

THE CURRENT ACCOUNT OF THE BALANCE OF PAYMENTS

- + Export of goods f.o.b.
- Imports of goods f.o.b.
- Trade balance
- + Exports of non-financial services
- Imports of non-financial services
- + Investment income (credit)
- Interest payments
- + Private unrequited transfers
- + Official unrequited transfers
- Current account balance

From less liquid items toward more liquid items!



From less liquid items to more liquid items!

The capital account of the balance of payments

Capital account

- + (-) Direct investment (non debt creating flows)
- + (-) Portfolio investment (NDCF)
- + LT capital inflows (private + official)
- LT debt repayments (bonds/loans)
- + ST capital inflows (private + official)
- ST debt repayments
- + (-) Net errors and omissions
- + (-) Counterpart items
- + (-) Change in reserves
- = Capital account balance
 - + Exceptional Financing (or arrears)

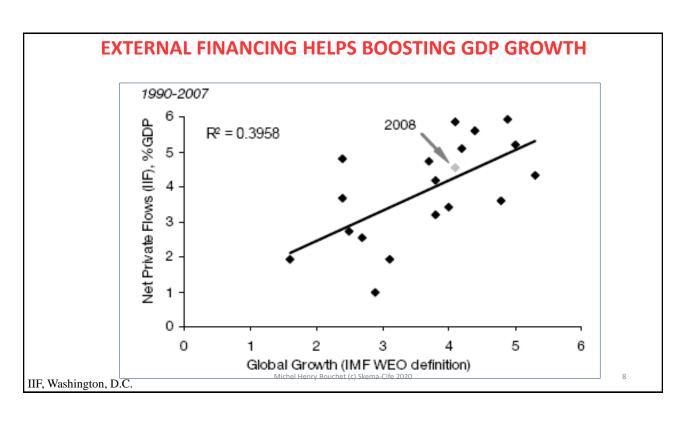


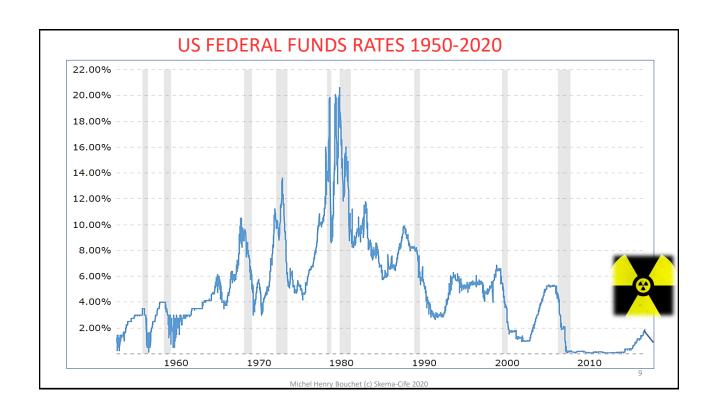
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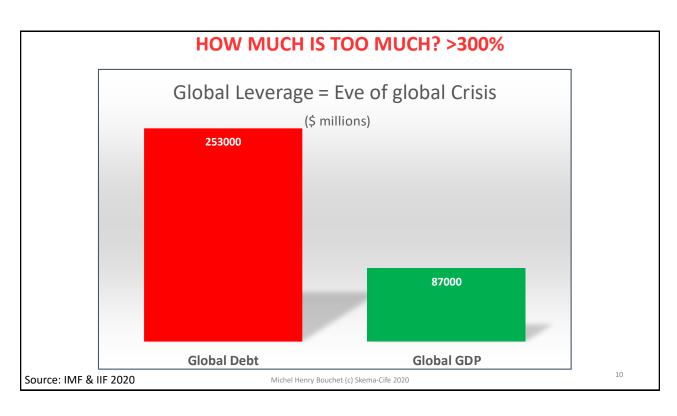


