

Connections Series

Global Food Retail Barometer

Charting global feedback on e-grocery



24/08/20

Equity Research | Europe



Research Analysts

Victoria Petrova

49 69 75 38 2272

victoria.petrova@credit-suisse.com

Ella Hughes

44 20 7888 8741

ella.hughes@credit-suisse.com

Specialist Sales: Alex Molloy

44 20 7888 2209

alex.molloy@credit-suisse.com

Connections Series

The Credit Suisse Connections Series leverages our exceptional breadth of macro and micro research to deliver incisive cross-sector and cross-border thematic insights for our clients.

DISCLOSURE APPENDIX AT THE BACK OF THIS REPORT CONTAINS IMPORTANT DISCLOSURES, ANALYST CERTIFICATIONS, LEGAL ENTITY DISCLOSURE AND THE STATUS OF NON-US ANALYSTS. US Disclosure: Credit Suisse does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the Firm may have a conflict of interest that could affect the objectivity of this report. Investors should consider this report as only a single factor in making their investment decision.

每日免费获取报告

- 1、每日微信群内分享**7+**最新重磅报告；
- 2、每日分享当日**华尔街日报**、金融时报；
- 3、每周分享**经济学人**
- 4、行研报告均为公开版，权利归原作者所有，起点财经仅分发做内部学习。

扫一扫二维码

关注公众号

回复：**研究报告**

加入“起点财经”微信群。。



Charting global feedback on e-grocery

We publish this presentation to highlight our analysis and summarise global data points on consumer behaviour relevant for the food retail sector.

While each country has its own specific characteristics, we think the acceleration of e-grocery could have a similar impact on food retail markets across the globe.

We acknowledge the enormous uncertainties, with high volatility in demand, changing cost structure and potential impact from supply chain disruptions.

As such, this analysis is on a best efforts basis, and largely reflects our analysts' views and judgements as well as management feedback from companies across the globe.

This is the second edition of our Global Retail Barometer and we plan to continue to share feedback and analysis for each food retailer under coverage and provide updates as significant developments impact the sector globally.

*-Your Credit Suisse Global Food Retail coverage team
(Victoria Petrova, Onur Muminoglu, Rob Moskow, Victor Saragiotto, A-hyung Cho)*

Global food retail

Three trends that look set to continue beyond the pandemic

1. Structural shift into the concept of new convenience: more food to be bought online:

COVID-19 has massively accelerated e-grocery growth. While experts' opinions vary when it comes to sustainable penetration levels and immediate post-COVID growth, consensus forecasts indicate e-grocery is set to become a bigger channel for food consumption across countries, incomes and demographic segments.

Implications for incumbents: Ignoring the online channel would lead to market share losses. Most retailers have experienced massive growth in the online channel and are investing in online operations.

2. Price matters: higher transparency, lower loyalty. We believe that the shift to online allows higher transparency and puts additional pressure on pricing of goods and delivery.

Implications for incumbents: Retailers will have to work very hard to continue to own their sales channels. Cost-efficient cash rich retailers will benefit mid-term.

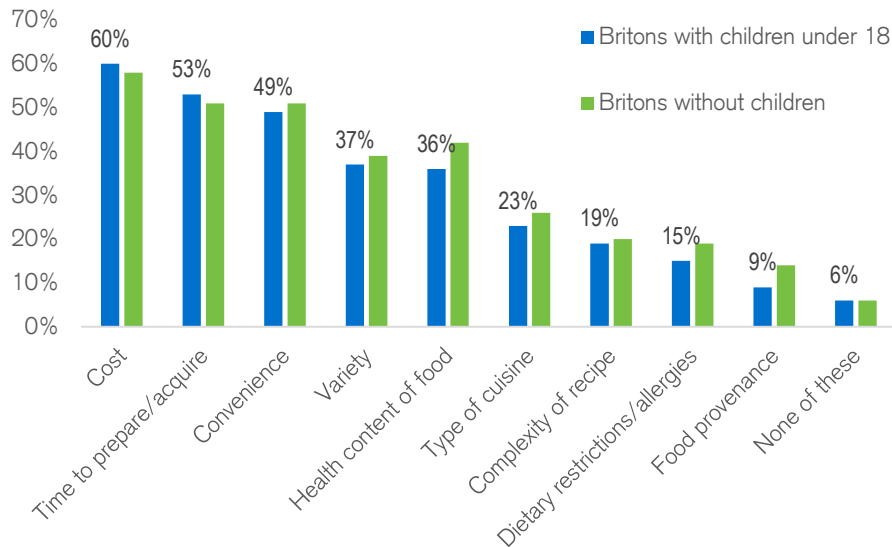
3. Profitability: Automation in fulfillment: Online grocery continues to be dilutive for retailers' margins. Testing various fulfillment options and partnerships, choosing between immediate flexibility, capacity and level of automation and innovation would be crucial for retailers' next-year performance.

Implications for retailers: Fulfillment market is in its infancy. We believe that manual pick is a temporary solution, which is supported by capacity constraints, while micro-fulfillment centers are likely to serve as the most widely used solution going forward.

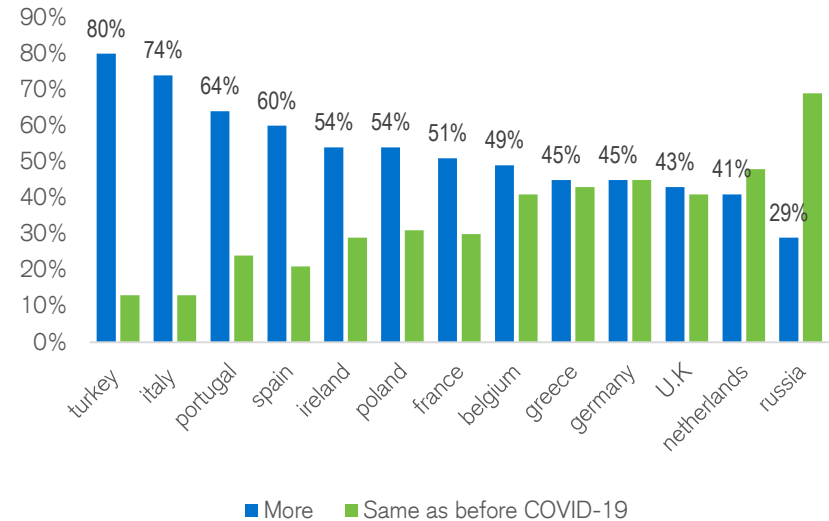
Online grocery habits are here to stay

COVID-19 has introduced new trends, including increased healthy eating and home cooking

Cost, convenience and time to acquire are the main concerns of grocery shoppers during COVID-19 (Source: YouGov Apr. 20)



Consumers globally are cooking more at home than before COVID-19 (Source: Nielsen April 2020)



Headline online grocery statistics and commentary

- 'The longer the COVID-19 environment extends, the more embedded new habits will become' – Nielsen
- More than half of US consumers (51%) who report cooking more during COVID-19 will continue to do so when the crisis ends – Hunter consumer survey
- Online grocery growth increased to 92% in July and although restrictions have eased, >1/5 households still made an online order in 4 weeks to 12th July' - Kantar
- Online grocery has attracted a new group of customers, particularly older demographics, some of whom will continue using online services now that they have enjoyed the convenience that home delivery provides - Kantar

Experts explain how to win in online grocery

Overnight transformation of e-grocery

Online food disruption

We have run several conference calls during the past few months covering [consumer behavior in online grocery](#), [e-commerce automation](#), and [micro-fulfilment for grocers](#). The key highlights from our conversations with industry experts are summarized below:

- **Full range and price matter:** Consumers want the full product selection of traditional stores and are highly price sensitive to service fees; consumers prefer click and collect methods (65% in the US) or expect faster delivery <1 hour. The differential, though, is not enough to justify the difference in cost between a <1 hour and 1-2 hour delivery time. Consumers are more health aware, so we might expect an increased (packaged) fresh food purchases through modern retail channels.
- **The key to preventing cannibalisation of in-store sales is data:** According to one expert we spoke with, data analytics tools and CRM (customer relationship management) are key to estimating cannibalisation and positively influencing consumer behavior. Tesco, which has the highest market share in the UK, is likely to see more sales cannibalised as customers shift to online. With its partnership with Amazon, Morrisons is penetrating a new market – the one of immediacy – which should minimize cannibalisation as it has little overlap with the current in-store Morrison offer.
- **The future of online is an asset light model:** The majority of the experts we spoke with agree on the need for CAPEX-light strategies of online development for supermarkets. Third-party and own store picking is a simple start for small grocers as it increases the efficiency of rather unproductive space. Higher demand requires a more automated option, while using third-party vendors for delivery could add immediate flexibility. This supports our relative preference for micro-fulfillment solutions vs. the large CFCs Ocado offers now.
- **MFCs offer faster delivery and have less immediate costs than CFCs:** According to experts we spoke with, CFCs might find achieving this fast delivery expensive as incremental distance costs are high and consumers won't collect from far away. Grocers should consider leveraging existing real estate with in-store Micro-fulfilment. One expert believes that repurposing of malls into fulfillment centers will be the new normal. Population density will play a part in the grocer's decision on fulfilment solution, with urban settings potentially being more suited to the CFC model.

