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ALLIANZ RESEARCH

LIQUIDITY MATTERS: CORPORATES MAY NEED HALF A TRILLION OF ADDITIONAL WCR FINANCING IN 2021

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- 04 “Forced” stockpiling financed by the “invisible bank”
- and government support
- 06 One of the strongest increases of global WCR on record
- 09 State support to play the role of the “invisible bank” in 2021?



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- In 2020, Working Capital Requirements in the West increased (+5 days in North America and +1 day across Western Europe) while it dropped in regions such as Latin America (-3 days), Eastern Europe (-2 days) and APAC (-1 day). Inventory management and government support explain most of this divide. In the US and EU, severe lockdowns pushed companies into a "forced" stockpiling mode, which was fortunately tempered by the "invisible bank", i.e. the very accommodating management of payment terms between customers and suppliers, partly financed by liquidity support measures. 2020 saw a surge in WCR across industrial sectors: +13 days for metals to 95 days, +9 days to 117 days for machinery, +4 days to 84 days for paper and +3 days to 87 days for automotive.
- Looking ahead, we estimate that large companies will face a record increase of EU-R453bn in WCR¹ in 2021, equivalent to +4 days of turnover, up to EUR8.4trn. This comes in a context of the strong demand rebound triggered by the grand reopening, alongside severe shortages in inputs, labor and final goods. The surge in WCR already observed in most developed economies will ramp up in 2021, while WCR would remain well under control in a few emerging countries, notably in China (-6 days). In both the US and the Eurozone, we expect WCR to rise by +4 days.
- While all sectors will see a rise in WCR, consumer goods sectors could see the biggest jump. Last year was a year of divergence. We expect many global sector WCR levels to resynchronize on the upside in 2021, with retail (+9 days up to 52 days) and agrifood (+8 days up to 81 days) seeing the largest rises, followed by industrial sectors such as metals (+7 days up to 103 days), transport equipment (+5 days) and machinery (+4 days).
- Stocks matter: Along with the "just in case" model of inventory management, and the end of "just in time" for most sectors, rebuilding stocks in an environment of supply shortages will be the key driver of the increase in global WCR, notably across Western European countries. In 2020, Days Inventory Outstanding surged by +5 days in North America and by +1 day in Western countries, while the drop in inventories across Emerging Markets made up for the stockpiling in developed economies. In 2021, we expect pent-up demand and the massive restocking policies of Western companies in the midst of global supply-chain disruptions to weigh notably on their WCR levels. However, in 2022, reduced supply bottlenecks should mitigate the soaring inventory fallout on developed countries' WCR.
- State support matters, too: The additional WCR needs represent less than 20% of non-financial corporates' net cash positions in the Eurozone. However, total deposits of non-financial corporates cover at best 30% of total debt, with France the most vulnerable. Our estimations for the Eurozone show that NFCs' net cash positions (deposits – new loans up to EUR1mn) increased by EUR547bn in 2020, almost three times more compared to 2019. This compares to EUR102bn of expected additional WCR needed to be financed in 2021, i.e. 17% of 2020 net cash positions. Since the end of 2020, net cash positions have continued to increase in the Eurozone (EUR38bn as of May 2021), with Germany (+EUR18bn) and Italy (+EUR7bn) on top of the list, while in France net cash positions fell by -EUR9bn. However, if the grace periods on state-guaranteed loans are not extended beyond 2021, cash buffers will decrease as total deposits on non-financial corporates cover 30% of total debts at best, with only 23% in France, one of the lowest ratios.

¹ Based on the high number of worldwide listed companies' financial accounts available in the Bloomberg database along with their three sub-components (DSO, DPO and DIO) in 2020.

