

2022 Issue 12

From March 28 to April 1

Authors

CCXI Overseas Business Department

Mia Zhu 010-66428877-570

llzhu@ccxi.com.cn

Chris Dong 010-66428877-567

xndong@ccxi.com.cn

CCXAP

Karissa Du 852-28607126

karissa_du@ccxap.com

Peter Chong 852-28607124

peter_chong@ccxap.com

Other Contact

Elle Hu 852-28607120

elle_hu@ccxap.com

Date: April 6, 2022

US Treasury yield curve inverted; Chinese offshore bond issuance increased slightly; return on Chinese USD bond increased

Headline: Euro zone price rises continue to hit record highs

According to the latest data disclosed by Eurostat, inflation in the eurozone soared to 7.5% in March, breaking the euro zone's previous record of 5.9% last month and also the largest increase in the euro since records began. The spike in energy costs triggered by the Russia-Ukraine conflict is considered as a major factor driving up inflation in the euro zone. Inflation in the euro zone has been breaking records every month since November 2021. With high inflation, whether the euro zone can avoid a recession in 2022 is in question.

Exchange Rate: RMB exchange rate fluctuated downward

This week, the RMB exchange rate fluctuated downward. As of April 1, the RMB mid-point rate closed at 6.3509, declined by 230bp compared with last Friday.

Interest Rate: China Government Bond yields fluctuated downward; US treasury yields showing an inversion

This week, China Government Bond yields fluctuated downward. The 1-year China Government Bond yields decreased by 5.80bp compared with last Friday. The strong US non-farm payrolls data in March supported the Fed to raise interest rates sharply in May, driving the US short-term Treasury yields up, with the 2-year and 10-year Treasury yields showing an inversion. As of April 1, the yield spread between China and US 10-year note was 39.2bp, widening by 6.8bp from last Friday and narrowing by 75.5bp from the beginning of the year.

Chinese Offshore Bond Market

Primary Market: Chinese offshore bond issuance increased slightly

From March 28 to April 1, there were 32 new issues with a total issued volume of USD3.34 billion, increasing slightly by 8.4 % from last week. Among them, State Grid International Development Limited was the largest issuer, issuing 2 bonds of USD1 billion.

Secondary Market: Return on Chinese USD bond dropped

As of April 1, the YTD return on Chinese USD corporate bond index increased by 154bp from last Friday to -6.61%. The return on investment-grade bonds increased by 64bp to -4.63%, and the return on high-yield bonds increased by 489bp to -13.45%. In terms of sector indices, returns on non-financial, financial, real estate and Chengtuo bonds were -5.10%, -7.65%, -19.44% and -0.64% increased by 52bp, 226bp, 731bp and 7bp from last Friday, respectively.

Rating Action: CCXAP assigns first-time long-term credit rating of **BBB_g+** to Yangzhou Economic and Technological Development Zone Development (Group) Co., Ltd., with stable outlook; upgrades Shangrao Innovation Development Industry Investment Group Co., Ltd.'s long-term credit rating to **BBB_g-**, with stable outlook.

Credit Events: Yuzhou Group defaulted on USD bonds

Panda Bond Market

No Panda Bond Issued this week

Issuer Analysis: China Everbright Water Limited

Headline: Euro zone price growth continued to hit record high

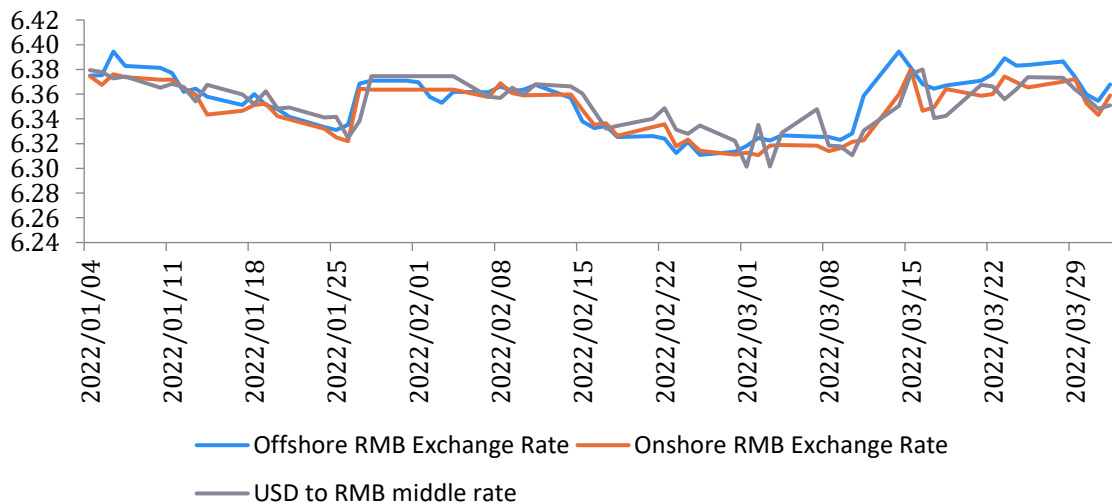
According to the latest data disclosed by Eurostat, inflation in the eurozone soared to 7.5% in March, breaking the euro zone's previous record of 5.9% last month and also the largest increase in the euro since records began. The spike in energy costs triggered by the Russia-Ukraine conflict is considered as a major factor driving up inflation in the euro zone. Inflation in the euro zone has been breaking records every month since November 2021. With high inflation, whether the euro zone can avoid a recession in 2022 is in question.