Supermarkets struggle to profit from online grocery

Online shift requires significant resource investment

The impact of online grocery margins: The COVID-19 lockdown caused retailers to immediately ramp up their e-grocery capacity in order to meet demand. Alongside COVID costs, this rapid adoption has proven to be dilutive to profit margins, with Tesco and Sainsbury reporting flat profit margins despite extraordinary online sales growth (c.40-140%).

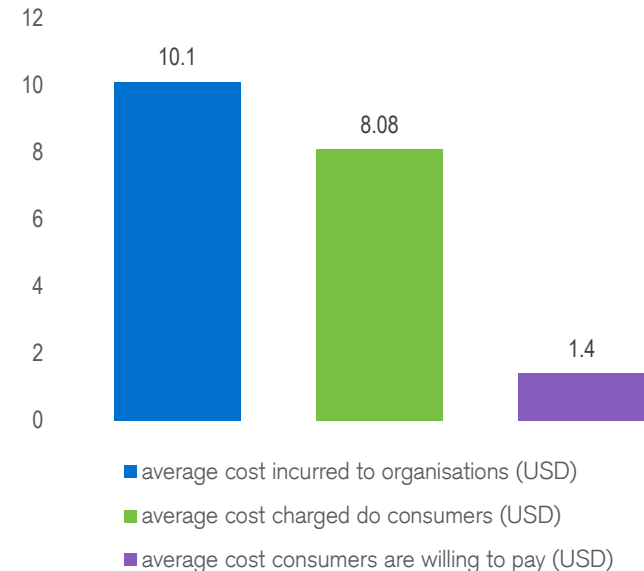
We highlight some of the most significant costs of online grocery below:

- **High costs of manual picking and delivery:** Experts argue that manual picking is inefficient as it causes overcrowding in stores. Despite many retailers offering free delivery to stay competitive, Fabric's COO estimates that manual picking costs c.€12-14 per order, while consultant Brittain Ladd believes it is cUS\$7-11 (source: CS Disruption Series Calls).
- **Significant capital and time outlay for automated fulfilment centres:** CFCs can entail significant set-up costs; however, grocers may be able to leverage existing real estate and run hybrid MFCs from stores
- **Marketing expenses:** to draw consumers online (promotional vouchers and low/free delivery fees).

What are grocers doing to tackle profitability?

- Click and collect/'curbside' delivery for lower delivery costs
- Automated fulfilment (robotic picking arms and automated fulfilment centres) increases efficiency and reduce picking costs, but requires a high upfront cost
- Larger transaction sizes (to reduce per van delivery costs)
- Increased focus on optimisation of 'the last-mile'; i.e. scaling up delivery without increasing Capex. This can be heavily dependent on population density.
- Rational pricing to accurately reflect the cost of delivery.

Retailers are absorbing a significant part of the cost of last-mile delivery



Source: Capgemini Research Institute, Last-mile delivery consumer survey, October-November 2018

Market Model: Offline to online shift

Online share of global food market c.9% in 2025e

The transformation of e-commerce:

We present our analysis of the global food market, which can be summarised in our market model, with the online food market growing from an estimated US\$402.6bn in 2019 to US\$1.2tr in 2025e. This means in 2019, the online penetration was at 4.4%, and by 2025e this should double to 8.8%.

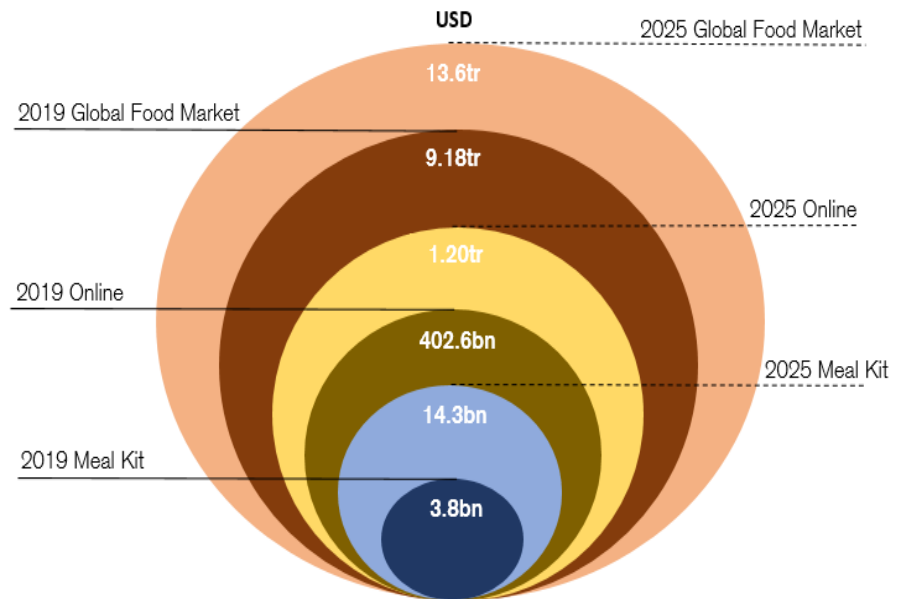
Traditional grocers to move business online:

We split the online food market into two components: online grocery and online food delivery. We use IGD research as a base for our forecasts, inflating the CAGR by c.8% to account for the effect of the COVID-19 lockdown. We therefore estimate the online grocery market to be worth c.US\$186bn in 2019, growing at a c.28% CAGR to c.US\$850bn in 2025e. Hence, the online grocery penetration of the global food market will grow from 2% in 2019 to c.6% in 2025e.

Meal kit businesses to benefit from online transformation:

We used Hexaresearch data to estimate that the meal-kit market was worth US\$3.8bn in 2019, c2% of the online food market. We expect the meal-kit market to remain broadly flat as a share of online, at 2% until 2023, decreasing to 1.7% in 2025. As a result, we expect a 3.7x increase in the meal kit market between 2019 and 2025.

Online grocery market estimated to grow to 1.2tr by 2025e



Source: Credit Suisse estimates, using HelloFresh Company data (HF revenue forecast and market model COVID-19 impact), Hexaresearch, IGD research,

Market model: Scenario analysis

Potential for online to reach c.11% penetration in 2025e with increased efficiency/technology and new post-lockdown consumer trends

Online Blue Sky:

The online grocery market (excluding food delivery) grows faster as a proportion of the global food market, from 3.3% to 8.0% in 2020-25 vs 2.9% to 6.2% in our base case. This means the online grocery market records a CAGR of 34.3% towards US\$1,089bn in 2019-25 online grocery market value.

Online Grey Sky:

The online grocery market records a 19.4% CAGR from US\$186.9bn in 2019 to US\$541.7bn in 2025 online grocery sales, similar to IGD forecasts for the top-10 online grocery markets globally. The online food delivery market records an 8.5% CAGR from US\$216.7bn to US\$353.7bn sales, in line with estimates from Euromonitor.