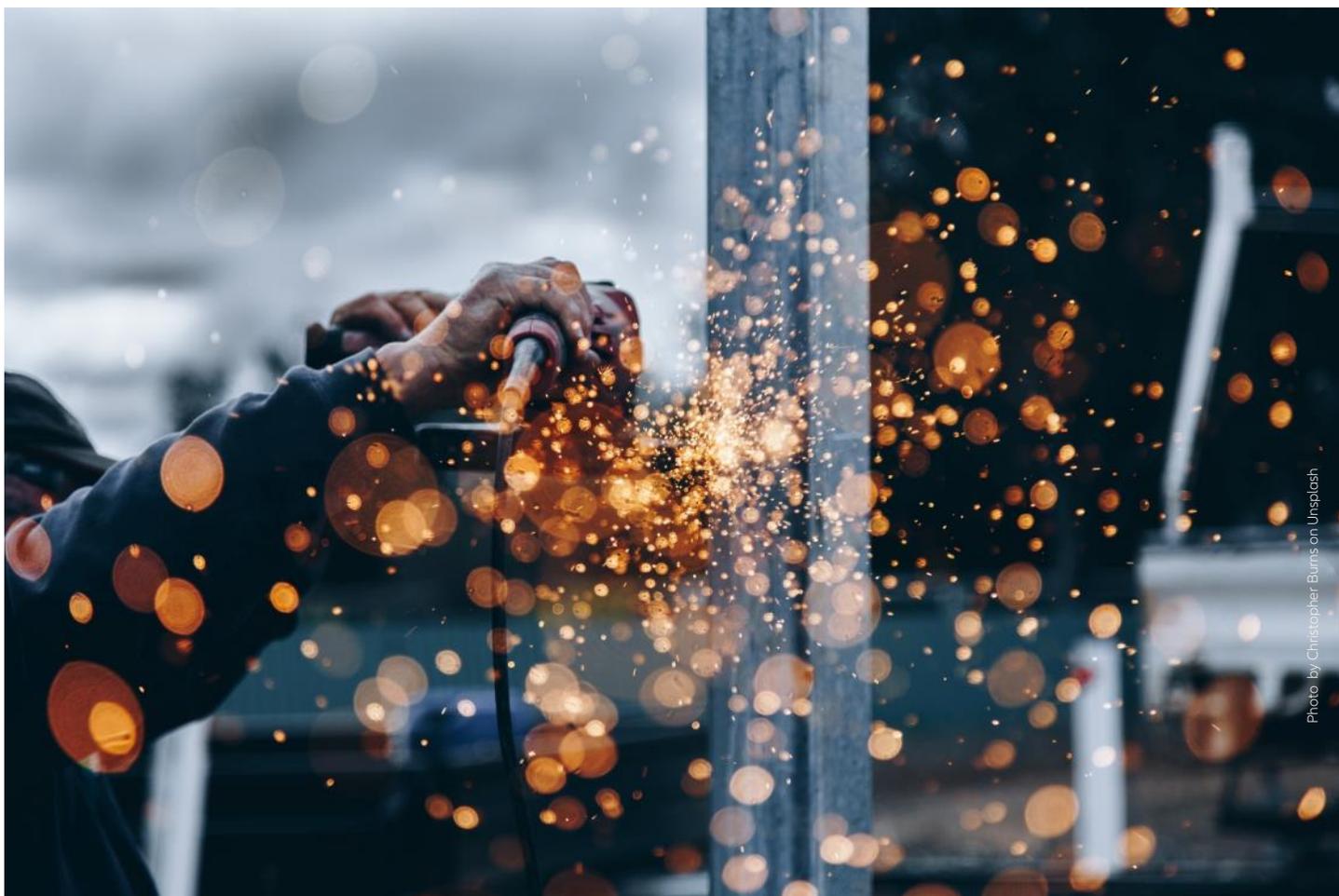


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EUR453bn

Expected additional financing needs for large companies in 2021.

“FORCED” STOCKPILING FINANCED BY THE “INVISIBLE BANK” – AND GOVERNMENT SUPPORT

A glance at the change in Working Capital Requirements (WCR) in 2020 for 36 countries reveals a divide between Advanced Economies and Emerging Markets for the very first time. The WCR level in the West increased (+5 days in North America and +1 day across Western Europe) while it dropped in regions such as Latin America (-3 days), Eastern Europe (-2 days) and APAC (-1 day). Inventory management explains most of this diverging trend (see Appendix).

In EMs, total inventory levels were minimally impacted as demand for goods picked up and has remained strong since the summer of 2020. In contrast, the more severe lockdowns in the US and EU pushed companies into a “forced” stockpiling mode. France, Denmark and Spain, for example, saw their inventory outstanding level surge by +5 days, +7 days and +10 days, respectively, last year. The very accommodating management of payment terms between customers and suppliers fortunately tempered these increases in inventories in some Eurozone countries. France, for example, succeeded in seeing its WCR drop by -2 days over the year, thanks to longer payment terms to suppliers (+6 days) in relation to shorter payments from customers (-1 day).

