# **Emerging Market Focus**

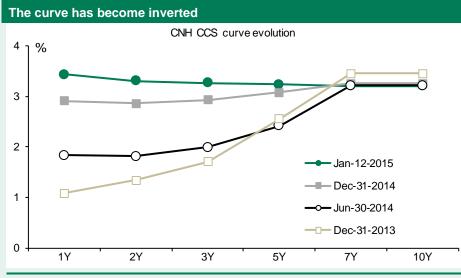
## 12 January 2015 14:43 GMT

# CNH CCS curve: deeper inversion ahead

- The SAFE has been reporting a net outflow of RMB funds from offshore to onshore markets since October 2014.
- Resulting tight CNH liquidity conditions are likely to prevail in coming months before easing later in the year.
- We expect the short end to lead the CNH CCS curve higher in H115. The move will reverse in H215 as CNH liquidity improves and the Fed starts hiking USD rates.
- We recommend betting on further inversion of the curve by receiving the 3Y tenor vs paying the 1Y tenor. Entry point: -17bp, target: -60bp, stop loss: +5bp.

### Up, up and away

CNH CCS rates have trended higher YTD, approaching record levels hit in late 2014. Their rise has been driven by two factors. Firstly, CNH liquidity has tightened back after a temporary respite towards the end of December, as shown by rising short-term money market rates. We believe that this has been caused by an **outflow of CNH funds from the offshore market** to the Mainland. Moreover, hedge funds have been betting on the tightness extending in coming months by paying forward CNH CCS rates.



Source: Bloomberg, Crédit Agricole CIB

Secondly, CNH FX swap points, with which CNH CCS rates are highly correlated, have moved to the right. Higher CNH FX swap points reflect client hedging, bets on liquidity tightening onshore and unwinding of short positions. Client hedging may be driven by fears of a further fall in the CNH spot. Expectations of tighter CNY liquidity were triggered by a relaxation of onshore loan-to-deposit ratio requirements, which stoked speculation that a cut in the RRR would be delayed. Short CNH FX swap positions had been built to capitalise on expected bank selling to hedge the client flow of structured products

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### Dariusz Kowalczyk

Senior Economist/Strategist - Asia ex-Japan dariusz.kowalczyk@ca-cib.com +852 2826 1519

Forces behind rising CNH CCS rates YTD:

- tightening of CNH liquidity

- shift to the right of CNH FX swap points



at the start of the year; the flow has practically not materialised, forcing dealers to unwind the shorts.

While all CNH CCS tenors have moved upwards, the short end has seen the steepest increase, leading to a clear inversion of the 2/1Y segment of the curve. However, the curve is inverted up to the 7Y tenor.

### It's all about liquidity

The outlook for CNH CCS rates depends largely on CNH liquidity, although the evolution of CNH FX swap points and asset swap transactions will continue to play their part. By and large, as long as liquidity remains tight, **the entire curve will likely be gravitating higher due to the positive carry of paying positions** resulting from the fact that funding costs are sharply above CCS rates. In particular, shorter tenors – 1Y and 2Y – will be pushed up in the process.

A relatively new series of SAFE data, which started to be released last year, explains the reason for the tight liquidity situation. After months of RMB flows moving from the Mainland to the rest of the world, since October the direction has been reversed and the RMB has, in net terms, been leaving the offshore market and moving back onshore.

In Q1-Q314, a net RMB711bn in liquidity was moved from onshore to offshore markets...



...but in the first two months of Q414 the direction of the flows reversed and a net RMB54bn returned to the Mainland

Source: CEIC, Crédit Agricole CIB

We believe that **liquidity will remain tight for the foreseeable future as net flows should continue to move from the global markets to the Mainland**. This is because key sources of outflows of the RMB from the offshore market to the onshore market – CNY settlement of direct investment, RQFII program and the Shanghai–Hong Kong Stock Connect program – are cumulatively larger than the main source of inflows: CNY-settled trade in goods.

The biggest source of drainage of offshore CNH liquidity has been the CNYsettled direct investment program. In the first 11 months of 2014, it resulted in a net flow of RMB504bn from offshore to onshore markets. The RQFII program, which allows foreign portfolio investors to use CNH to buy onshore financial assets, saw its cap increased by RMB375bn last year, and allocated quotas were boosted by RMB142bn to RMB300bn. The Shanghai–Hong Kong Stock Connect has so far resulted in RMB68bn in net buying of Mainland assets (see <u>CNH CCS:</u> high enough for detailed analysis).