Estimated addressable market (USDm)	2017	2018	2019	2020	2021	2022	2023	2024	2025
Global food market	8,045,000	8,592,060	9,176,320	9,800,310	10,466,731	11,178,469	11,938,604	12,750,430	13,617,459
Total growth	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%
Global online food market		343,961	402,653	519,206	623,369	748,998	861,424	1,016,716	1,203,042
Online food delivery market		195,119	216,715	239,446	262,219	283,506	306,363	330,541	353,679
growth			11.1%	10.5%	9.5%	8.1%	8.1%	7.9%	7.0%
Online grocery market		148,842	185,938	279,760	361,149	465,492	555,061	686,176	849,363
growth			24.9%	50.5%	29.1%	28.9%	19.2%	23.6%	23.8%
Total online share of global food market	1.6%	4.0%	4.4%	5.3%	6.0%	6.7%	7.2%	8.0%	8.8%
Online grocery share of global food market		1.7%	2.0%	2.9%	3.5%	4.2%	4.6%	5.4%	6.2%
Meal kit market	2,494	3,145	3,823	5,668	7,108	9,282	10,847	12,458	14,308
growth		26%	22%	48%	25%	31%	17%	15%	15%
growth in mn	420	651	678	1,845	1,440	2,174	1,565	1,611	1,850
Meal kit share of online grocery market		2.1%	2.1%	2%	2%	2%	2%	2%	2%
Meal kit share of global food market	0.03%	0.04%	0.04%	0.06%	0.07%	0.08%	0.09%	0.10%	0.11%
Grey Sky Scenario (USDm)									
Global food market	8,045,000	8,592,060	9,176,320	9,800,310	10,466,731	11,178,469	11,938,604	12,750,430	13,617,459
Total growth	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%
Global online food market		343,019	403,660	495,561	531,141	609,977	699,433	795,936	895,399
Online food delivery market		195,119	216,715	239,446	262,219	283,506	306,363	330,541	353,679
growth		22.9%	11.1%	10.5%	9.5%	8.1%	8.1%	7.9%	7.0%
Online grocery market		147,900	186,946	256,115	268,921	326,470	393,070	465,395	541,720
growth			26.4%	37.0%	5.0%	21.4%	20.4%	18.4%	16.4%
Total online share of global food market	1.6%	4.0%	4.4%	5.1%	5.1%	5.5%	5.9%	6.2%	6.6%
Online grocery share of global food market		1.7%	2.0%	2.6%	2.6%	2.9%	3.3%	3.7%	4.0%
Blue Sky Scenario (USDm)									
Global food market	8,045,000	8,592,060	9,176,320	9,800,310	10,466,731	11,178,469	11,938,604	12,750,430	13,617,459
Total growth	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%	6.8%
Global online food market		343,961	402,653	562,856	733,222	875,965	1,022,679	1,223,071	1,443,075
Online food delivery market		195,119	216,715	239,446	262,219	283,506	306,363	330,541	353,679
growth			11.1%	10.5%	9.5%	8.1%	8.1%	7.9%	7.0%
Online grocery market		148,842	185,938	323,410	471,003	592,459	716,316	892,530	1,089,397
growth			24.9%	73.9%	45.6%	25.8%	20.9%	24.6%	22.1%
Total online share of global food market	1.6%	4.0%	4.4%	5.7%	7.0%	7.8%	8.6%	9.6%	10.6%
Online grocery share of global food market		1.7%	2.0%	3.3%	4.5%	5.3%	6.0%	7.0%	8.0%

Source: Company data (HF revenue forecast and market model COVID-19 impact), Hexaresearch, IGD research, Credit Suisse estimates

EUROPE

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During pandemic		Future expectation	
UK Online LFL Y/Y	1Q-20	8.5%	1Q-21	48.5%	FY21 Group	c66%
			May-21	89.6%		
Ireland Online LFL			1Q-21	51.4%		
			May-21	61.8%		
Market share (online grocery)			1Q-21	33.5%		
No of orders			1Q-21	12.6m		
click & collect (% of online)	1Q-20	10%	1Q-21	c25%		
% online sales (UK)		9%		16%		c16%
Online Capacity (orders/wk)		600,000		1,300,000	FY21	1.3-1.4m

Company Comments

- **Expectation/Guidance** – Online sales FY21 +66% y/y
- **Long-term view** – Management is confident of retaining the new customer base, and will continue to find opportunities to scale its online business.
- **Supply chain capacity** – Doubled the capacity from 0.6m slots to 1.3m slots in 5 weeks. Deployed additional 12,000 pickers, 4,000 drivers and 400 vans to accommodate increased demand during the pandemic. Plans to develop 25 urban fulfilment centers, UFCs to cope with future online demand.
- **Competitive advantage** – Flexibility of online model to allow low capex capacity expansion. Doubled online capacity in 5 weeks with just £4m of capex.
- **Upcoming catalyst** – HY result (7 Oct 20)

CS View

- **View on online expansion:** Online grocery almost doubled in a few months and reached 13% of grocery sales in June 2020 (Ocado data). We expect high retention and 10% online grocery share by the end of 2020.
- **The largest online grocer in the UK....:** Tesco demonstrated 48.5% online sales growth in 1Q20/21 and expects 20/21 FY sales to exceed £5.5bn, c2x more than Ocado retail (we expect £2.46bn in 2020e and £2.7bn in 2021e).
- **...is given little credit for online growth due to concerns over profitability:** Online growth is seen as a risk to Tesco's long-term profitability, while incremental sales, given Tesco's leading market share and close to 100% UK coverage, are limited.

Ocado Group

(Underperform, TP 1088p) - UK

Analyst: Victoria Petrova

victoria.petrova@credit-suisse.com

+49 69 7538 2272

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During pandemic		Future expectation	
Retail Revenue Y/Y	1Q-20	10.3%	2Q-20	40.4%	FY20	52.0%
Items delivered			4wks	50m		
Overall share (online grocery UK)				15.7%		
Capacity Utilisation						
Capacity growth				+40%	FY21	+50% more
o/w no of orders				-10%		
o/w basket size				+50%		
Mature CFCs (UPH)	1H19	159	1H20	170		
Dordon (UPH)		185		200		
CFC 4, orders per week		80000		110000		

Company Comments

- **Expectation/Guidance** – No company guidance for FY20, due to the uncertainties about length of crisis, and other macroeconomic factors .
- **Long-term view** – Expecting LT shift towards on-line grocery to accelerate post-crisis.
- **Supply chain capacity** – Has taken a number of tactical decisions to protect existing customer base and increase capacity. Also capacity utilization increased significantly in the CFCs. Expecting 50% capacity expansion in the next year from new facilities. There are 1.1m customers signed up and waiting to order as soon as Ocado has the capacity.
- **The Big4 online activity:** In fact, channel shift towards online from Big4 retailers will be beneficial for Ocado, as it is easier to acquire their online customers than the Brick & Mortar customers.
- **Upcoming catalyst** – 3Q trading (15 Sep 20)

CS View

- **View on online expansion:** Online grocery almost doubled in a few months and reached 13% of grocery sales in June 2020. We expect Ocado Retail to grow c52%, reaching £2.46bn in 2020e; however, the online businesses of Tesco and others could benefit from Ocado's current capacity constraints.
- **Addressing a huge market with a suboptimal product:** Ocado is seen as a clear beneficiary of increased need for automated fulfillment solutions and the current valuation implies above 200 large (c £350m annual revenue stream) fulfillment centres, while we believe the world is moving towards micro-fulfillment, a competitive solution market with strong players, which, unlike Ocado's MFC Zoom, already offer a solution to third parties.

WM Morrison Supermarkets

(Outperform, TP 221p) - UK

Analyst: Victoria Petrova

victoria.petrova@credit-suisse.com

+49 69 7538 2272

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During pandemic		Future expectation	
Online growth		c7%			LT	c7%
					Mid-term	>c7%
Online (% of group sales)				7-8%		
Online grocery market share				6.0%		
no of C&C stores	Mar	6	Mid-Jun	180		

Company Comments

- **Expectation/Guidance** – Strong cash profit from the online business.
- **Supply chain capacity** – More than doubled the number of weekly home delivery slots, well in excess of the 60% increase (initially planned). MRW stores on Prime now have been extended to 40 stores across the UK and covers 90% of London postcodes. A partnership with Deliveroo for 30 mins grocery delivery from 130 stores. Expected to further increase delivery slots. Opened telesales services for delivery to customers who don't use internet. "Morrisons at Amazon" is moving onto main amazon.co.uk web site in Leeds and will soon be available to millions of Prime members across country.
- **Upcoming catalyst** – Interim results (10 Sep 20)

CS View

- **E-grocery Expansion:** Online grocery almost doubled in few months and reached 13% of grocery sales in June 2020 in the UK (Ocado data).
- **Cannibalisation from Online business:** We believe that MRW is best positioned to benefit from incremental sales increase in online, given that it has no direct exposure to the convenience format and has additional market share improvement potential in a number of geographies.
- **Impact on profitability:** We believe Morrisons is best positioned among the Big4 with their CAPEX-light partnership (Ocado, Amazon, Deliveroo) and low level of expected cannibalisation given potential exposure to regions and target audience where Morrisons has low market share at the moment.