Massive stockpiling always weighs on WCR levels and cash balances accordingly. However, it is not always a bad thing: it can pay off if it arises from companies’ expectations about future

demand growth, to be sure of being able to cater to clients’ orders on time after the crisis period. Conversely, if stockpiling results from an inability to deplete current inventories fast enough, it usually brings on cash shortages for the company, which could end up going bust in the worst case. The different levels of change in WCR from one sector to the other also depend on where they are located in the global supply chain scale in regards to the final consumer. The more a sector is capital-intensive, the more it undergoes a significant WCR rise as any supply disruptions are more expensive when a plant has to temporarily stop production due to a lack of inputs.

2020 saw a surge in WCR across industrial sectors (see Figure 1): +13 days for metals to 95 days, +9 days to 117 days for machinery, +4 days to 84 days for paper and +3 days to 87 days for automotive. These sectors were forced into stockpiling during lockdowns instead of shutting down their plants because of how high closure costs usually are for capital-intensive activities. Overall, metals and machinery were the two losers in regards to last year’s changes in WCR: The Covid-19 crisis has highlighted how inflexible their manufacturing tools are in case of a sudden change in the economic cycle, especially from the inventory point of view. Conversely, the sectors most exposed to the boom of remote work saw their WCR level massively benefit from resilient demand and destocking. This includes

electronics ranging from semiconductors to computers (-13 days down to 94 days) as the sector saw skyrocketing demand in 2020. Household equipment saw a fall in WCR of -5 days (down to 92 days), thanks to better-than-expected sales during lockdowns while construction also registered a fall in WCR (-4 days down to 76 days) as the sector cashed in on the shutdowns of new building programs to sell off all inventories left.

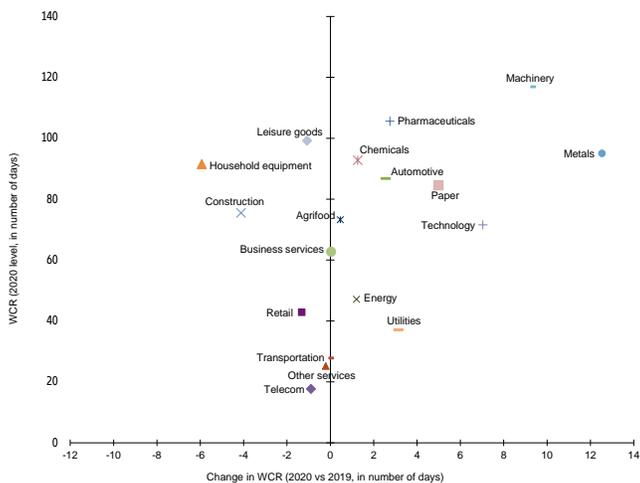
The two special cases are pharmaceuticals and automotive, which both saw their respective WCR rise by +3 days, pushing them up to a ten-year record high: 106 days of turnover for the former and 87 days of turnover for the latter. In spite of selling its medicines through drug stores, the pharmaceuticals sector unfortunately bears a very high level of WCR because drug makers usually deal with public hospitals and social security programs with very long payment terms. Conversely, pharmaceuticals has always generated a high level of cash flow so that it can easily support longer payment terms. The high WCR in the automotive sector has more to do with car dealers closely linked to carmakers by the fact that they share the same brand and usually support the funding of the largest part of car inventories.

WCR, just like Days Sales Outstanding (DSOs), tend to increase both in recession and recovery times. In Figure 2, we try to graph the effect that unprecedented liquidity support measures by governments have had – and continue to have – on compressing WCR variations. Initially designed to avoid hysteresis effects (bankruptcies and unemployment), and unlike the 2008-09 crisis, the Covid-19 crisis response has been very much focused on avoiding

liquidity gaps and preserving B2B flows and credit. Using IMF data on liquidity support measures (state-guaranteed loans, moratoria on debt, subsidies) and our own WCR calculations (2021 forecasts explained hereafter), we see the lifeline from governments to help suppliers (the invisible bank) continue to finance their clients. In Europe, for instance, the WCR change has been quite limited, alongside very generous liquidity bridges.