As a result of the liquidity tightness, in H115 we expect the CNH CCS curve to become fully inverted across its term structure and the degree of inversion to increase in coming months. This would be consistent with the past, when the curve was upward-sloping at times of low CNH money market rates and inverted when they were high.

Main avenues of liquidity flows from offshore to onshore markets:

- CNY-settled direct investment
- RQFII program

<sup>–</sup> Shanghai–Hong Kong Stock Connect program

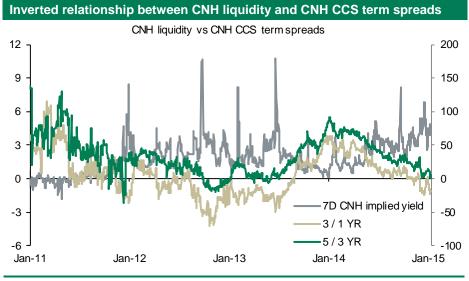


While longer-term trends for CNH CCS are notoriously difficult to predict, we think **it is likely that in H215 the liquidity situation will improve**. This is primarily because China's globalisation policy calls for net outflow of RMB from the Mainland, and we expect regulatory adjustments and initiatives to end the recent reversal of flows. Moreover, we expect 100bp in RRR cuts in H115, which would push onshore money market rates down, and – through increasingly easy arbitrage – have a similar impact on CNH money market rates.

CNH liquidity should improve in H215 due to:

- RMB globalisation policy

 RRR cuts and resulting liquidity easing onshore



Source: Bloomberg, Crédit Agricole CIB

As a result, **CNH CCS rates should decline in the second half of the year**. The move downwards will be led by the short end, likely leading to partial or complete dis-inversion of the curve. Rates will also come under downward pressure as a result of the likely move to the left of CNH FX swap points triggered by the rise in USD rates as the Fed begins to hike rates.

### Bet on further inversion in the near term

We recommend a trade that considers further inversion of the curve likely in the coming weeks in the 1Y-3Y segment. Judging by historical standards, at current levels of 1W CNH money market rates, the CNH CCS curve should be significantly more inverted. We expect CNH liquidity conditions to remain tight for longer and possibly to tighten further as a result of continued net flows of RMB from the offshore market to the Mainland in coming months. The 1Y tenor is likely to be more heavily impacted than the 3Y tenor.

In addition, there should be some receiving flows in the 3Y space connected with dim sum bond issuance by non-Chinese corporates, who could be incentivised to swap them back to the USD or to domestic currencies as the 3Y CNH CCS rate is trading relatively high compared to the 3Y CGB yield. The 3Y tenor should see a large share of dim sum issuance and more receiving flows than the 1Y tenor.

We recommend betting on further inversion of the curve by receiving the 3Y tenor and paying the 1Y tenor. The entry point is -17bp, the target is -60bp and the stop loss +5bp.

The CNH CCS curve should see downward pressure and at least partial dis-inversion in H215 due to: – the improvement in CNH liquidity – the likely fall in CNH FX swap points as USD rates rise on Fed tightening