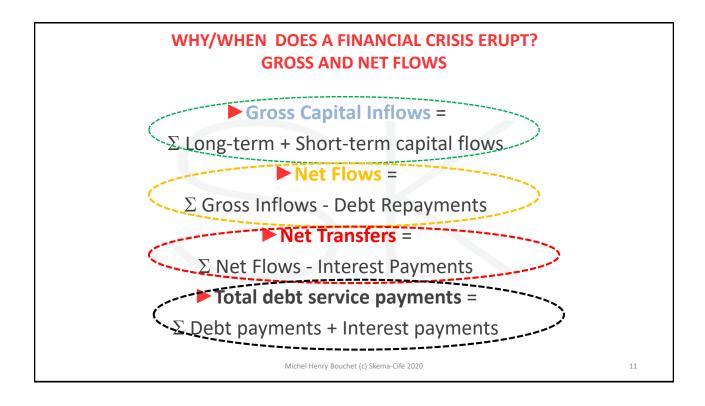
Exports	5000	
Portfolio	150	
LT K	1200	
Transfers	285	Let's go
Debt repayments	-1650	CIFE!
ST K	350	CIFE:
Current account		
FDI	325	
Imports	-6500	
Trade		
Services revenues	1200	
Interest payments	-750	
E&Os	-455	
Counterpart items	100	
Change in reserves		(5)
CA/GDP%		
GDP	12500	A SECOND
R/M ratio (months)		
Reserve level 12/2017	4500	el Henry Bouchet (c) Skema-Cife

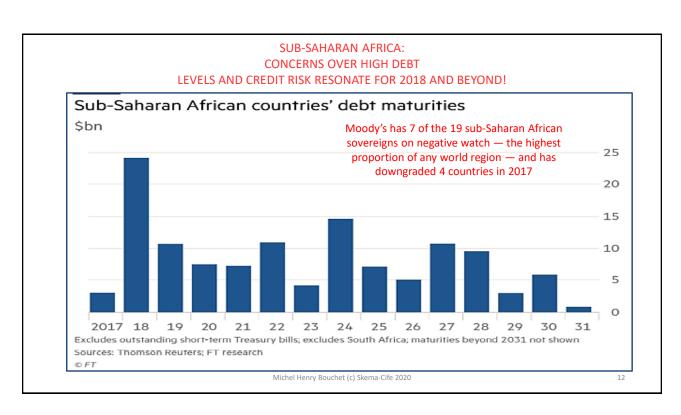












EXTERNAL DEBT ANALYSIS

FLOWS

Balance of payments analysis and capital flight

- ► Liquidity (net flows)
- Sustainability of debt strategy (refinancing, market access, rescheduling, restructuring)

STOCKS

Structure of debt by creditors, maturity (ST/LT), currency and interest rates (fixed/floating)

- ► Mismatch (interest rate, currency, maturity)
- ► Solvency ratios
- ► London Club debt : secondary market discounts
- ► Spread/margin over US T Bills
- **CDS**

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\$ billion	0040	0040		
	2012	2013	2014	2015
Capital Inflows				
Total Inflows, Net:	1269	1188	1079	1164
Private Inflows, Net	1232	1156	1032	1112
Equity Investment, Net	668	626	657	675
Direct Investment, Net	545	548	540	560
Portfolio Investment, Net	124	78	117	114
Private Creditors, Net	564	530	375	437
Commercial Banks, Net	118	193	124	151
Nonbanks, Net	446	338	251	287
Official Inflows, Net	37	32	47	-53
International Financial Institutions	5	-3	19	27
Bilateral Creditors	31	35	28	25
Capital Outflows				
Total Outflows, Net	-1299	-1360	-1348	-1339
Private Outflows, Net	-946	-825	-981	-950
Equity Investment Abroad, Net	-332	-403	-368	-381
Resident Lending/Other, Net	-614	-422	-613	-570
Reserves (- = Increase)	-352	-534	-367	-388
Memo:				
Net Errors and Omissions	-246	<u>-65</u>	<u>o</u>	<u>0</u>
Current Account Balance	<u>276</u>	236	269	174
Source: IIF Michel Henry Bo	nuchet (c) Sker	na_Cife		

RISK MANAGEMENT AND BOP ANALYSIS

- + Export of goods f.o.b.
- Imports of goods f.o.b.
- Trade balance
 - +/- Exports/Imports of non-financial services
 - Interest payments
 - + Investment income (dividends) credit/debit)
 - + (-) Private/Official unrequited transfers
 - **Current account balance**
 - +/- FDI
 - +/- Portfolio capital Flows
 - + LT Capital Inflows
 - Debt Servicing Payments
 - +/- ST Capital Flows
 - +/- Reserve Variation