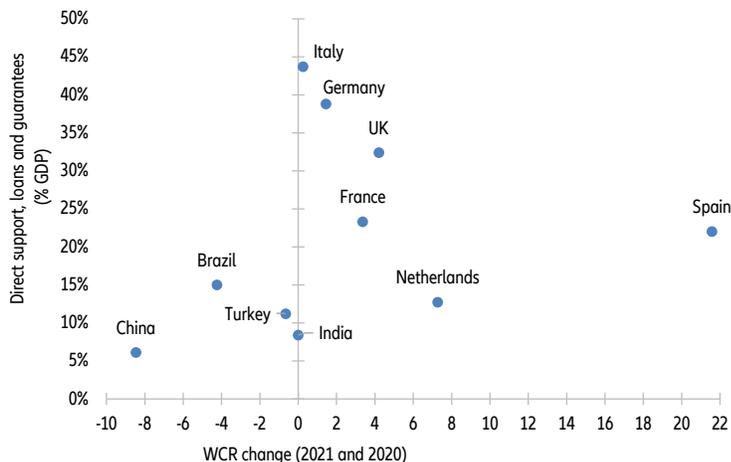
Also note that initial conditions (WCR levels, structure of the economy), as well as varying intensities of the crisis or recovery, certainly explain specific country developments (Spain and China for e.g.) In large Emerging Markets, we see that liquidity gaps may have been only partially bridged and that corporates will be faced with binding financing constraints as they return to pre-crisis activity.

Figure 1: Global sector WCR in 2020, in number of days (worldwide average)



Sources: Bloomberg, Euler Hermes, Allianz Research

Figure 2: Change in WCR in 2020-21, and size of liquidity support, by country



Sources: Bloomberg, IMF, Euler Hermes, Allianz Research



Photo by Bill Oxley

ONE OF THE STRONGEST INCREASES OF GLOBAL WCR ON RECORD

Figure 3 summarizes the results of our WCR forecasts in 2021 for a few Western countries². France clearly appears to be the weak link in our sample as the country whose cash needs are likely to be the highest in order to finance the additional WCR of EUR31bn. Germany and Spain follow, with EUR17bn of additional WCR each, albeit a difference in level (EUR383bn for Germany and

EUR109bn for Spain). The Netherlands' additional WCR of EUR15bn expected in 2021 has to be monitored because this country was previously known for keeping its WCR low. Positioned as a big European platform country for international trade, it is no doubt paying more attention to enough restocking to avoid any fallout of supply-chain disruptions on its WCR. With its additio-

nal WCR of EUR153bn expected for the ongoing year, the US accounts for a third of the global additional WCR of EUR453bn needed to be funded in 2021, for a total of more than EUR2600bn.

Figure 3: Breakdown and 2021 forecasts of WCR amounts (EUR bn)

EUR bn	World	US	Eurozone	France	Germany	Italy	Spain	Netherlands	others	Rest of world
2020 WCR	7 922	2 491	1 319	332	366	91	92	108	330	4 111
2021 WCR (f)	8 374	2 645	1 421	363	383	94	109	123	349	4 309
Expected change	453	153	102	31	17	3	17	15	19	198
2021 WCR (f) - share	100%	32%	17%	4%	5%	1%	1%	1%	4%	51%
Contribution to 2021 - change	100%	34%	22%	7%	4%	1%	4%	3%	4%	44%

Sources: Bloomberg, Euler Hermes, Allianz Research

² Our estimation of the global WCR in amount is based on the full set of listed companies – i.e. near 40,000 - worldwide in the Bloomberg database for the year 2020, regardless of country or sector. We have based our calculations of WCR 2020 and 2021 (in value) by applying a daily average revenue of listed companies for each country to its corresponding WCR denominated in number of days. The point to keep in mind about these estimations by country is that they are dependent on the number of listed companies and the level of their revenue on average (this is a caveat for Italy where the share of non-listed SMEs is very high).

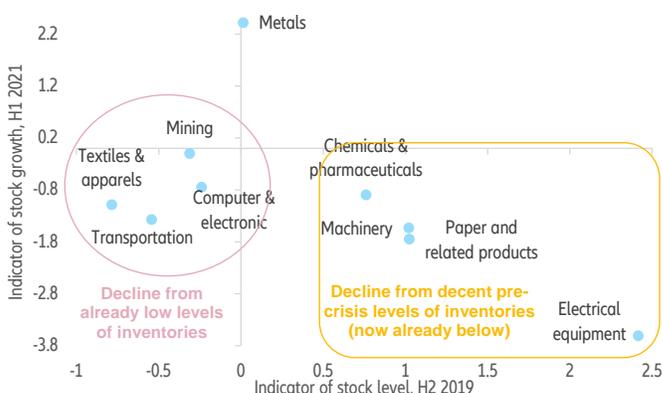
Our methodology for the WCR forecasts by country and by sector for 2021 is based on a few PMI indexes published once a month. They reflect a good view on business leaders' and companies' anticipations wherever in the world, which we consider sound enough approximations of the three balance sheet components entering into the calculation of the WCR. More precisely, we have calculated a proxy for "expected DSO" with z-scores in the change of "backlogs of work" indexes, an "expected DPO" proxy out of a z-score in the change of "suppliers' delivery times" and a proxy of ongoing DIO out of z-scores related to changes in "stocks of finished goods" and "stocks of purchases". The historical relation between those z-scores and observed variations in the three components of WCR allowed us to re-build an expected variation of the WCR by sector and country.