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During pandemic		Future expectation	
Online grocery growth	FY20	7.6%	1Q-21	87.0%		
	5y CAGR	7.0%	May-20	125.0%		
			Jun-20	135.0%		
Online grocery penetration		7.0%	1Q-21	17.0%		>7-8%
No of delivery slots (increase)				+50%		
% Click & collect mix		3.0%		23.0%		
Online Capacity (orders/wk)		370,000	Jun-20	>650,000		

Company Comments

- **Expectation/Guidance** – Strong cash profit from the online business.
- **Supply chain capacity** – SBRY has invested in delivery and click and collect capacity to help as many customers as we can to shop online. The average basket size has increased, as more people are spending time with their family at home.
- **View on automation:** Current focus will be on pick from store for online grocery model as it is the most profitable one. Instead of automation, will be working on efficient truck utilisation and pick efficiency in store.
- **Cannibalisation of existing business:** 50% of the new online grocery customers were new customers and the rest are existing customers of SBRY.
- **Upcoming catalyst** – Interim results (5 Nov 20)

CS View

- **View on online Expansion:** Online grocery almost doubled in a few months and reached 13% of grocery sales in June 2020 (Ocado data). We expect high retention and 10% online grocery share by the end of 2020.
- **Cannibalisation from Online business:** According to company, 50% of online customers are new to SBRY, which gives at least some indication of the expected level of cannibalisation.
- **Impact on profitability:** We believe e-grocery penetration suggests at-least mid-term risks to retailers' margins due to a combination of cannibalisation and lower profitability.

HelloFresh

(Outperform, TP €61) - Germany

Analyst: Victoria Petrova

victoria.petrova@credit-suisse.com

+49 69 7538 2272

Beyond the Pandemic highlights (Source: Company data, Credit Suisse ests)

		Pre-Pandemic		During pandemic	Future expectation	
Active customers	19-Dec	2.97	Mar-20	4.18	FY20e	4.51
Q/Q growth	Q/Q	19.8%	Q/Q	40.7%	y/y	51.8%
Revenue y/y (cFX)	4Q-19	39.1%	1Q-20	65.0%	FY20e	82.1%
			2Q-20	122.0%		
No of orders y/y	4Q-19	42%	1Q-20	65.4%	FY20e	73.7%
			2Q-20	102.8%		
Meals delivered (mn)	1Q-19	65.6	1Q-20	111.3		
	2Q-19	67.0	2Q-20	148.9		
FY20 guidance revision						
Revenue growth		22-27%	1H-20	75-95%		
EBITDA margin		4-5.5%	1H-20	9-11%		

Company Comments

- **Expectation/Guidance** – FY20 outlook - Revenue guidance (75-95%) and AEBITDA margin (9-11%)
- **Long-term view** – Given that there will be a lot of additional demand for the meal kits and home solutions, with the brand awareness of HelloFresh, it is very well positioned in long term.
- **Supply chain capacity** – Expanded the capacity through creating additional spaces around manufacturing centers and through ramping up the number of delivery and production days. FY20 capex for capacity expansion €70m.
- **Competitive advantage** – HF benefits from market leadership, technological advantage (in developing lasting customer relationships) and brand loyalty.
- **Upcoming catalyst** – Q320 result (3 Nov 20)

CS View

- **View on online Expansion:** We expect the meal kit market to maintain its position as 2% of the online grocery market, and HF to grow to 55% market share in 2023. We also expect overall penetration in the countries in which HF is present to be 2.5% by 2023.
- **Cannibalisation from Online business:** We see some risk of online grocers moving into the meal kit market now that they are strengthening their e-grocery businesses; however, this doesn't seem to be a priority for our coverage. We also see mid-term risk of cannibalisation from e-commerce majors e.g. Amazon and Alibaba.
- **Impact on profitability:** As HF is aiming to continue to grow rapidly, the current resource fulfillment, customer service and other services may be insufficient, leading to an increase in operating expenses. This could hinder HF's future margin growth.

Beyond the Pandemic company highlights (Source: Company data)

	Pre-Pandemic		During pandemic		Future expectation	
Online Y/Y growth	Q1-20	135.3%	Q2-20	314.3%		
Market share (online grocery)	2019	10.0%			2024	c.13%
No of orders	Q1-20	591 ths	Q2-20	885 ths		
% online sales (of X5 sales)	Q1-20	0.45%	Q2-20	0.73%	2024	c.3%
Online Capacity (orders/day)	Q1-20	10,000	Q2-20	15,000		

Company Comments

- **Long Term view** – Online food retail market in Russia is expected to increase at c. 70% CAGR during the next 5 years.
- **Supply chain capacity** – To support increased demand during pandemic, increased the number of couriers and pickers and transport fleet by 20%, launched a new dark store ahead of schedule in April, increasing capacity in Moscow by 40%.
- **Competitive advantage** – strong well-known brand in the food retail market, supplier terms and bargaining power that the company has as the largest food retailer in Russia

Overall landscape

- **Online food consumption landscape in urban Russia:** Several online players, including Yandex and Mail.ru, have highlighted interest in e-grocery (Yandex.Lavka, operated by Yandex delivers basic products within 1 hour) and takeaway businesses (Yandex.Eda (operated by Yandex) and Delivery Club (operated by mail.ru)).

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During the pandemic
Online LFL Y/Y	FY19	65-70%	Online orders 4x
% online sales	FY19 CSe	4-5%	

Company Comments

- **Expectation/Guidance** – Not quantified but above-physical growth expected
- **Long-term view** – Management keen on maintaining online growth as a strategic priority. Online service stores already doubled during pandemic.
- **Supply chain capacity** – Lower traffic growth in hypermarkets seen as opportunity to use them as mini distribution centers. Number of cities served upped to cover all cities in Turkey from 58 at YE19 with 408 stores used as distribution stores (vs 193 at YE19).
- **Competitive advantage** – Strong positioning as an innovator, icon for modern retailing in Turkey. Nationwide coverage of super/hypermarkets enabling MFCs. Strong assortment.
- **Upcoming catalyst** – 2Q results due mid-August.
- **Other comment** – Turkish consumers have a conservative stance in food trade apparent from still strong share of traditional retail (open bazaars and mom & pops) despite high growth of discounters.

CS View

- **View on online Expansion:** Migros has been a pioneer in online investments even prior to COVID. It has added 4,000 new staff during the pandemic, increased call-center personnel by 4x, increased darkstores from 2 to 10 and MFCs from 3 to 17.
- **Cannibalisation from Online business:** It has nationwide coverage catering to the AB income group, hence it is exposed to potential cannibalisation from the growing number of online competitors.
- **Impact on profitability:** 2Q will be the first quarter showing the cost impact of accelerated online investments. In 2018, we think the dilutive impact of online costs was minimal. With more diversified resources allocated in 2019, it could have made a small negative profit contribution, more such negatives are probable in 2020E.

Sok Marketler

(Outperform, TP TRY 15.3) - Turkey

Analyst: Onur Muminoglu

onur.muminoglu@credit-suisse.com

+90 212 349 0454

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During the pandemic	
Online LFL Y/Y	0	0.0%	na	na
Market share (online grocery)	0	0.0%	na	na
No of orders	0	0.0%	na	na
click & collect (% of online)	na	na	na	na
% online sales		<1%	0	0.0%

Company Comments

- **Expectation/Guidance** – Will allocate part of its new 2020 staff hiring into online, likely to remain in wait-and-see mode until the post-pandemic online demand settles down to more sustainable growth.
- **Long-term view** – Management is cost-sensitive, unlikely to follow an aggressive investment trajectory going forward.
- **Supply chain capacity** – It has 40% less store traffic than BIM; hence can use part of its residual store personnel for meeting online targets at the initial phase.
- **Competitive advantage** – Strong bargaining power in procurement, high brand awareness across Turkey. Strengthening balance sheet to invest.
- **Upcoming catalyst** – 2Q results due mid-August
- **Other comment** – Turkish consumers have a conservative stance in food trade apparent from still strong share of traditional retail (open bazaars and mom & pops) despite high growth of discounters.

