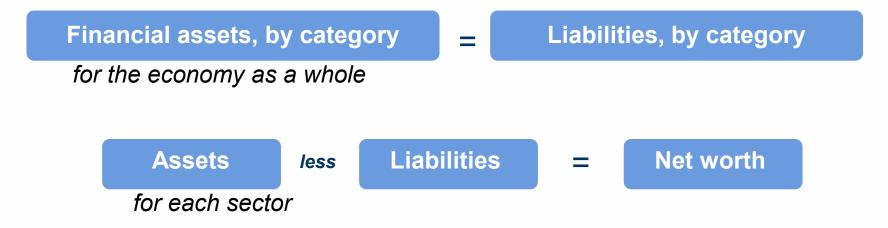
Transactions + OCAA occurring in time **t** (reference quarter/year) to build new stock position

Stocks = Balance Sheet (BS) Transactions = Financial Account (FA) OCA A = Other Change in Assets Accounts (OCAA)

Compiling the balance sheet

The national balance sheet accounts share the category and sector profile of all the financial and wealth accounts

- The balancing item of a balance sheet is called net worth
- The main identities for the national balance sheet accounts:



Balancing in the Balance Sheet Account

- Balance sheet balancing
 - Same basic principles: total financial assets for economy (including ROW) must equal total liabilities for the economy (including ROW)
 - Within sectors, if no nonfinancial assets, not possible to have a complete balance of assets and liabilities and therefore no sector net worth. In this case, the difference between financial assets and liabilities is generally referred to as net financial worth, and alternatively as net financial assets or net debt. It is the stock equivalent (including other changes in assets) to net lending or net borrowing.

Reconciling opening and closing balance sheets for any given sector

Accounts/categories	Closing Balance Sheet	Opening Balance Sheet	Change in Balance	Capital and Financial Account	Revaluation Account	OCVA	Residual
	Sheet	Sheet	Sheet	Transactions			
NFA/NFCA	100	80	20	10	10	0	0
FA/NAFA	100	70	30	15	15	0	0
L/NIL	100	80	20	10	10	0	0
Discrepancy				-2			-2
Net Worth	100	70	30	13	15	0	2

- NFA/NFCA Non-financial assets / Non-financial capital acquisition
- FA/NAFA Financial assets / Net acquisition of financial assets
- L/NIL Liabilities / Net incurrence of liabilities



Thank you for your participation!