In 2021, nearly every country will see an increase in WCR levels, but the rise will be more significant across the northern hemisphere, given the dynamism of demand in the Eurozone and its massive restocking policies against very low levels of inventories (see Figure 4). Hence, we expect an increase of +4 days on average in WCR across Europe in 2021, ranging from +6 days in France and +7 days in Switzerland to +10 days in Austria and a more worrisome +15 days in the Netherlands. For the US, we expect a rise of +4 days in 2021.

Similarly, when looking at sectors, the rise of WCR is likely to affect all 18 that we monitor, in line with the return to growth prompted by the grand reopening and massive vaccination campaigns, which will improve demand prospects. Hence, we expect WCR to resynchronize on the upside in 2021 at a global level, with the largest increases seen in sectors linked to final consumer goods or closely related to them.

Yet, sectors considered as strongly industrial should also see their WCR rise in 2021, such as metals, pharmaceuticals, transport equipment and machinery due to surging commodity prices, which will raise their production costs.

Figure 4: Inventories by sector



Note: Indicator of stock level normalized over 2010-2019. The indicator of stock growth is a sequential difference of this indicator of stock level.

Sources: Bloomberg, Euler Hermes, Allianz Research

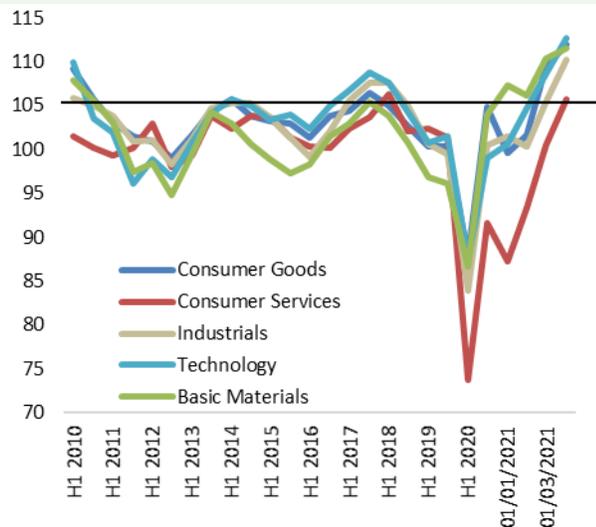
Figure 5: 2021 WCR forecasts by sector (number of days)

	2007-2019 avg	2007-2019 standard dev.	2019	2020	2021f	2020/19	2021/20
Electronics	105	2	107	94	95	-13	1
Retail	39	4	44	43	52	-1	9
Other services	27	1	25	29	33	4	3
Energy	46	4	46	47	49	1	2
Agri/food	69	4	73	73	81	0	8
Metals	88	6	83	95	103	13	7
Pharmaceuticals	100	4	103	106	111	3	5
Transportation	26	2	28	28	32	0	4
Automotive	80	3	84	87	92	3	5
Telecom	14	2	19	17	17	-1	0
Transport equipment	130	7	133	120	126	-12	5
Household goods	93	6	97	92	97	-6	6
Construction	81	2	80	76	77	-4	2
Chemicals	86	4	92	92	94	1	2
Business services	63	2	63	64	67	1	3
Technology	71	4	65	74	75	9	1
Machinery	107	3	108	117	121	9	4
Paper	76	4	80	84	86	5	2
Total	69	0	69	70	74	1	4

Sources: Bloomberg, Euler Hermes, Allianz Research



Photo by Bill Oxford on Unsplash

Figure 6: Global demand by sector (new orders + backlogs of work)

Sources: Markit, Euler Hermes, Allianz Research

Which sectors are the ones to watch? Agrifood (+8 days up to 81 days), retail (+9 days up to 52 days), transport (+ 4 days up to 32 days) and household equipment (+5 days to 97 days). We also expect large rises in WCR for metals (+7 days up to 103 days), pharmaceuticals (+5 days), transport equipment (+5 days) and machinery (+4 days). Last year, the transport equipment (aeronautics) sector benefited from the large destocking of Boeing's 737 Max planes since these were allowed to fly again from the last quarter of 2020.