CS View

- **View on online expansion:** Sok appears eager to invest in the long-term growth potential of online grocery; however management has a cautious approach on the associated costs. It has a click & collect through mobile app. It delivers only to a certain radius of store locations but is planning to enlarge the coverage with new delivery options (it will allocate a portion of its 5,000 new staff for 2020 into online supply chain).
- **Cannibalisation from Online business:** Sok follows a high assortment discount model in the nearby convenience small stores. Therefore its business proposition is more subject to online competition than BIM's highly PL-focused intrinsic business model.
- **Impact on profitability:** Management appears cautious on the near-term profit impact, aiming to avoid an overinvestment.

BIM

(Neutral, TP TRY 63.5) - Turkey

Analyst: Onur Muminoglu

onur.muminoglu@credit-suisse.com

+90 212 349 0454

Company Comments

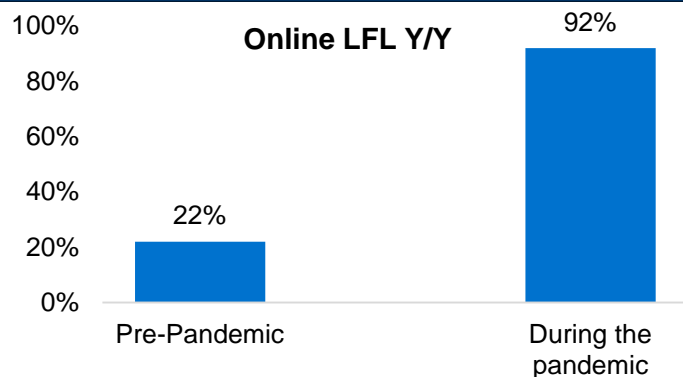
- **Expectation/Guidance** – No immediate plan to kick off online in the hard discount model. Only in the supermarket business (FILE)
- **Long-term view** – Management is highly cost sensitive, unlikely to facilitate online channel given small basket size (US\$4) hardly justifying supply chain costs.
- **Supply chain capacity** – BIM has a highly disciplined distribution network with self-owned warehouses and trucks. It has high proximity to consumers with 7,700 small-box stores - though highly utilised store capacity with tight inventory space to use them as distribution centers.
- **Competitive advantage** – Strong bargaining power, high brand awareness especially for its high-quality private label products. Price leader. Strong balance sheet enables it to take immediate action.
- **Other comment** – Turkish consumers have a conservative stance in food trade apparent from the still strong share of traditional retail (open bazaars and mom & pops) despite the rapid growth of discounters.

CS View

- **View on online Expansion:** Management does see an immediate need to go online in the hard-discount BIM stores given its already high proximity to consumers through physical stores. Its supermarket model (FILE) will be in the planning stage for online until YE20.
- **Cannibalisation from Online business:** It has a quite loyal shopper base looking for BIM's trusted private-labels at the most affordable prices. Unlikely to see major cannibalisation unless online providers go aggressive on pricing in the online proposal.
- **Impact on profitability:** No major costs in the near term. We expect a gradual kick-off in the FILE banner next year.

AMERICAS

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)



Upcoming catalyst – The first 2 Ocado CFCs will become functional next spring in Southwest Ohio and in Florida

Company Comments

- **Expectation/Guidance** – KR expects to exceed the outlook shared on the April 1 business update for identical sales without fuel, adjusted FIFO operating profit, adjusted EPS and adjusted free cash flow.
- **Long-term view** – KR believes its partnership with Ocado will be the key focus for the future of its e-commerce strategy; utilizing both larger CFCs that offer scale and wider benefits and smaller format and mini CFCs to reach more geographies and catering to a wide range of options for delivery/pickup/in-store fulfillment.
- **Supply chain capacity** – Supply chain has started to normalize, but there are still going to be some areas where it will be more difficult to promote, e.g. where there are still overhangs of supply issues in certain categories.
- **Competitive advantage** – Expanding asset-light, margin-rich alternative profit streams, partnerships with Ocado ("Ocado is valuable not just for its current capabilities but also in how quickly they innovate to serve a rapidly developing online consumer market. Ocado's model to deliver to customers is significantly less costly than our existing model.")

CS View

- **View on online Expansion:** KR remains a leader in U.S. online grocery along with Walmart in terms of the number of stores that offer delivery/pickup as well as its ownership of immense customer data. Along with its continued focus on alternative profit streams and partnership with OCDO, KR is well positioned within the online grocery landscape in the U.S.
- **Cannibalisation from Online business:** Pre-Covid, KR had pointed to 50% sales incrementally as customers moved online; the nature of that dynamic is more precarious today, but we assume that KR's position as an online grocery incumbent has positioned it well to benefit from increased online adoption.
- **Impact on profitability:** Whereas e-commerce fulfilment options likely hurt margins today, they are one of the most important tools to engage with customers and to collect valuable first-party data. The business is almost margin dilutive today, but Ocado CFCs come on board in 2021 and KR's online margin profile may improve if throughput is strong.
- Additionally, mgmt has said that "it typically takes 3 to 4 years for a customer to become as profitable once they become a digital shopper"

Ahold Delhaize (Not covered)

Benelux, USA

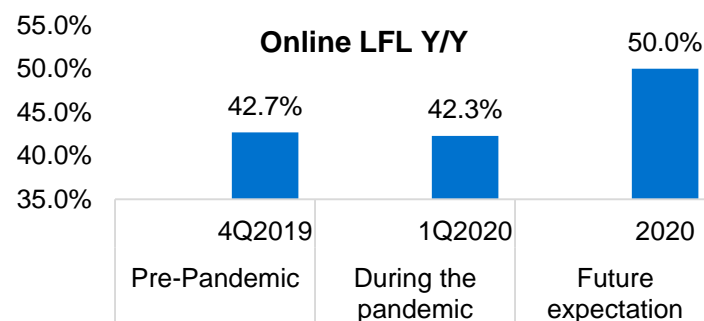
Feedback summarized by

Victoria Petrova

victoria.petrova@credit-suisse.com

+49 69 7538 2272

Company highlights (AD USA)



%click & collect beyond pandemic – 50%

Upcoming catalyst – The supply chain investment is a catalyst, management feels strongly that this initiative will improve quality of operations, sourcing, network design, packaging, and can help with private label manufacturing.

Company Comments

- **Expectation/Guidance** – 50% growth for FY 2020 (vs. +30% previously), 50%-50% mix of delivery/pickup by the end of 2021. Online sales could double as a percentage of the industry YoY, but profitability must be addressed via productivity improvement and, potentially, fee structures.
- AD has recently increased its pickup location target to over 1,000 locations in 2020 versus its initial target of roughly 1,000.
- **Long-term view** – AD believes that an agile network of MFCs is the right approach, but productivity needs to get better to achieve full automation; and that Click and collect will grow faster than delivery.
- **Supply chain capacity** – Investing \$480 million to transform and expand its internal capabilities in the U.S. As part of the initiative, ADUSA is acquiring 3 DCs from C&S Wholesale Grocers and building two fully automated frozen warehouses (in partnership with Americold).
- **Competitive advantage** – AD remains focused on working with micro-fulfillment partners, and believes that a fairly dense network of MFCs across its store base is the right online fulfillment strategy. They also have one of the oldest and largest regional grocery home delivery offerings in Peapod.

Context

- **View on online Expansion:** AD's strategic priority is accelerating online sales in the U.S. ADUSA is investing in incremental associates and supplemental infrastructure, such as storage units, picking devices and stepping up the pace on the number of click-and-collect locations it plans to open this year. AD has strong assets and online grocery platforms in place, supported by its Peapod business, and plans to utilize its know-how from its European business to further accelerate growth in the U.S.
- **Cannibalisation from Online business:** AD is an omnichannel company and believes that the combination of physical stores and online options should increase AD's share of wallet.
- **Impact on profitability:** Profitability must be addressed via productivity improvement and, potentially, fee structures; accelerating its mix of pickup (vs. delivery) should help.