Almost all prices in 19 eurozone countries in the euro zone are rising, mainly driven by soaring prices of fuel, gas and electricity. Among them, energy prices accelerated under the influence of international conflicts, rising by 44.7% year-on-year in March after a year-on-year increase of 32% in February; food, tobacco and alcohol prices rose by 5% in March after a year-on-year increase of 4.2% in February ; Industrial product prices rose 3.4% in March after rising 3.1% year-on-year in February; service prices rose 2.7% in March after rising 2.5% year-on-year in February.

Exchange Rate: The RMB exchange rate fluctuated downward

This week, the RMB exchange rate fluctuated downward. As of April 1, the RMB mid-point rate closed at 6.3509, decreased by 230bp compared with last Friday; the onshore RMB exchange rate decreased by 64bp to 6.3591 compared with last Friday; the offshore RMB exchange rate decreased by 159bp to 6.3678 compared with last Friday. The IMF released data on the composition of foreign exchange reserve currencies, in which the proportion of the RMB in COFER in the fourth quarter of 2021 rose again and achieved a new high since the fourth quarter of 2016.

Figure 1 : RMB exchange rate



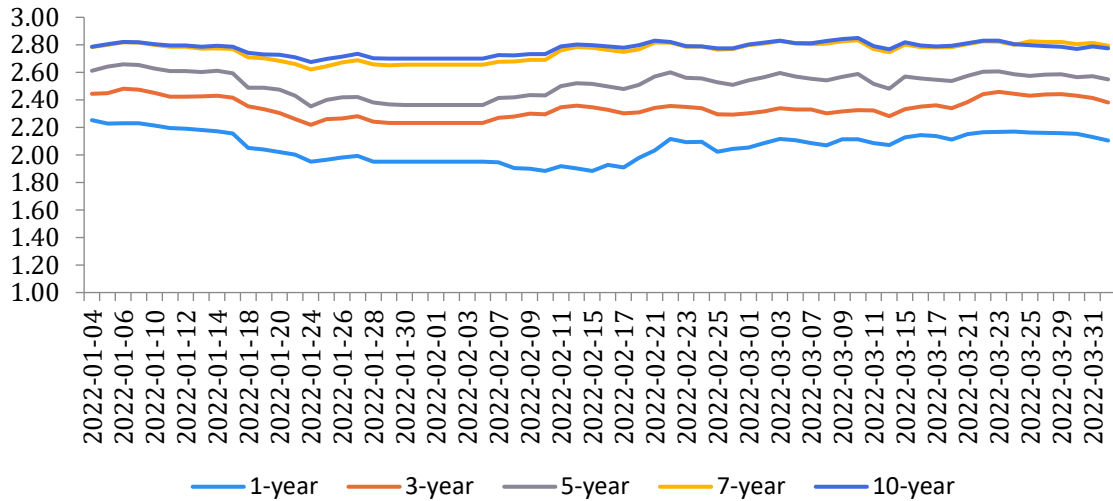
Sources: Wind, CCX research

Interest Rate: China Government Bond yields fluctuated downward; US treasury yields showing an inversion

The China Government Bond yields fluctuated downward this week. As of April 1, the 1-year;

3-year, 5-year, 7-year, and 10-year China Government Bond yields declined since last Friday, closing at 2.1052%, 2.3807%, 2.5495%, 2.7925%, and 2.7743% respectively, and decreasing by 5.80bp, 5.02bp, 2.61bp, 3.25bp, and 2.29bp respectively.