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EXTERNAL DEBT ANALYSIS:

THE DUAL FACE OF COUNTRY RISK

Liquidity Risk

- ► Debt Service Ratio:
 - (P+I/X)
- ► Interest Ratio (I/X)
- ► Current account/GDP
- ► Growth rate of exports/ Average external interest rate

Solvency Risk

- ► Debt/Export ratio
- ▶ Debt/GDP ratio
- ► Debt/Reserves
- ► ST Debt/Total Debt
- ▶ST Debt/Reserves
- ► Reserve/Import ratio

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LIQUIDITY AND SOLVENCY THRESHOLDS

Stock variables

► Solvency = Debt/GDP < 100% (66% = EMCs)

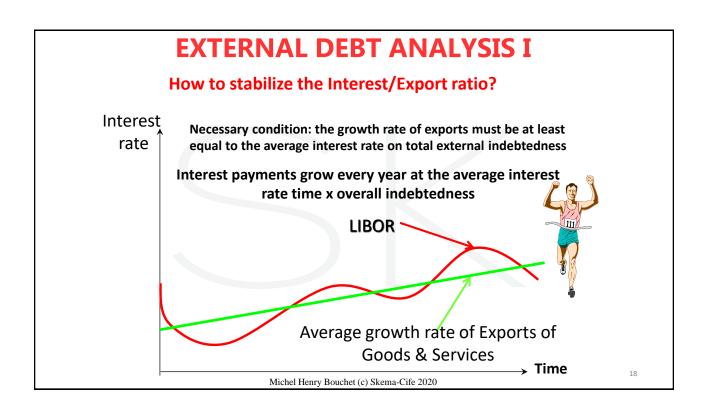
Debt/Exports < 150%

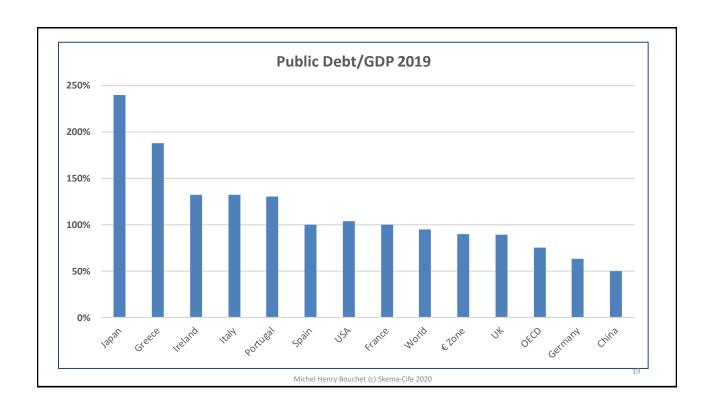
Reserves/months of Imports > 6 months

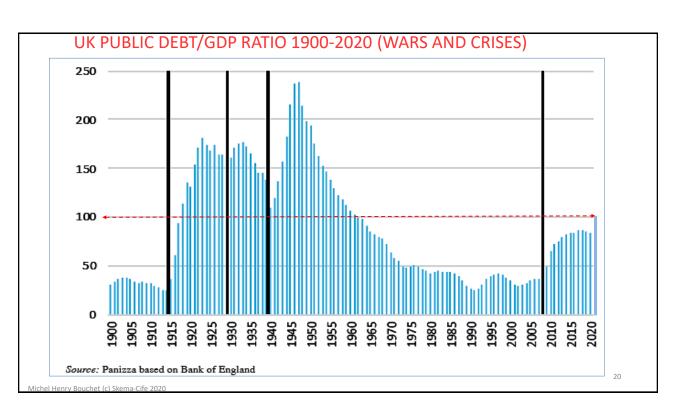
Flow variables

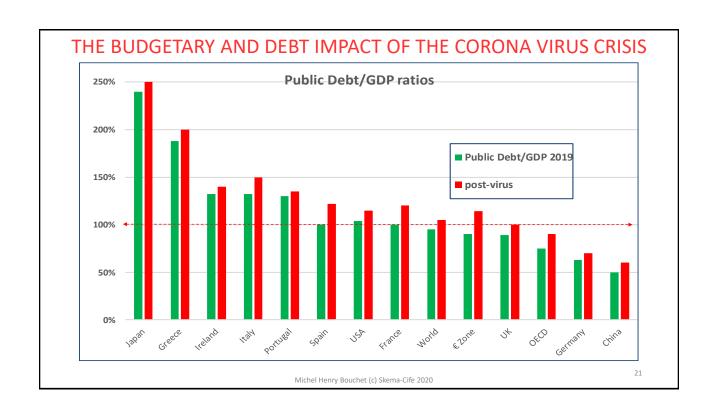
► Liquidity = Debt Service ratio < 33% of X Interest/X ratio < 25%

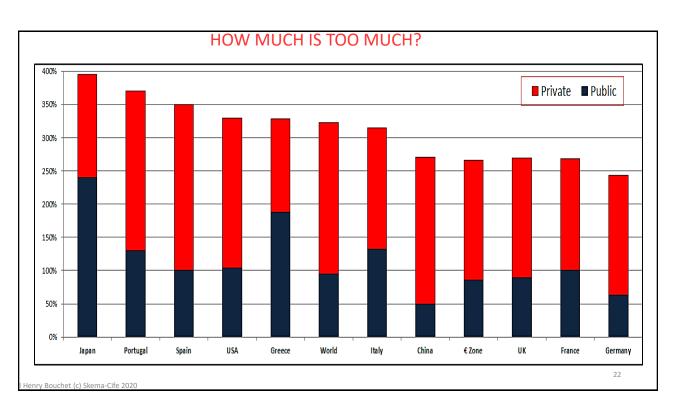
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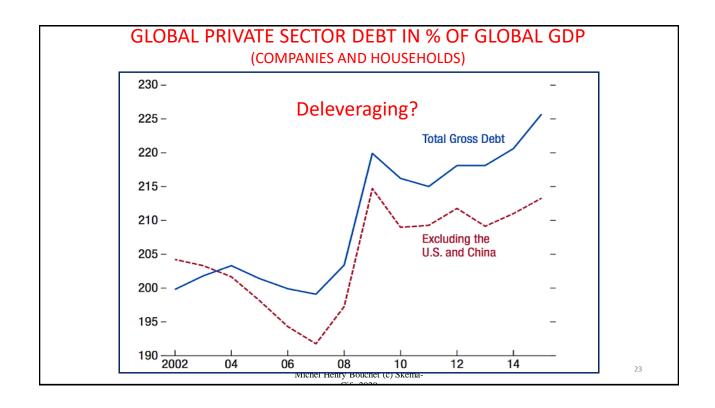