Spread trade recommendation: receive 3Y and pay 1Y

Entry point -17bp

– Target -60bp

– Stop loss +5bp

### Forecasts

	'12	'13	'1	4	'15	'16					'12	'13	'1	4	'15	'16
Economy							Moneta	ry poli	су							
GDP (%, YoY)	7.8	7.7	7.	4	7.1	6.9	1Y PB	C depo	osit rate	(%)	3.00	3.00	) 2.	75	2.50	3.00
Contributions (ppt)							1Y PB	C lend	ing rate	(%)	6.00	6.00	) 5.	60	5.35	5.85
Consumption	4.2	3.9	3.	8	3.8	3.8	Requir	ed rese	rve ratio	o (%)	20.0	20.0	) 20	0.0	19.0	18.0
Investment	3.6	4.2	2.	8	3.6	3.5				. ,						
Trade	-0.1	-0.3	0.	8	-0.3	-0.4	Market									
							FX									
CPI (%, YoY)							USD/C	NY			6.23	6.05	56.	21	6.16	6.05
Year-end	2.5	2.5	1.	5	2.5	2.7	USD/C				6.22	6.06	6.	22	6.15	6.04
Average	2.7	2.6	2.	1	2.4	2.8	EUR/C	NY			8.22	8.33	37.	54	7.39	7.32
							EUR/C	NH			8.21	8.34	i 7.	56	7.38	7.31
Current account balance							<b>CNY IR</b>									
% of GDP (PBoC)	2.6	1.9	2.	1	1.2	0.5	2Y				3.35	5.20	) 3.	42	2.70	2.85
Trade balance (goods)							5Y				3.64	5.25	5 3.	55	3.06	3.23
USD bn (Customs)	233	261	38	4	456	431	10Y				3.83	5.44			3.35	3.55
% of GDP (PBoC)	2.8	2.8	3.		4.0	3.4	CGB									
Exports (volume, %, YoY)	9.5	7.9	5.		5.5	5.0	2Y				3.05	4.35	5 3.	31	2.65	2.75
Imports (volume, %, YoY)	5.2	7.2	2.		5.3	6.3	5Y				3.33	4.56			3.01	3.08
	0.2			•	0.0	0.0	10Y				3.64	4.78			3.30	3.40
Budget balance							CNH C	cs			0.01		, 0.	02	0.00	0.10
Official, CNY bn	-800	-120	) -13	50 -	1650	-1950	1Y				2.56	1.08	3 2	91	3.20	3.25
Official, % of GDP	-1.5		-2		-2.4	-2.6	2Y				2.33	1.34			3.00	3.05
Our estimate, % of GDP	-6.6				-6.5	-6.0	5Y				2.18	2.55			3.35	3.40
Our estimate, 78 or ODI	0.0	0.5	1	.0	0.5	0.0	51				2.10	2.00	, 0.	07	0.00	5.40
	Q113	Q213	2313	Q413	Q114	Q214	Q314	Q414	Q115	Q215	Q315	Q415	Q116	Q216	Q316	Q416
GDP																
QoQ (%)	1.6	1.8	2.3	1.7	1.5	2.0	1.9	1.7	1.4	1.9	1.8	1.7	1.5	1.7	1.7	1.6
QoQ (%, annualised)	6.6	7.4	9.5	7.0	6.1	8.2	7.8	7.1	5.7	7.6	7.4	7.0	6.1	7.0	6.8	6.6
YoY (%)	7.7	7.5	7.8	7.7	7.4	7.5	7.3	7.4	7.2	7.1	7.0	6.9	7.0	6.9	6.7	6.6
CPI (%, YoY)																
Average	2.4	2.4	2.8	2.9	2.3	2.2	2.0	1.5	1.7	1.9	2.0	2.3	2.5	2.6	2.7	2.6
Quarter-end	2.1	2.7	3.1	2.5	2.4	2.3	1.6	1.5	1.9	1.8	2.0	2.5	2.5	2.6	2.7	2.7
Monetary policy																
1Y PBoC deposit rate (%)	3.00	3.00	3.00	3.00	3.00	3.00	3.00	2.75	2.50	2.50	2.50	2.50	2.75	2.75	3.00	3.00
1Y PBoC lending rate (%)	6.00	6.00	6.00	6.00	6.00	6.00	6.00	5.60	5.35	5.35	5.35	5.35	5.60	5.60	5.85	5.85
Required reserve ratio (%)	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	19.5	19.0	19.0	19.0	18.5	18.0	18.0	18.0
FX rates																
USD/CNY	6.21	6.14	6.12	6.05	6.22	6.20	6.15	6.21	6.28	6.30	6.27	6.16	6.20	6.21	6.13	6.05
USD/CNH	6.20	6.14	6.12	6.06	6.22	6.21	6.14	6.22	6.27	6.29	6.26	6.15	6.19	6.20	6.12	6.04
EUR/CNY	7.96	7.99	8.26	8.33	8.56	8.47	7.74	7.54	7.66	7.69	7.59	7.39	7.32	7.20	7.05	6.96
EUR/CNH	7.95		8.26	8.34	8.52	8.47	7.73	7.56	7.65	7.68	7.58	7.38	7.31	7.20	7.04	6.95
CNY IRS						-								-	-	
2Y	3.37	3.85	3.98	5.20	4.35	3.74	3.30	3.42	2.40	2.40	2.55	2.70	2.85	3.00	3.10	3.15
5Y	3.67		4.17	5.25	4.55	4.10	3.53	3.55	2.65	2.70	2.88	3.06	3.23	3.41	3.57	3.70
10Y	3.87		4.37	5.44	4.72	4.29	3.72	3.74	2.85	2.95	3.15	3.35	3.55	3.75	3.95	4.15
CGB	0.01	1.01	1.07	0.11		1.20	0.72	0.1 1	2.00	2.00	0.10	0.00	0.00	0.10	0.00	
2Y	3.01	3.33	3.71	4.35	3.57	3.73	3.93	3.31	2.55	2.45	2.55	2.65	2.75	2.85	2.90	2.90
5Y	3.38		3.94	4.56	4.25	4.06	4.05	3.51	2.90	2.45	2.93	3.01	3.08	3.16	3.22	3.25
10Y	3.70		4.06	4.78	4.63	4.11	4.03	3.62	3.05	3.10	3.20	3.30	3.40	3.55	3.65	3.80
CNH CCS	0.70	0.00	1.00	4.70	4.00	4.11	4.02	0.02	0.00	0.10	0.20	0.00	0.40	0.00	0.00	0.00
1Y	2.13	2.49	1.78	1.08	0.97	1.83	2.61	2.91	3.75	3.65	3.40	3.20	3.25	3.30	3.35	3.40
2Y	1.99		1.82	1.34	1.18	1.81	2.58	2.91	3.45	3.35	3.40	3.00	3.05	3.15	3.20	3.25
21 5Y	1.99		2.46	2.55	2.24		3.04	2.00	3.45	3.35	3.20	3.35	3.05	3.15	3.20	3.25
	1.52	2.24	2.40	2.00	2.24	2.41	0.04	0.07	0.00	0.00	0.00	0.00	0.40	5.45	0.00	0.00