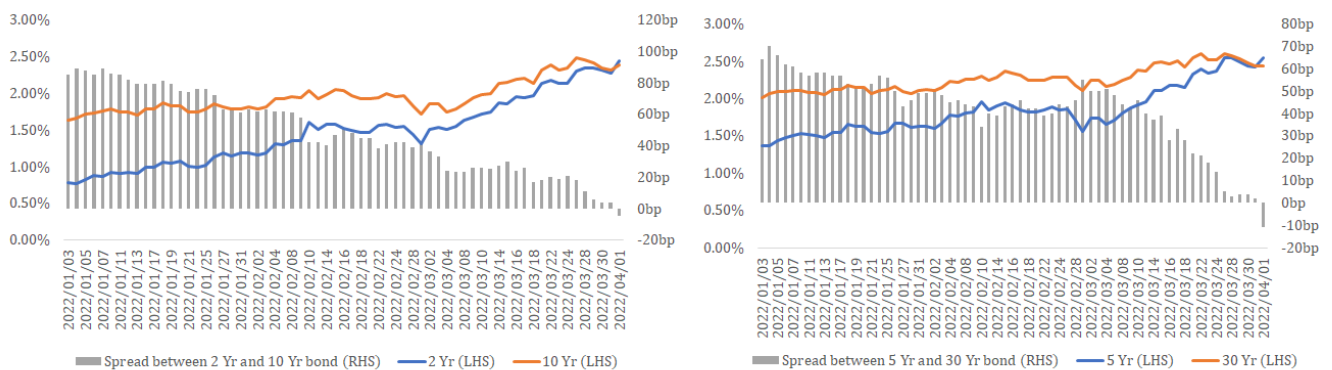
Figure 2 : China Government Bond yields



Sources: ChinaBond.com.cn, CCX research

The strong US non-farm payrolls data in March supported the Fed to raise interest rates sharply in May, driving the US short-term Treasury yields up, with the 2-year and 10-year Treasury yields showing an inversion. As of April 1, the 2-year, 5-year, 10-year and 30-year Treasury yields were 2.44%, 2.55%, 2.39% and 2.44% respectively, of which the 2-year increased by 14bp from last Friday, and 10-year and 30-year Treasury yields decreased by 9bp and 16bp respectively compared with last Friday, and the 5-year period was the same as last Friday. In terms of U.S. Treasury bond spreads, the 2-year and 10-year Treasury bond spreads narrowed by 23bp to -5bp from last Friday, and the 5-year and 30-year Treasury bond spreads narrowed by 16bp to -11bp from last Friday.

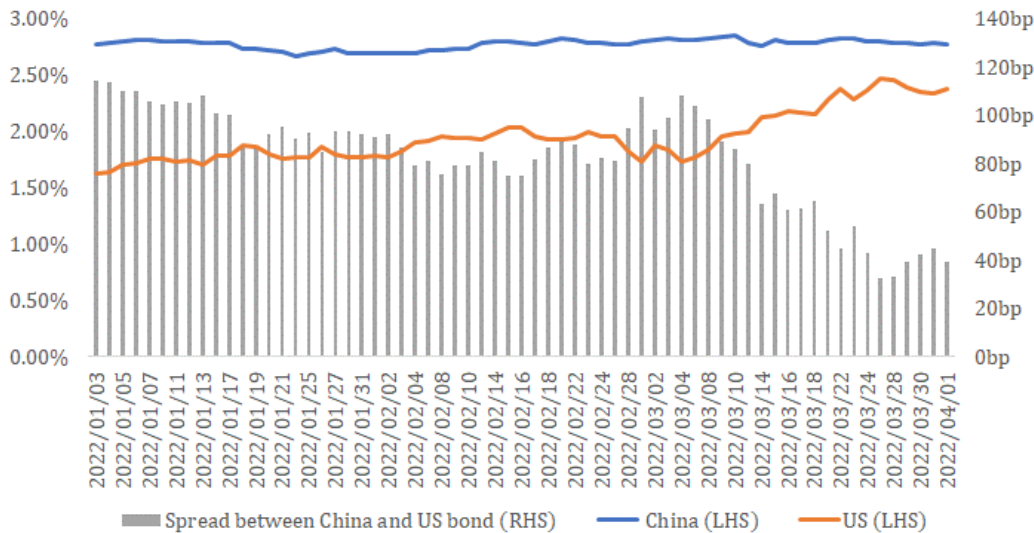
Figure 3 : US Treasury yields and yield spreads



Sources: US Department of the Treasury, CCX research

As of April 1, the yield spread between China and US 10-year note was 39.2bp, widening by 6.8bp from last Friday and narrowing by 75.5bp from the beginning of the year.

Figure 4 : Yield spread between China and US 10-year note



Sources: Bloomberg, ChinaBond.com.cn, CCX research

Chinese Offshore Bond Market

Primary Market: Chinese offshore bond issuance increased slightly

From March 28 to April 1, there were 32 new issues with a total issued volume of USD3.34 billion, increasing slightly by 8.4 % from last week. Among them, State Grid International Development Limited was the largest issuer, issuing 2 bonds of USD1 billion.