Grupo Carrefour Brasil

(Neutral, TP BRL22.5) - Brazil

Analyst: Victor Saragiotto

victor.saragiotto@credit-suisse.com

+55 11 3701-6303

Beyond the Pandemic highlights (Company data, Credit Suisse estimates)

	Pre-Pandemic		During the pandemic	
Online LFL Y/Y			Apr-20	>100%
click & collect (% of online)	4Q19	c.40%	1Q20	c.15%
% online sales	4Q19	<0.5.%		
Max number of orders (1 day)			Mar-20	c.4,300

Company Comments

- **Online channel capacity** – Despite the strong acceleration in the e-commerce channel, the company states there is no operational bottleneck, mainly due to the operational groundwork of side stores the company has invested in the last 12 months, which also maintains a high service level.
- **Online delivery mode (% of online GMV as of 1Q20)** – Express delivery 47%; side store 36%; DC 15%; marketplace 2%

CS View

- **View on online Expansion:** Overall e-commerce penetration in Brazil is still incipient compared to developed countries (c.6% as of 2019-end) and food e-commerce has an even lower magnitude due to its higher operational complexity (e.g., dealing with fresh goods, expensive last mile solutions for low ticket orders, customer acceptance, etc). Hence, Brazilian companies are still some steps behind developed countries' groceries in terms of online capabilities. Nevertheless, we see both CRFB and PCAR ahead of competition as they have a large relevance nation-wide (market leaders in terms of sales and stores) and are already putting forth huge efforts to enhance online capabilities trying to anticipate an undeniable trend.
- **Cannibalisation from online business:** It is still too early to quantify cannibalisation from the online channel in food retailers in Brazil as the food e-commerce market is in very early stage (less than 1% penetration as of 2019-end) and, at the current stage, despite the sharp growth from a very easy comps, it is not meaningful enough to undermine physical sales.
- **Impact on profitability:** The company does not provide full visibility on profitability in the online channel. At the consolidated online channel (including both food and non-food) the company is still loss-making as it is still ramping up the channel. Worth mentioning that the high share of side store out of online food GMV (36%) is somewhat positive for this channel's profitability.

Grupo Pão de Açúcar

(Outperform, TP BRL112) - Brazil

Analyst: Victor Saragiotto
victor.saragiotto@credit-suisse.com
+55 11 3701-6303

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During the pandemic	
Online LFL Y/Y	4Q19	+40%	Apr-20	100-250%
Market share (online grocery)	4Q19	c.70%		
% online sales	4Q19	0.7%	1Q20	1.5%
Online margin			1Q20	>0%

Company Comments

- **View on online expansion:** Overall e-commerce penetration in Brazil is still incipient compared to developed countries (c.6% as of 2019-end) and food e-commerce has an even lower magnitude due to its higher operational complexity (e.g., dealing with fresh goods, expensive last mile solutions for low-ticket orders, customer acceptance, etc.). Hence, Brazilian companies are still some steps behind developed countries' groceries in terms of online capabilities. Nevertheless, we see both CRFB and PCAR ahead of competition once they have a large relevance nationwide (market leaders in terms of sales and stores) and are already putting forth huge efforts to enhance online capabilities trying to anticipate an undeniable trend.
- **Online channel capacity** – Despite the strong acceleration in the e-commerce channel, the company states there is no operational bottleneck, as they increased the staff (2k employees) while they keep rolling out omnichannel initiatives.

CS View

- **Cannibalisation from online business:** It is still early to assess cannibalisation from online channel in food retailers in Brazil as food e-commerce market is in very early stages (less than 1% penetration as of 2019-end) and, at the current stage, despite the sharp growth from a very easy comps, it is not meaningful enough to undermine physical sales.
- **Impact on profitability:** According to the company, as the largest portion of online sales is leveraged on existent assets (mainly physical stores), there is no significant additional costs related to e-commerce and, hence, the e-commerce contributes with a positive Ebitda.

Asia

E-Mart Co. Ltd

(Outperform, PT W153,000) – South Korea

Analyst: A-hyung Cho

A-hyung.cho@credit-suisse.com

+82 2 3707 3735

Beyond the Pandemic highlights (Source: Company data, Credit Suisse estimates)

	Pre-Pandemic		During pandemic		Future expectation	
Online Y/Y (SSG.COM)	FY19	22.7%	1Q20	40.5%	FY22E	30.0%
Market share (online retail)	FY19	2.6%	FY20E	3.4%	FY22E	5.5%
Market share (online grocery)	FY19	6.8%	FY20E	8.4%	FY22E	9.8%
% of grocery	FY19	40%	1Q20	50%		
Online grocery sales YoY	FY19	30%	1Q20	>50%		
% online sales of total E-Mart	FY19	13%	1Q20	15%	FY22E	22%
Online OPM	FY19	-3%	FY20E	-2%	FY22E	0%
Online Capacity (order/day)			2Q20	120,000		

Upcoming catalyst – 3Q20 result (Nov-20), announcement of investment/expansion of additional fulfilment centre.

Company Comments

- **Expectation/Guidance** – SSG.COM's GMV grew ~40% in 1H20. The company sees strong momentum continuing toward 2H20 although it may see some slowdown in terms of YoY growth on high base effect from 2H19.
- **Long-term view** – Online grocery business could be a game changer, as they should be able to replicate their strong brand equity as offline grocery retailer to the online channel. Their competitiveness lies in their expertise in grocery retailing as well as its fulfilment centers that should lead to operational efficiency. As the scale grows, loss from the online business could be reduced in the long-term.
- **Supply chain capacity** – SSG.COM currently has 120k order capacity per day, and will further increase its capacity in the future.
- **Competitive advantage** – Solid omni-channel strategy as E-Mart operates 140 hypermarket stores in Korea, which are used as PP (picking & packing) centre for its online business.

CS View

- **View on Korea online grocery market:** Online grocery penetration should continue to grow on: (1) increasing user base thanks to improved convenience; and (2) the F&B companies' focus on expanding distribution through the online channel.
- **View on SSG.COM:** We expect E-Mart's online market share to continue growing, led by the grocery and daily necessities categories, and that this will give opportunity to drive a quicker turnaround in the currently loss-making online business.
- **Impact on profitability:** We currently forecast reduced losses for SSG.com, on improving scale effect. Also, similar to other leading e-commerce companies, it could continue to control promotion/marketing costs in the current environment when end-demand remains strong.

Unless otherwise indicated, all prices are taken at the close of the trading session of the pricing date quoted.

Companies Mentioned *(Price as of 20-Aug-2020)*

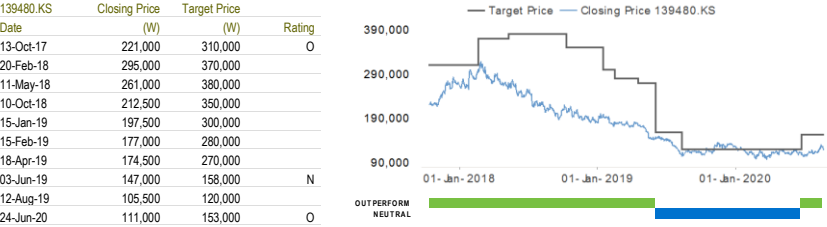
Ahold Delhaize (AD AS, €26.12)
Alibaba Group Holding Limited (BABA.N, \$257.97)
Alibaba Group Holding Limited (9988.HK, HK\$255.0)
Amazon.com Inc. (AMZN.OQ, \$3297.37)
BIM (BIMAS.IS, TL68.65)
E-MART Co. Ltd (139480.KS, ₩119,000)
Grupo Carrefour Brasil (CRFB3.SA, R\$19.86)
Grupo Pão de Açúcar (PCAR3.SA, R\$64.15)
HelloFresh (HFGG.DE, €43.88)
Mail.Ru (MAILRQ.L, \$28.55)
Migros (MGROS.IS, TL39.0)
Ocado Group (OCDO.L, 2418.0p)
Sainsbury (SBRY.L, 188.4p)
Sok Marketier (SOKM.IS, TL12.61)
Tesco (TSCO.L, 225.0p)
The Kroger Co. (KR.N, \$35.92)
WM Morrison Supermarkets (MRWL.L, 196.55p)
Walmart Inc. (WMT.N, \$130.57)
X5 Retail Group (PJPO.L, \$38.08)
Yandex (YNDX.OQ, \$63.63)

Disclosure Appendix

Analyst Certification

I, Victoria Petrova, certify that (1) the views expressed in this report accurately reflect my personal views about all of the subject companies and securities and (2) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this report.