The WCR levels for electronics (+1 day), energy O&G (+2 days) and telecom (+0 days) are expected to remain around their long-term historical levels. Their WCR are better suited to withstand any upward pressures despite the acceleration of the recovery around the world. Now more than ever they have become instrumental to the new industrial background taking shape through global digitalization, which puts them in a strong position to set payment terms for both customers and suppliers.

Our WCR forecasts highlight a ten-year high level in 2021 for some sectors, notably agrifood (at 81 days), retail (52 days), pharmaceuticals (111 days), automotive (92 days) and machinery (121 days). These record levels could put companies at risk if they are denied additional credit lines from banks when they need to finance their operating cycle on a rise.

Furthermore, agrifood and retail are two specific sectors strongly destabilized by the booming remote work and e-commerce models, respectively. Not only has e-commerce prevailed over brick-and-mortar retail throughout the world, but also it is faster than before the Covid-19 crisis. Yet, meeting customers' demands online usually requires e-commerce players to bear a higher level of stocks than retail outlets. It is all the more required now that consumption patterns have shifted towards durable goods, and government income support strengthened demand, while transportation services were limited. The conjunction of booming demand for consumer durables from Asia and

supply-side bottlenecks created by sanitary restrictions in ports and terminals have kept shipping costs elevated³ for several months and made it all the more important to keep high inventories in the West.

However, stockpiling can also result from an inability to deplete current inventories fast enough. As a result, it can usually bring on cash shortages that could even push a company to go bust in the worst case. If replenishing current inventories, particularly in the northern hemisphere, is fueling the rise in WCR globally, changes in payment terms granted to clients should add to this upswing over 2021. This is because a relaxation in payment terms is usually an easy way of getting back market shares that could have been definitively lost by the supply disruptions that occurred last year due to the pandemic.

³ See our recent report [Global trade: Ship me if you can!](#)

STATE SUPPORT TO PLAY THE ROLE OF THE “INVISIBLE BANK” IN 2021?

In the Eurozone, companies' available cash surpluses generated by massive state support policies (notably direct liquidity support and state-guaranteed loans) appear to be significantly higher than the looming additional amounts of WCR.

Our estimations for the Eurozone show that the net cash positions (deposits – new loans up to EUR1mn) of non-financial corporates increased by EUR547bn in 2020⁴, almost three times more compared to 2019. This compares to EUR102bn of expected additional WCR needed to be financed in 2021, i.e. 17% of the 2020 net cash positions. Since the end of 2020, net cash positions have continued to increase in the Eurozone (EUR38bn as of May 2021), with Germany (+EUR18bn) and

Italy (+EUR7bn), on top of the list, while in France net cash positions fell by –EUR9bn, which suggests non-financial corporates have started to use their deposits in addition to new loans for operating activities (see Figure 7). German companies benefit from half of the French amount of cash surpluses stemming from public support policies back in 2020 (EUR93bn against EUR197bn in France). The positive point is that the first five months of 2021 show a further rise in cash generation of EUR18bn, which will fully cover the additional WCR expected in 2021. This stems from either additional public support programs or German companies' profitability generating positive cash flows again since the beginning of the year alongside recovering export flows.

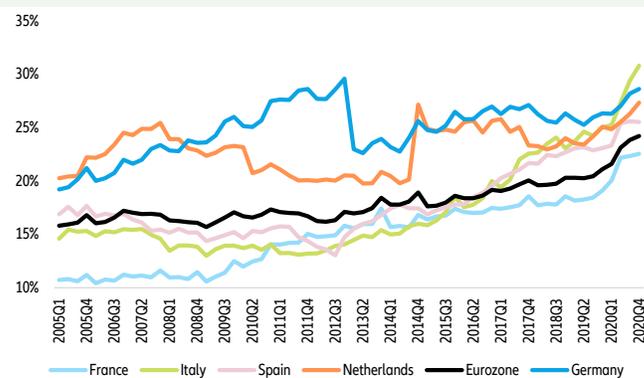
While reassuring, it is important to bear in mind that these excess net cash positions are also needed for the repayment of all other debts. Therefore, this cash cushion might evaporate much quicker than expected, notably if the grace periods on state-guaranteed loans are not prolonged beyond the end of 2021 and companies need to start reimbursing their debt⁵. Looking at the share of total coverage of the stock of loans & debt securities by total non-financial corporates' deposits, France and Belgium appear to be most vulnerable despite the high levels of available cash. Indeed, total deposits cover 23% of total stock of total debt against around 30% in Germany and Italy (see Figure 8).