Table 1 : New issuance of Chinese offshore bonds(20220328-20220401)

Pricing Date	Obligor	Currency	Amount (million)	Coupon (%)	Maturity	Tenor	Industry	Issuer Rating (Moody's/S&P/Fitch)	Issue Rating (Moody's/S&P/Fitch)
2022/3/28	Bank of China Ltd/Macau	CNY	10	3.18	2022/9/21	175D	Chengtou	A1/A/A	-/-
2022/3/28	Zhengzhou Airport Economy Zone Xinggang Investment Group Co Ltd	USD	200	4.7	2025/4/1	3	Banks	-/-/BBB	-/-/BBB
2022/3/29	Bank of China Ltd/Macau	USD	13	5.625	2024/5/14	2.12	Banks	A1/A/A	-/-
2022/3/29	Chiyu Banking Corp Ltd	USD	200	5.75	2032/4/7	10	Chengtou	Baa1/-/-	-/-
2022/3/29	Jiangsu Tenghai Investment Holdings Group Co Ltd	USD	100	3.4	2025/4/7	3	Chengtou	-/-	-/-
2022/3/29	Qingdao Jiaozhou Urban Development & Investment Co Ltd	USD	150	4.7	2025/4/11	3	Banks	-/-	-/-
2022/3/30	Bank of China Ltd/Macau	USD	11	2.22	2026/7/2	4.25	Financials	A1/A/A	-/-
2022/3/30	China International Capital Corp Hong Kong Ltd	GBP	1	1.23	2023/4/6	365D	Financials	Baa1/BBB+/BBB+	-/-
2022/3/30	China International Capital Corp Hong Kong Ltd	GBP	1	1.237	2023/4/6	365D	Financials	Baa1/BBB+/BBB+	-/-
2022/3/30	China International Capital Corp Hong Kong Ltd	USD	2	1.3	2022/10/6	183D	Financials	Baa1/BBB+/BBB+	-/-
2022/3/30	China International Capital Corp Hong Kong Ltd	USD	2	1.81	2023/4/4	363D	Financials	Baa1/BBB+/BBB+	-/-

2022/3/30	Huatai International Financial Holdings Company Limited	CNY	8	0	2027/1/27	4.82	Financials	-/BBB+/-	-/-
2022/3/30	Huatai International Financial Holdings Company Limited	CNY	8	0	2027/1/27	4.82	Financials	-/BBB+/-	-/-
2022/3/30	Huatai International Financial Holdings Company Limited	CNY	8	0	2027/1/27	4.82	Financials	-/BBB+/-	-/-
2022/3/30	Huatai International Financial Holdings Company Limited	USD	100	1.5	2023/4/6	364D	Financials	-/BBB+/-	-/-
2022/3/30	Huatai International Financial Holdings Company Limited	USD	100	1.5	2023/4/6	364D	Financials	-/BBB+/-	-/-
2022/3/30	Huatai International Financial Holdings Company Limited	USD	100	1.5	2023/4/6	364D	Chengtou	-/BBB+/-	-/-
2022/3/30	Huzhou Nanxun Tourism Investment Development Group Co Ltd	USD	29	3.2	2025/4/7	3	Materials	-/-	-/-
2022/3/30	Inner Mongolia BaoTou Steel Union Co Ltd	USD	100	5.35	2025/4/6	3	Energy	-/-/BB+	-/-
2022/3/30	MIE Holdings Corp	USD	273	0	2024/12/31	2.76	Utilities	-/-	-/-
2022/3/30	State Grid International Development Ltd	USD	650	3.125	2025/4/7	3	Utilities	A1/A+/A+	-/-
2022/3/30	State Grid International Development Ltd	USD	350	3.25	2027/4/7	5	Real Estate	A1/A+/A+	-/-
2022/3/31	CIFI Holdings Group Co Ltd	HKD	1,957	6.95	2025/4/8	3	Consumer Discretionary	Ba2/BB/BB	-/-
2022/3/31	Deqing County Cultural Tourism Development Group Co Ltd	USD	49	3.4	2025/4/8	3	Consumer Discretionary	-/-	-/-
2022/3/31	Deqing County Cultural Tourism Development Group Co Ltd	USD	46	4	2025/4/8	3	Consumer Discretionary	-/-	-/-
2022/3/31	Shandong Commercial Group Co Ltd	USD	60	3.4	2024/4/11	2	Financials	-/-	-/-
2022/3/31	Huatai International Financial Products Ltd	CNY	8	0	2027/1/27	4.82	Financials	-/BBB+/-	-/-
2022/3/31	Huatai International Financial Holdings Company Limited	CNY	305	0	2027/3/8	4.93	Chengtou	-/BBB+/-	-/-
2022/3/31	Jiangsu Hanrui Investment Holding Co Ltd	USD	122	6.5	2025/4/7	3	Chengtou	-/-	-/-
2022/3/31	Nanjing Future Sci-Tech City Economy Development Co Ltd	USD	35	3.3	2025/4/7	3	Chengtou	-/-	-/-
2022/3/31	Pingxiang City Construction Investment Group Co Ltd	USD	244	4.5	2025/3/6	2.92	Chengtou	-/-	-/-
2022/4/1	Yuyao Economic Development Zone Construction Investment & Development Co Ltd	USD	100	3.9	2025/4/7	3	Chengtou	Baa3/-/-	-/-/BBB-