3-Year Price and Rating History for E-MART Co. Ltd (139480.KS)



* Asterisk signifies initiation or assumption of coverage.

As of December 10, 2012 Analysts' stock rating are defined as follows:

Outperform (O) : The stock's total return is expected to outperform the relevant benchmark* over the next 12 months.

Neutral (N) : The stock's total return is expected to be in line with the relevant benchmark* over the next 12 months.

Underperform (U) : The stock's total return is expected to underperform the relevant benchmark* over the next 12 months.

*Relevant benchmark by region: As of 10th December 2012, Japanese ratings are based on a stock's total return relative to the analyst's coverage universe which consists of all companies covered by the analyst within the relevant sector, with Outperforms representing the most attractive, Neutrals the less attractive, and Underperforms the least attractive investment opportunities. As of 2nd October 2012, U.S. and Canadian as well as European (excluding Turkey) ratings are based on a stock's total return relative to the analyst's coverage universe which consists of all companies covered by the analyst within the relevant sector, with Outperforms representing the most attractive, Neutrals the less attractive, and Underperforms the least attractive investment opportunities. For Latin America, Turkey and Asia (excluding Japan and Australia), stock ratings are based on a stock's total return relative to the average total return of the relevant country or regional benchmark (India - S&P BSE Sensex Index); prior to 2nd October 2012 U.S. and Canadian ratings were based on (1) a stock's absolute total return potential to its current share price and (2) the relative attractiveness of a stock's total return potential within an analyst's coverage universe. For Australian and New Zealand stocks, the expected total return (ETR) calculation includes 12-month rolling dividend yield. An Outperform rating is assigned where an ETR is greater than or equal to 7.5%; Underperform where an ETR less than or equal to 5%. A Neutral may be assigned where the ETR is between -5% and 15%. The overlapping rating range allows analysts to assign a rating that puts ETR in the context of associated risks. Prior to 18 May 2015, ETR ranges for Outperform and Underperform ratings did not overlap with Neutral thresholds between 15% and 7.5%, which was in operation from 7 July 2011.

Restricted (R) : In certain circumstances, Credit Suisse policy and/or applicable law and regulations preclude certain types of communications, including an investment recommendation, during the course of Credit Suisse's engagement in an investment banking transaction and in certain other circumstances.

Not Rated (NR) : Credit Suisse Equity Research does not have an investment rating or view on the stock or any other securities related to the company at this time.

Not Covered (NC) : Credit Suisse Equity Research does not provide ongoing coverage of the company or offer an investment rating or investment view on the equity security of the company or related products.

Volatility Indicator [V] : A stock is defined as volatile if the stock price has moved up or down by 20% or more in a month in at least 8 of the past 24 months or the analyst expects significant volatility going forward.

Analysts' sector weightings are distinct from analysts' stock ratings and are based on the analyst's expectations for the fundamentals and/or valuation of the sector* relative to the group's historic fundamentals and/or valuation:

Overweight : The analyst's expectation for the sector's fundamentals and/or valuation is favorable over the next 12 months.

Market Weight : The analyst's expectation for the sector's fundamentals and/or valuation is neutral over the next 12 months.

Underweight : The analyst's expectation for the sector's fundamentals and/or valuation is cautious over the next 12 months.

*An analyst's coverage sector consists of all companies covered by the analyst within the relevant sector. An analyst may cover multiple sectors.

Credit Suisse's distribution of stock ratings (and banking clients) is:

Global Ratings Distribution

Rating	Versus universe (%)	Of which banking clients (%)
Outperform/Buy*	50%	(33% banking clients)
Neutral/Hold*	37%	(28% banking clients)
Underperform/Sell*	12%	(21% banking clients)
Restricted	1%	

*For purposes of the NYSE and FINRA ratings distribution disclosure requirements, our stock ratings of Outperform, Neutral, and Underperform most closely correspond to Buy, Hold, and Sell, respectively; however, the meanings are not the same, as our stock ratings are determined on a relative basis. (Please refer to definitions above.) An investor's decision to buy or sell a security should be based on investment objectives, current holdings, and other individual factors.

Important Global Disclosures

Credit Suisse's research reports are made available to clients through our proprietary research portal on CS PLUS. Credit Suisse research products may also be made available through third-party vendors or alternate electronic means as a convenience. Certain research products are only made available through CS PLUS. The services provided by Credit Suisse's analysts to clients may depend on a specific client's preferences regarding the frequency and manner of receiving communications, the client's risk profile and investment, the size and scope of the overall client relationship with the Firm, as well as legal and regulatory constraints. To access all of Credit Suisse's research that you are entitled to receive in the most timely manner, please contact your sales representative or go to <https://plus.credit-suisse.com>.

Credit Suisse's policy is to update research reports as it deems appropriate, based on developments with the subject company, the sector or the market that may have a material impact on the research views or opinions stated herein.

Credit Suisse's policy is only to publish investment research that is impartial, independent, clear, fair and not misleading. For more detail please refer to Credit Suisse's Policies for Managing Conflicts of Interest in connection with Investment Research: <https://www.credit-suisse.com/sites/disclaimers-ib/en/managing-conflicts.html>.

Any information relating to the tax status of financial instruments discussed herein is not intended to provide tax advice or to be used by anyone to provide tax advice. Investors are urged to seek tax advice based on their particular circumstances from an independent tax professional.

Credit Suisse has decided not to enter into business relationships with companies that Credit Suisse has determined to be involved in the development, manufacture, or acquisition of anti-personnel mines and cluster munitions. For Credit Suisse's position on the issue, please see <https://www.credit-suisse.com/media/assets/corporate/docs/about-us/responsibility/banking/policy-summaries-en.pdf>.

The analyst(s) responsible for preparing this research report received compensation that is based upon various factors including Credit Suisse's total revenues, a portion of which are generated by Credit Suisse's investment banking activities

see the Companies Mentioned section for full company names

Credit Suisse currently has, or had within the past 12 months, the following as investment banking client(s): BABA.N, AMZN.OQ, 9988.HK, WMT.N

Credit Suisse provided investment banking services to the subject company (BABA.N, AMZN.OQ, 9988.HK, WMT.N) within the past 12 months.

Within the last 12 months, Credit Suisse has received compensation for non-investment banking services or products from the following issuer(s): BABA.N, AMZN.OQ, SBRY.L, TSCOL, PCAR3.SA, 9988.HK, WMT.N

Credit Suisse has managed or co-managed a public offering of securities for the subject company (BABA.N, 9988.HK, WMT.N) within the past 12 months.

Within the past 12 months, Credit Suisse has received compensation for investment banking services from the following issuer(s): BABA.N, AMZN.OQ, 9988.HK, WMT.N

Credit Suisse expects to receive or intends to seek investment banking related compensation from the subject company (MGROS.IS, BABA.N, SOKM.IS, PCAR3.SA, KR.N, 9988.HK, WMT.N) within the next 3 months.

Credit Suisse currently has, or had within the past 12 months, the following issuer(s) as client(s), and the services provided were non-investment-banking, securities-related: BABA.N, SBRY.L, TSCOL, PCAR3.SA, 9988.HK

Credit Suisse currently has, or had within the past 12 months, the following issuer(s) as client(s), and the services provided were non-investment-banking, non securities-related: BABA.N, AMZN.OQ, TSCOL, 9988.HK, WMT.N

Credit Suisse acts as a market maker in the shares, depositary receipts, interests or units issued by, and/or any warrants or options on these shares, depositary receipts, interests or units of the following subject issuer(s): 9988.HK.