Figure 7: Available cash positions in 2020 and additional amount of WCR to be funded in 2021

NFC deposits - NFC new loans (up to 1M EUR), EURbn	France	Germany	Italy	Spain	Netherlands	EZ
Jan 2020	670	592	280	239	297	2 521
Dec 2020	866	685	375	295	324	3 068
As of May 2021	858	703	382	296	331	3 106
Change in net cash position, Dec over Jan 2020 (1)	197	93	94	56	27	547
Change in net cash position, May 2021 over Dec 2020 (2)	-9	18	7	1	7	38
Expected increase in WCR, 2021 (3)	31	17	3	17	15	102
Share of expected increase of WCR in total net cash post Covid-19 = (3) / (1) +(2)	17%	15%	3%	30%	43%	17%

Sources: Bloomberg, Euler Hermes, Allianz Research

Figure 8: Share of coverage of total stock of loans & debt securities by total non-financial corporates' deposits



Sources: ECB, Eurostat, Euler Hermes, Allianz Research

⁴ See our recent report [European corporates: Cash-rich sectors get richer](#)

⁵ See our recent report [European corporates: It could take 5 years to offload Covid-19 debt](#)

APPENDIX

Figure 1: WCR level in 2020 and changes of its three subcomponents (DSO, DPO and DIO) vs. 2019

Year 2020 (Unit: Number of days)	WCR	Change WCR	Change DSO	Change DPO	DSO-DPO	Change DIO
WORLD AVERAGE	70	1	2	2	0	1
North America	61	5	2	1	1	4
U.S.	65	4	2	1	1	3
Canada	57	4	2	2	0	4
Latin America	69	-3	4	6	-2	-1
Brazil	74	0	7	6	1	-1
Chile	64	-6	0	5	-5	-1
Western Europe	63	1	-1	1	-2	3
Eurozone	62	0	0	3	-3	3
Germany	64	-2	-2	2	-4	2
France	64	-2	-1	6	-7	5
United Kingdom	60	2	0	0	0	2
Italy	67	-2	5	6	-1	-1
Spain	71	9	4	5	-1	10
Netherlands	52	7	-1	0	-1	8
Switzerland	73	11	4	1	3	7
Sweden	66	2	3	1	2	0
Norway	52	-5	3	6	-3	-2
Belgium	47	-5	-5	0	-5	0
Austria	62	4	-1	-1	0	4
Denmark	78	5	-3	0	-3	7
Finland	64	-7	-7	1	-8	1
Greece	86	8	1	-2	3	5
Portugal	42	-8	-2	1	-3	-4
Central & Eastern Europe	75	-2	1	1	0	-2
Russia	79	-7	-3	2	-5	-2
Turkey	71	3	6	6	0	3
Poland	60	-1	-1	-1	0	-1
Romania	74	-5	2	2	0	-6
Bulgaria	91	-2	2	2	0	-2
Africa & Middle East	78	-1	-1	1	-2	1
South Africa	58	1	1	2	-1	2
Morocco	60	-3	-6	-4	-2	-1
Saudi Arabia	115	-1	2	5	-3	1
Asia-Pacific	72	-1	1	3	-2	1
China	92	-2	4	3	1	-3
Japan	77	1	0	-2	2	-1
Australia	55	3	-2	-3	1	2
South Korea	77	2	-1	0	-1	3
Taiwan	93	3	4	5	-1	4
Singapore	64	3	4	3	1	2
Hong Kong	68	-6	2	4	-2	-4
New Zealand	51	-9	-7	2	-9	1
India	73	1	0	2	-2	3

Sources: Bloomberg, Euler Hermes, Allianz Research

Figure 2: Heatmap of DSO in 2020 by country and by sector (number of days)