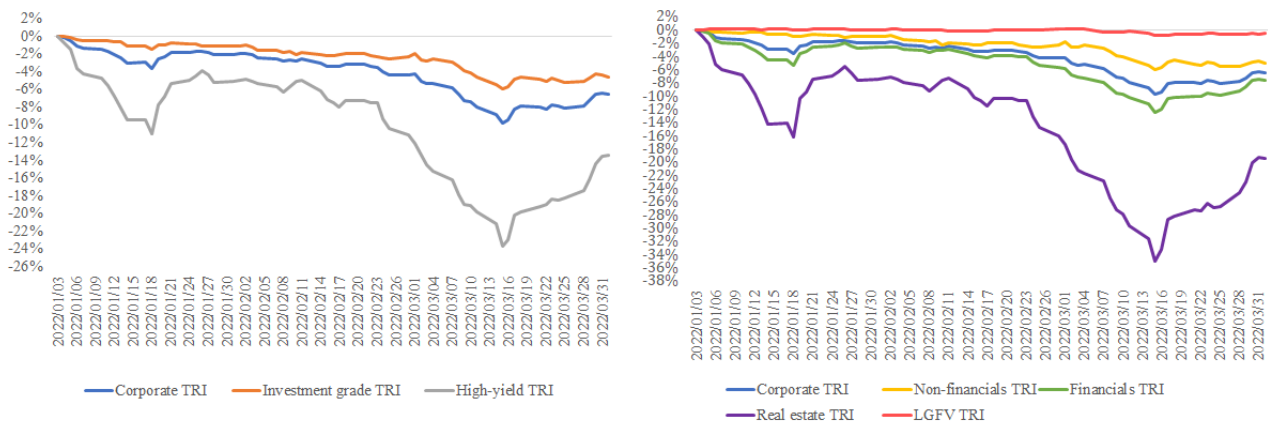
Sources: Bloomberg, CCX research

Secondary Market: Return on Chinese USD bond dropped

As of April 1, the YTD return¹ on Chinese USD corporate bond index increased by 154bp from last Friday to -6.61%. The return on investment-grade bonds increased by 64bp to -4.63%, and the return on high-yield bonds increased by 489bp to -13.45%. In terms of sector indices, returns on non-financial, financial, real estate and Chengtou bonds were -5.10%, -7.65%, -19.44% and -0.64%, increasing by 52bp, 226bp, 731bp and 7bp from last Friday, respectively.

¹ Year-to-date return measures the return since January 3, 2022

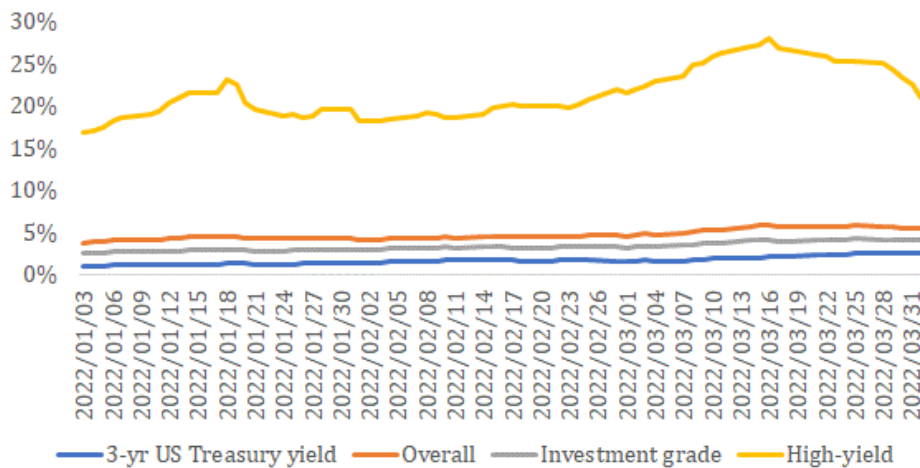
Figure 5 : YTD return on Markit IBoxx Chinese USD bond index



Sources: Bloomberg, CCX research

As of April 1, the yield-to-worst of Chinese dollar bonds decreased by 30bp to 5.51% from last Friday, of which investment grade bond index decreased by 8bp to 4.16%, and high-yield bond index decreased by 427bp to 20.97%.

Figure 6 : Yield-to-worst of Bloomberg Barclays Chinese USD bond index



Sources: Bloomberg, CCX research

Rating Action: CCXAP assigns first-time long-term credit rating of BBB_g+ to Yangzhou Economic and Technological Development Zone Development (Group) Co., Ltd., with stable outlook; upgrades Shangrao Innovation Development Industry Investment Group Co., Ltd.’s long-term credit rating to BBB_g-, with stable outlook.

On March 28, China Chengxin (Asia Pacific) Credit Ratings Company Limited (“CCXAP”) has assigned the first-time long-term credit rating of Yangzhou Economic and Technological Development Zone Development (Group) Co. Ltd. (“YETD”) at BBB_g+, with stable outlook.