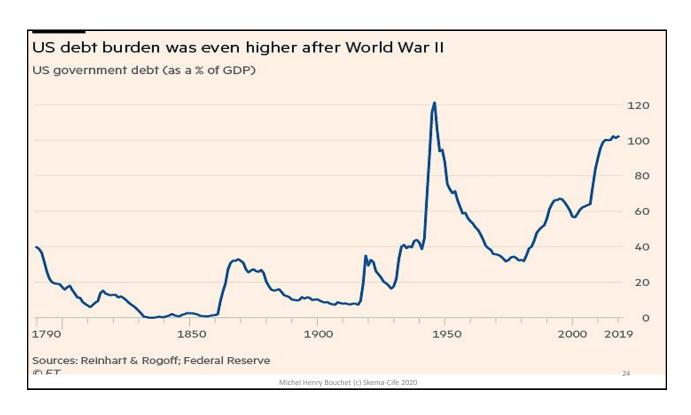


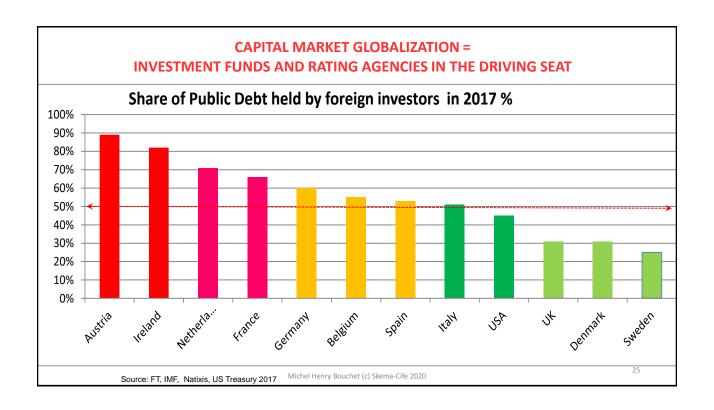


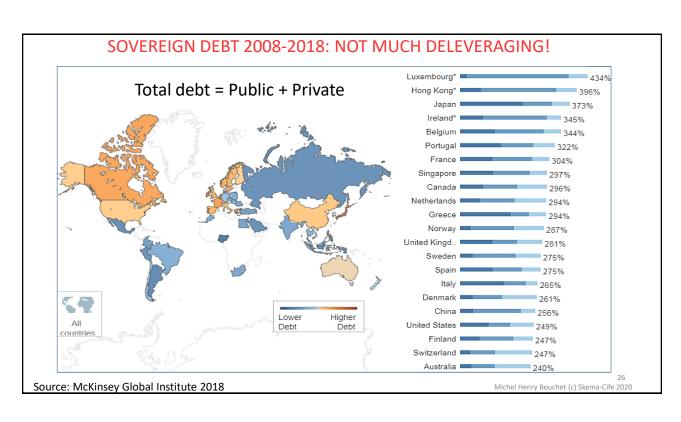


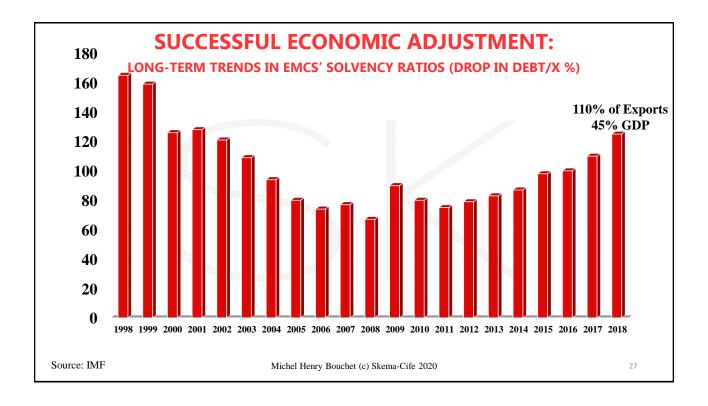












TWO COUNTRIES = TWO DEBT TRAJECTORIES

Solvencia

Public Debt/GDP= 100%

- ► Diversified export base
 - ► Diversified markets
- ► Mainly official creditors
- ► Long-term maturities= 12 years
 - ► Fixed rate for 80% of debt
 - Similar currency structure X revenues/liabilities
 - = no mismatch!

Liquidia

Public Debt/GDP= 100%

- ► Main export: hydrocarbons
- ► One main export destination: EU
- X revenues in €/debt payments in \$
 - ► Average debt maturity: 3 years
 - ▶ 66% of debt on floating rates
 - Large and growing private debt (corporate, bank and households)
 - Large reliance on private capital markets

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EXTERNAL FINANCING PROFILES IN 2020 RATIOS ECUADOR VIETNAM **GABON** +2,2% 0,5% -4% 1. CA/GDP 43% 47% 2. Debt/GDP 40% C/B C/C 3. Coface B/B 2200 6500 7700 4. GDP pc \$ 2 5 2 5. R/M <1% 7% 9% 6. FDI/GDP 123 169 7. Doing Bus/190 69 Michel Henry Bouchet (c) Skema-Cife 2020

DEBT DATA?