2020	Retail	Food	Other services	Transportation	Telecom	Oil & gas	Personal & recreational goods	Household goods	Financials	Metals	Utilities	Paper	Business services	Chemicals	Technology	Auto	Pharma	Aero	Electronics	Construction	Machinery & eq	Country average
China	22	31	67	50	80	95	67	72	58	73	77	89	92	84	115	116	91	133	113	127	136	94
Italy	74	63	102	68	79	106	60	81	98	-	96	76	122	76	117	81	75	63	103	94	88	89
Greece	45	91	85	33	-	20	59	85	54	95	106	82	128	-	122	-	-	-	102	90	94	83
Turkey	19	69	70	60	74	33	68	96	62	82	51	98	106	75	105	92	100	160	97	105	84	82
Spain	13	61	82	-	57	84	55	-	-	51	83	60	118	-	83	36	69	76	-	120	79	80
Morocco	57	62	71	96	-	36	-	-	-	96	74	-	-	-	117	-	93	-	-	60	-	79
Saudi Arabia	31	52	52	66	89	45	163	87	85	70	72	111	104	80	158	-	-	-	-	73	153	77
Taiwan	24	41	21	33	40	61	61	59	44	67	52	78	65	77	81	86	68	107	80	65	95	75
Japan	23	51	33	49	78	52	57	68	42	87	46	90	63	96	67	65	92	114	77	110	104	70
France	39	49	81	56	64	97	39	57	109	50	73	58	80	74	82	53	65	77	75	75	82	69
Brazil	59	41	44	37	126	52	121	83	50	48	70	52	76	44	88	61	106	54	-	109	88	69
India	51	41	55	64	67	61	66	66	74	61	71	58	91	71	84	61	84	95	78	80	85	69
Portugal	-	-	54	-	78	-	-	-	-	-	71	46	55	-	90	-	-	-	-	110	-	68
Singapore	24	46	31	66	25	85	92	61	130	77	91	62	65	81	65	71	56	68	65	72	95	66
Romania	39	73	17	-	-	61	-	28	-	73	60	76	58	37	-	79	145	63	-	75	79	66
Hong Kong	30	40	42	48	45	73	58	61	70	53	72	67	67	85	73	84	100	139	70	70	91	64
Chile	74	65	53	64	-	-	64	50	52	65	60	67	58	75	-	-	-	-	-	65	-	62
Bulgaria	-	40	29	-	-	-	69	88	78	59	33	66	69	94	134	59	78	46	-	79	60	62
South Korea	28	41	50	36	77	65	45	49	66	68	64	61	44	57	57	69	76	63	58	58	70	59
Sweden	20	42	34	30	51	72	61	45	47	50	28	51	56	84	67	41	70	63	53	51	62	58
Belgium	-	51	48	56	47	-	41	42	-	34	-	-	116	42	88	-	77	-	44	55	61	57
Poland	19	45	53	40	53	36	51	57	66	49	44	53	73	44	76	30	62	59	54	66	78	57
Russia	8	40	40	20	-	40	-	104	50	49	53	51	-	26	-	41	104	68	93	72	82	55
Denmark	30	32	61	41	-	55	28	36	-	-	-	-	46	-	70	-	61	-	37	42	64	54
Norway	6	44	21	26	35	60	-	53	66	41	77	49	97	47	66	-	64	-	54	58	62	53
U.S.	16	37	44	32	44	52	44	43	53	54	57	42	56	57	62	58	65	54	60	58	61	53
Switzerland	22	41	43	53	-	-	49	47	-	57	46	56	61	66	53	-	62	-	47	46	60	53
Canada	17	41	64	45	46	59	33	53	49	48	43	37	57	53	57	59	69	46	48	55	67	53
Austria	-	59	-	73	-	55	38	-	-	36	84	-	-	-	44	-	-	58	-	67	63	52
United Kingdom	15	42	41	55	49	50	42	40	67	50	64	61	54	72	61	71	72	40	58	46	63	51
Germany	19	44	37	51	51	49	46	68	38	43	49	22	69	50	58	67	55	61	62	42	50	50
Australia	20	43	37	37	36	45	60	50	45	46	63	43	50	68	59	38	71	48	65	51	61	50
South Africa	20	49	34	32	33	51	27	56	44	39	-	54	58	57	69	-	96	-	66	36	51	47
Netherlands	25	44	56	-	-	30	-	49	59	22	-	-	44	51	49	-	42	-	57	44	55	45
Finland	13	35	29	27	-	-	40	56	36	26	47	41	47	-	59	63	50	56	52	29	52	44
New Zealand	11	38	25	36	29	31	27	-	27	74	32	-	33	-	51	-	55	-	-	-	56	37
Sector average	26	43	47	47	56	58	58	61	61	62	64	66	68	72	74	75	76	77	77	82	92	66

Sources: Bloomberg, Euler Hermes, Allianz Research

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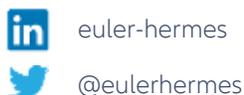
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