On March 31, CCXAP has upgraded the long-term credit rating of Shangrao Innovation Development Industry Investment Group Co., Ltd.’s (“SIIG” or the “Company”) to BBB_g- from BB_g+

Table 2: Rating Action of CCXAP (20210328-20220401)

Date	Entity	Issuer Rating	Rating Rationale
2022/3/28	YETD	BBB _g +	The credit rating is underpinned by the Company's (1) key role in primary land development and infrastructure construction in Yangzhou Economic and Technological Development Zone ("Yangzhou ETDZ"); and (2) good access to funding. However, the rating is constrained by the Company's (1) large capital expenditure pressure and high debt leverage; and (2) high contingent risk that results from external debt guarantees and money lending.
2022/3/31	SIIG	BBB _g -	The credit rating is underpinned by the Company's (1) strong position in public service provision in Shangrao Economic and Technical Development Zone ("Shangrao ETDZ"); and (2) important position in industrial investment of Shangrao City. However, the rating is constrained by the Company's (1) high debt leverage; and (2) moderate asset quality and weak liquidity profile.

Sources: CCX research

From March 28 to April 1, rating agencies took positive rating action on 1 Chinese issuers and negative rating action on 11 Chinese issuers.

Table 3: Credit rating changes of cross-border bond market (20220328-2022401)

	Entity	Sector	Current Rating			Previous Rating			Rating Agency	Reason of Change
			Entity Rating	Outlook	Date	Entity Rating	Outlook	Date		
International Rating:										
	Haidilao International Holding Ltd	Consumer Discretionary	BBB-	Stable	2022/3/28	BBB	RWN	2022/2/22	S&P	Operating performance is weaker than expected and debt leverage weaken
	CIFI Holdings (Group) Co. Ltd	Real Estate	BB	NEG	2021/3/29	BB	Stable	2022/4/2	S&P	liquidity stress and the company's joint-venture (JV) projects risks
Downgrade	Haidilao International Holding Ltd	Consumer Discretionary	BBB-	Stable	2022/3/29	BBB	NEG	2021/8/31	Fitch	Haidilao's EBITDA will be sustained at a lower level compared with previous forecast
	Agile Group Holdings Ltd	Real Estate	B2	RWN	2022/3/30	B1	NEG	2022/1/18	Moody's	increased refinancing uncertainties and governance risks
	Zhenro Properties Group Limited	Real Estate	RD		2022/3/30	C		2022/2/21	Fitch	completion of an exchange offer
	Liuzhou Dongtong Investment	Chengtou	B+	Stable	2022/3/31	BB-	Stable	2021/8/29	Fitch	weak liquidity and

& Development Co., Ltd										high leverage
Lanzhou Construction Investment (Holding) Group Co., Ltd	Chengtou	B1	Rating Under Review	2022/3/31	Ba2	NEG	2022/1/12	Moody's		weak debt management and heightened refinancing risks
Agile Group Holdings Ltd	Real Estate	B-	RWN	2022/3/31	B+	NEG	2022/1/17	S&P		weakened reporting, governance, and risk management
Dexin China Holdings Company Limited	Real Estate	B2	NEG	2022/3/31	B2	Stable	2019/7/15	Moody's		weakened transparency and information disclosure following its announced delay in publishing audited financials
KWG Group Holdings Ltd	Real Estate	B-	RWN	2022/4/1	B+	NEG	2021/11/25	S&P		weak internal controls and governance
Honghua Group Limited	Energy	B2	NEG	2022/4/1	B1	NEG	2021/4/22	Moody's		leverage will remain elevated amid a likely volatile business profile over the coming 12 to 18 months
Dexin China Holdings Co. Ltd	Real Estate	B-	RWN	2022/4/1	B	NEG	2021/11/3	S&P		weakened reporting, governance, and risk management
Health and Happiness International Holdings Limited	Consumer Discretionary	Ba3	Stable	2022/4/1	Ba2	NEG	2021/8/27	Moody's		leverage will stay elevated

Domestic Rating:

upgrade	Qingdao City Construction Investment (Group) Limited	Chengtou	A	Stable	2022/3/31	A-	POS	2021/4/7	Lianhe Global	increased strategic importance
---------	--	----------	---	--------	-----------	----	-----	----------	---------------	--------------------------------

Sources: Bloomberg, Wind, CCX research

Credit event: Yuzhou Group defaulted on USD bonds

On March 31, Yuzhou Group Holdings Co., Ltd. ("Yuzhou Group") announced that the interest on the 8.50% senior notes due 2024 in the amount of USD21 million, the interest on the 7.70% senior notes due 2025 in the amount of USD15 million, and the interest on the 7.85% green senior notes due 2026 in the amount of USD12 million became due and payable and the grace period for the interest payment of these securities has expired, and the Company did not make the payment by the expiry, which constitutes an event of default. As of the announcement date, Yuzhou Group has 10 outstanding USD bonds with a total size of USD4.3 billion.