- http://www.bis.org/statistics/annex_map.htm
- http://stats.bis.org/statx/srs/table/A6?c=TN&p=20144
- http://www.clubdeparis.org/ en/communications/page/asof-31-december-2015

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Data are in millions	2015Q1	2015@2	2015@3	2015Q4	2018
A1. Loans and other credits (Debt of)					
01_Cross-border loans, by BIS reporting banks	9,299	8,768	8,862	9,125	9,6
02o/w to nonbanks	6,868	6,040	6,235	6,059	6,3
03_Official bilateral loans, total		_			
04o/w aid Ioans		_	-	-	
05o/w other		_	-	-	
06_Multilateral loans, total	6,768	7,113	7,285	-	
07o/w IMF	0		0	-	
08o/w other institutions	6,766	7,113	7,285	7,821	7,7
09_Insured export credit, Berne Union	7,807	7,721	7,650	7,144	7,1
10o/w short term	4,613	4,684	4,690	4,421	4,4
11_SDR allocations	774	780	788	778	7
A2. Loans and other credits (Debt due within a year)					
12_Liabilities to BIS banks (cons.), short term	2,874	2,301	2,429	2,378	2,5
13_Multilateral loans, IMF, short term		_	_	_	
B1. Debt securities (All maturities)					
14_Debt securities held by nonresidents		6,442	-	-	
B2. Debt securities (short term, original maturity)					
15_Debt securities held by nonresidents		132	_	-	
C. Supplementary information on debt (liabilities)					
16_International debt securities, all maturities	6,864	7,863	8,120	8,037	8,1
17o/w issued by nonbanks	6,664	7,882	7,820	7,738	7,8
18_International debt securities, short term	64	65	85	64	
19o/w issued by nonbanks	64	65	65	64	
20_Paris Club claims (ODA)		_	-	-	
21_Paris Club claims (non ODA)		-	-	-	
22_Liabilities to BIS banks, locational, total	12,929	12,632	12,575	12,784	13,2
23_Liabilities to BIS banks, consolidated, total	10,834	10,309	10,558	10,783	11,1
D. Memorandum items: selected foreign assets					
24_International reserves (excluding gold)	17,864	19,752	21,580	22,254	24,3
25o/w SDR holdings	770	785	773	763	7
26_Portfolio investment assets	-	_	_	_	
27_Cross-border deposits with BIS rep. banks	4,839	6,787	6,071	5,372	5,7
28 o/w deposits from nonbanks	2.604	2.669	2,472	2,333	2.4

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BALANCE of PAYMENTS (\$ million)	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Trade Balance	-1 130	-411	-1 577	-2 494	-4 000	-1 050	1 040	1 270	300	-500	-1 500	-4 000	-3 850	75
Merchandise exports	4 882	6 151	7 910	8 061	9 000	10 500	11 000	12 000	13 800	14000	13500	12000	13650	1500
Merchandise imports	-6 012	-6 562	-9 487	-10 555	-13 000	-11 550	-9 960	-10 730	-13 500	-14500	-15000	-16000	-17500	-1425
Balance on Services, Income & Transfers	-699	-529	-1 044	-2 201	-3 281	-2 107	-75	629	403	465	-184	-1 967	-3 010	-1 26
Services & income receipts	824	1 008	1 464	1 652	1 447	1 629	2 251	2 594	2 730	2 590	2 769	2 244	2 150	2 75
Exports of services	697	879	1 130	1 152	1 286	1 500	1 571	1 714	1 800	1 750	1 929	1 714	1500	185
Interest receipts	124	120	317	486	146	70	650	850	900	800	800	500	600	85
Other services & income receipts	2	9	17	15	15	59	30	30	30	40	40	30	50	5
Services & income payments	-1 737	-1 832	-3 133	-4 448	-5 197	-4 352	-3 077	-2 796	-3 207	-2 825	-3 452	-4 611	-5 385	-4 91
Imports of services	-902	-984	-1 423	-1 583	-1 950	-1 733	-1 494	-1 610	-2 025	-2 175	-2 250	-2 400	-2 625	-2 13
Interest payments	-831	-835	-1 681	-2 831	-3 197	-2 460	-1 433	-1 006	-992	-450	-802	-1 711	-2 235	-2 22
Other services & income payments	-4	-12	-29	-33	-50	-160	-150	-180	-190	-200	-400	-500	-525	-55
Transfers, net	214	295	625	594	469	616	750	830	880	700	500	400	225	90
Private transfers, net	103	182	320	394	269	565	600	630	630	450	400	300	125	65
Official transfers, net	111	113	305	200	200	51	150	200	250	250	100	100	100	25
Current Account	-1 829	-940	-2 621	-4 695	-7 281	-3 157	965	1 899	703	-35	-1 684	-5 967	-6 860	-513