Source: Bloomberg, Crédit Agricole CIB

### **CRÉDIT AGRICOLE DRATE & INVESTMENT BANK**

### **Global Markets Research contact details**

	Jean-Fra	nçois Paren Head of Global Markets Research	+33 1 41 89 33 95			
	Asia (Hong Kong & Tokyo)	Europe (London & Paris)	Americas (New York)			
	TBC	Sébastien Barbé Head of Global Markets Research for Europe and Head of EM Research and Strategy +33 1 41 89 15 97	David Keeble ** Head of Global Markets Research for the Americas and Global Head of Interest Rates Strategy +1 212 261 3274			
Macro Strategy	Kazuhiko Ogata Chief Economist – Japan +81 3 4580 5360	Frederik Ducrozet Senior Economist – Eurozone +33 1 41 89 98 95	Michael P. Carey ** Chief Economist – North America +1 212 261 7134 Brittany Baumann ** US Associate +1 212 261 7140			
Interest Rates (Head: David Keeble)	Yoshiro Sato Economist/Strategist-Japan +81 3 4580 5337	Romain Blanchet IRD Strategist +33 1 41 89 00 64	David Keeble ** Global Head of Interest Rates Strategy +1 212 261 3274			
		Orlando Green Senior Interest Rates Strategist +44 20 7214 7467	Jonathan Rick ** IRD Strategist +1 212 261 4096			
		Jean-François Perrin Inflation Strategist +33 1 41 89 94 22				
Emerging Markets (Head: Sébastien Barbé)	Dariusz Kowalczyk Senior Economist/Strategist – Asia ex-Japan +852 2826 1519	Sébastien Barbé Head of EM Research and Strategy +33 1 41 89 15 97	Mark McCormick ** <sup>‡</sup> FX Strategist +1 212 261 4108			
		Jakub Borowski Chief Economist - Crédit Agricole Bank Polska SA + 48 22 573 18 40				
		Alexander Pecherytsyn Chief Economist – Crédit Agricole Bank Ukraine + 38 44 493-9014				
		Guillaume Tresca Senior Emerging Market Strategist +33 1 41 89 18 47				
Foreign Exchange	TBC	Adam Myers European Head of FX Strategy +44 20 7214 7468	Mark McCormick ** <sup>‡</sup> FX Strategist +1 212 261 4108			
		Manuel Oliveri FX Strategist +44 20 7214 7469				

\*\* employee(s) of Crédit Agricole Securities (USA), Inc.

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### Dariusz Kowalczyk

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