Panda Bond Market

No Panda Bond issued this week

Table 4: New issuance of Panda Bond in the Year 2022 (20220103-20220401)

Issuer	Amount (RMB billion)	Coupon (%)	Issue date	Maturity	Tenor	Bond Type	Issue Market	Local Rating Agency
China Mengniu Dairy Company Limited	2.5	2.2	2022/3/22	2022/6/10	0.22	SCP	China Interbank Market	China Chengxin
China Traditional Chinese Medicine Holdings Co. Limited	1	2.32	2022/3/21	2022/10/17	0.58	SCP	China Interbank Market	China Chengxin
Yuexiu Transport Infrastructure	1	3.28	2022/3/18	2027/3/18	5	MTN	China Interbank Market	China Chengxin
Hengan International Group Co., Ltd	1.5	2.4	2022/3/18	2022/9/14	0.49	CP	China Interbank Market	China Chengxin
GLP China Holdings Limited	1	4.3	2022/3/7	2025/3/7	3	Corporate Bond	Shanghai Exchange Market	Shanghai Brilliance Rating
Hengan International Group Co., Ltd	1	2.5	2022/3/3	2022/8/30	0.49	CP	China Interbank Market	China Chengxin
Hengan International Group Co., Ltd	1	2.5	2022/3/3	2022/8/30	0.49	CP	China Interbank Market	China Chengxin
China Mengniu Dairy Company Limited	2.5	2.33	2022/2/24	2022/5/25	0.25	SCP	China Interbank Market	China Chengxin
BMW Finance N.V.	1.5	2.89	2022/2/21	2024/2/21	2	MTN	China Interbank Market	China Chengxin
BMW Finance N.V.	2.5	3.1	2022/2/21	2025/2/21	3	MTN	China Interbank Market	China Chengxin
China Traditional Chinese Medicine Co. Limited	1	2.4	2022/2/18	2022/11/15	0.74	SCP	China Interbank Market	China Chengxin
New Development Bank	3	2.45	2022/1/27	2025/1/27	3	International Institution Bond	China Interbank Market	-
China Mengniu Dairy Company Limited	2.5	2.35	2022/1/24	2022/4/22	0.24	SCP	China Interbank Market	China Chengxin
Beijing Enterprises Water Group Limited	1	2.97	2022/1/21	2027/1/21	5	MTN	China Interbank Market	Shanghai Brilliance Rating
Beijing Enterprises Water Group Limited	1	3.38	2022/1/21	2027/1/21	5	MTN	China Interbank Market	Shanghai Brilliance Rating
China Everbright Water Limited	1	2.50	2022/1/13	2022/6/12	0.41	SCP	China Interbank Market	Shanghai Brilliance

								Rating
Shenzhen International Holdings Limited	1	2.95	2022/1/10	2028/1/10	6	Corporate Bond	Shenzhen Exchange Market	Lianhe Credit Rating

Sources: Bloomberg, CCX research

Issuer Analysis: China Everbright Water Limited.

Issuer profile: China Everbright Water Company Limited, formerly known as Bio-Treat Technology Limited, was incorporated as a limited company in Bermuda on 22 August 2003 and listed on the Singapore Exchange in February 2004 (stock code: U9E.SG). In May 2011, it was renamed as HanKore Environment Tech Group Limited by controlling shareholder Giant Delight Holdings Limited. On December 12, 2014, China Everbright Environment (Group) Co., Ltd. completed the acquisition of the company and became the controlling shareholder. The actual controller is China Everbright Group Co., Ltd., and the company is renamed China Everbright Water Limited. The Company was listed on the Main Board of the Hong Kong Stock Exchange on 8 May 2019 (stock code: 1857.HK). The company is the only water business operation platform of Everbright Group. Its main business includes comprehensive treatment of water environment, sponge city construction, watershed treatment, water supply, sewage treatment, reclaimed water reuse, sewage source heat pump, sludge disposal and environmental protection water technology research and development and engineering construction, etc. Its business is distributed in East China, Central China, South China, North China, Northeast China, and Northwest China. Its sewage treatment business adopts BOT and TOT models. The two business models have invested a lot of money in the early stage. The government generally signs a long-term franchise contract with the company for 25 to 30 years. The BOT is different from the TOT, which is directly operated and charged, while the BOT needs to go through a 1 to 2-year project construction period before it can be put into operation. As of the end of June 2021, the company held 103 sewage treatment projects in operation (including trial operation), and the scale of sewage treatment involved was 4.87 million cubic meters per day. With the improvement of China's environmental awareness, the main business of Everbright Water has a good prospect and obvious scale advantages. In recent years, Everbright Water has continued to expand the scale of projects, and the company's capital expenditure pressure will continue to increase. The business model leads to a large upfront investment and a long-term return on investment period. The requirements for project quality control and management risks should be increased.

Issuance history: China Everbright Water Limited entered the Panda Bond Market in 2019 and issued a total of 8 bonds, raising RMB 6.3 billion RMB altogether. 2 medium-term notes and 2 super short-term commercial papers are issued in the interbank market, and 4 corporate bonds are issued in the exchange market. The average coupon rate is 3.73%, and the average spread is 90.61bp. The funds raised are mainly used to supplement the working capital of domestic subsidiaries and repay the debts of subsidiaries.

Table 5: Historical Issuance of China Everbright Water Limited in the Panda Bond Market

No.	Issue date	Maturity	Tenor	Amount (RMB billion)	Coupon (%)	Spread (BP)	Usage of Proceeds	Bond Type	Issue Market
1	2022/1/13	2022/6/12	0.41	1	2.5	37.79	Used to supplement the working capital of domestic subsidiaries	SCP	Interbank Market

2	2021/8/10	2021/12/8	0.33	0.8	2.4	49.59	Used to supplement the working capital of domestic subsidiaries	SCP	Interbank Market
3	2021/1/15	2024/1/15	3	1	3.75	96.25	Used to supplement the working capital of domestic subsidiaries	MTN	Interbank Market
4	2020/8/5	2023/8/5	3	1	3.60	93.80	Used to supplement the working capital of domestic subsidiaries	MTN	Interbank Market
5	2019/1/21	2024/1/21	5	0.7	3.89	94.01	Used to supplement the working capital of subsidiaries	Corporate Bond	Exchange Market
6	2018/8/16	2023/8/16	5	0.4	4.58	123.35	Used for green industry projects that comply with the Green Bond Support Projects	Corporate Bond	Exchange Market
7	2018/8/16	2023/8/16	5	0.4	4.60	123.35	Used to repay debts and supplement the working capital of subsidiaries	Corporate Bond	Exchange Market
8	2017/7/24	2022/7/24	5	1	4.55	104.70	Used to repay debts and supplement the working capital of subsidiaries	Corporate Bond	Exchange Market

Sources: Bloomberg, CCX research

Copyright

Copyright © 2021 China Chengxin (Asia Pacific) Credit Ratings Company Limited, China Chengxin (Asia Pacific) Credit Ratings Company Limited and/or their affiliates (collectively, "CCX"). All rights reserved. All information contained herein is protected by law. None of such information may be copied or otherwise reproduced, repackaged, further transmitted, transferred, redaction, interception, resold or redistributed, or stored for subsequent use for any such purpose, by any person without CCX's prior written consent.

Important Information

All information contained herein is obtained by CCX from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "as is" without warranty of any kind. No warranty, express or implied, as to the accuracy, timeliness, completeness, merchantability or fitness for any commercial purpose of such information is given or made by CCX in any form or manner whatsoever.

To the extent permitted by law, CCX and its directors, officers, employees, agents and representatives disclaim liability to any person or entity (a) for any direct or compensatory losses or damages, including but not limited to by any negligence on the part of, or any contingency within or beyond the control of, CCX or any of its directors, officers, employees, agents or representatives, arising from or in connection with the information contained herein or the use of or inability to use any such information; or (b) for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if CCX or any of its directors, officers, employees, agents or representatives is advised in advance of the possibility of such losses or damages.

CCX's credit ratings, assessments and other opinions contained herein are current opinions and are not statements of current or historical fact and do not constitute or provide investment or financial advice, and do not provide recommendations to purchase, sell, or hold particular securities. CCX's credit rating assessments and other opinions are not intended for use by retail investors when making an investment decision. Any person as investor will, with due care, make its own study and evaluation of each security, issuer, guarantor, and credit supporter that is under consideration for purchase, holding, or selling.

**中诚信国际信用评级有限责任公司**

地址：北京市东城区朝阳门内大街
南竹竿胡同 2 号银河 SOHO6 号楼
邮编：100020
电话：(8610) 6642 8877
传真：(8610) 6642 6100
网址：<http://www.ccxi.com.cn>

China Chengxin International Credit Rating Co., Ltd
Address: Building 6, Galaxy SOHO,
No.2 Nanzhugan hutong, Chaoyangmennei Avenue,
Dongcheng district, Beijing, 100020
Tel: (8610) 6642 8877
Fax: (8610) 6642 6100
Website: <http://www.ccxi.com.cn>

**中国诚信(亚太)信用评级有限公司**

地址：香港中环康乐广场 1 号
怡和大厦 19 楼 1904-1909 室
电话：(852) 2860 7111
传真：(852) 2868 0656
网址：<http://www.ccxap.com>

China Chengxin (Asia Pacific) Credit Ratings Company Limited
Address: Suites 1904-1909, 19/F, Jardine House,
1 Connaught Place, Central, Hong Kong
Tel: (852) 2860 7111
Fax: (852) 2868 0656
Website: <http://www.ccxap.com>