Credit Suisse or a member of the Credit Suisse Group is a market maker or liquidity provider in the securities of the following subject issuer(s): BABA.N, 9988.HK, AMZN.OQ, BIMAS.IS, 139480.KS, CRFB3.SA, PCAR3.SA, HFGG.DE, MGROS.IS, OCDO.L, SBRY.L, SOKM.IS, TSCOL, KR.N, MRWL.L, WMT.N

A member of the Credit Suisse Group is party to an agreement with, or may have provided services set out in sections A and B of Annex I of Directive 2014/65/EU of the European Parliament and Council ("MiFID Services") to, the subject issuer (BABA.N, AMZN.OQ, 9988.HK, WMT.N) within the past 12 months.

As of the date of this report, Credit Suisse beneficially own 1% or more of a class of common equity securities of (139480.KS).

Credit Suisse beneficially holds >0.5% long position of the total issued share capital of the subject company (9988.HK).

Credit Suisse beneficially holds >0.5% short position of the total issued share capital of the subject company (BIMAS.IS).

Credit Suisse is acting as Compliance Advisor to the Hong Kong listing of Alibaba (BABA.N)

For date and time of production, dissemination and history of recommendation for the subject company(ies) featured in this report, disseminated within the past 12 months, please refer to the link: <https://rave.credit-suisse.com/disclosures/view/report?i=545035&v=-68abc9cu4schm5esvu1839d1v>.

Important Regional Disclosures

Singapore recipients should contact Credit Suisse AG, Singapore Branch for any matters arising from this research report.

The analyst(s) involved in the preparation of this report may participate in events hosted by the subject company, including site visits. Credit Suisse does not accept or permit analysts to accept payment or reimbursement for travel expenses associated with these events.

For Credit Suisse Securities (Canada), Inc.'s policies and procedures regarding the dissemination of equity research, please visit <https://www.credit-suisse.com/sites/disclaimers-ib/en/canada-research-policy.html>.

Investors should note that income from such securities and other financial instruments, if any, may fluctuate and that price or value of such securities and instruments may rise or fall and, in some cases, investors may lose their entire principal investment.

As at the date of this report, Credit Suisse has financial interests that aggregate to an amount equal to or more than 1% of the market capitalization of (9988.HK).

Credit Suisse (Brazil) S.A. CTVM has been hired to act as market maker by the following subject issuer(s): PCAR3.SA.

This research report is authored by:

Credit Suisse Securities (Europe) Limited.....	Onur Muminoglu
Banco de Investments Credit Suisse (Brasil) SA or its affiliates.....	Victor Saragiotto
Credit Suisse (Deutschland) Aktiengesellschaft.....	Victoria Petrova
Credit Suisse Securities (Europe) Limited, Seoul Branch.....	A-Hyung Cho
Credit Suisse International.....	Ella Hughes
Credit Suisse Securities (USA) LLC.....	Robert Moskow

To the extent this is a report authored in whole or in part by a non-U.S. analyst and is made available in the U.S., the following are important disclosures regarding any non-U.S. analyst contributors: The non-U.S. research analysts listed below (if any) are not registered/qualified as research analysts with FINRA. The non-U.S. research analysts listed below may not be associated persons of CSSU and therefore may not be subject to the FINRA 2241 and NYSE Rule 472 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

Credit Suisse Securities (Europe) Limited.....	Onur Muminoglu
Banco de Investments Credit Suisse (Brasil) SA or its affiliates.....	Victor Saragiotto
Credit Suisse (Deutschland) Aktiengesellschaft.....	Victoria Petrova
Credit Suisse Securities (Europe) Limited, Seoul Branch.....	A-Hyung Cho
Credit Suisse International.....	Ella Hughes

Important disclosures regarding companies that are the subject of this report are available by calling +1 (877) 291-2683. The same important disclosures, with the exception of valuation methodology and risk discussions, are also available on Credit Suisse's disclosure website at <https://rave.credit-suisse.com/disclosures>. For valuation methodology and risks associated with any recommendation, price target, or rating referenced in this report, please refer to the disclosures section of the most recent report regarding the subject company.

This report is produced by subsidiaries and affiliates of Credit Suisse operating under its Global Markets Division. For more information on our structure, please use the following link: <https://www.credit-suisse.com/who-we-are>. This report may contain material that is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any local, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject Credit Suisse or its affiliates ("CS") to any registration or licensing requirement in such jurisdiction. All material presented in this report, unless specifically indicated otherwise, is under copyright by CS. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted, copied or distributed to any other party, without the prior express written permission of CS. All trademarks, service marks and logos used in this report are trademarks or service marks or registered trademarks or service marks of CS or its affiliates. The information, facts and material presented in this report are provided to you for information purposes only and are not to be used or considered as an offer of the solicitation of an offer to sell or to buy or subscribe for securities or other financial instruments. CS may not have taken any steps to ensure that the securities referred to in this report are suitable for any particular investor. CS will not treat recipients of this report as its customers by virtue of their receiving this report. The investments and services contained or referred to in this report may not be suitable for you and it is recommended that you consult an independent investment advisor if you are in doubt about such investments or investment services. Nothing in this report constitutes investment legal, accounting or tax advice, or a representation that any investment or strategy is suitable or appropriate to your individual circumstances, or otherwise constitutes a personal recommendation to you. Please note in particular that the bases and levels of taxation may change, information and opinions presented in this report have been obtained or derived from sources believed by CS to be reliable, but CS makes no representation as to their accuracy or completeness. CS accepts no liability for loss arising from the use of the material presented in this report, except that this exclusion of liability does not apply to the extent that such liability arises under specific statutes or regulations applicable to CS. This report is not to be relied upon in substitution for the exercise of independent judgment. CS may have issued, and may in the future issue, other communications that are inconsistent with, and reach different conclusions from, the information presented in this report. Those communications reflect the different assumptions, views and analytical methods of the analysts who prepared them and CS is under no obligation to ensure that such other communications are brought to the attention of any recipient of this report. Some investments referred to in this report will be offered solely by a single entity and in the case of some investments solely by CS, or an associate of CS or CS may be the only market maker in such investments. Past performance should not be taken as an indication or guarantee of future performance, and no representation or warranty, express or implied, is made regarding future performance. Information, opinions and estimates contained in this report reflect a judgment at its original date of publication by CS and are subject to change without notice. The price, value of and income from any of the securities or financial instruments mentioned in this report can fall as well as rise. The value of securities and financial instruments is subject to exchange rate fluctuation that may have a positive or adverse effect on the price or income of such securities or financial instruments. Investors in securities such as ADRs, the values of which are influenced by currency volatility, effectively assume this risk. Structured securities are complex instruments, typically involve a high degree of risk and are intended for sale only to sophisticated investors who are capable of understanding and assuming the risks involved. The market value of any structured security may be affected by changes in economic, financial and political factors (including, but not limited to, spot and forward interest and exchange rates), time to maturity, market conditions and volatility, and the credit quality of any issuer or reference issuer. Any investor interested in purchasing a structured product should conduct their own investigation and analysis of the product and consult with their own professional advisors as to the risks involved in making such a purchase. Some investments discussed in this report may have a high level of volatility. High volatility investments may experience sudden and large falls in their value causing losses when that investment is realized. Those losses may equal your principal investment. Indeed, in the case of some investments the potential losses may exceed the amount of initial investment and, in such circumstances, you may be required to pay more money to support those losses. Income yields from investments may fluctuate and, in consequence, initial capital paid to make the investment may be used as part of that income yield. Some investments may not be readily realisable and it may be difficult to sell or realise those investments; similarly it may prove difficult for you to obtain reliable information about the value, or risks, to which such an investment is exposed. This report may provide the addresses of, or contain hyperlinks to, websites. Except to the extent to which the report refers to website material of CS, CS has not viewed any such site and takes no responsibility for the content contained therein. Such address or hyperlink (including addresses or hyperlinks to CS's own website material) is provided solely for your convenience and information and the content of any such website does not in any way form part of this document. Accessing such website or following such link through this report or CS's website shall be at your own risk.

This report is issued and distributed in **European Union (except Germany and Spain)**: by Credit Suisse Securities (Europe) Limited, One Cabot Square, London E14 4QJ, England, which is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority; **Spain**: by Credit Suisse Securities, Sociedad de Valores, S.A. ("CSSSV") regulated by the Comisión Nacional del Mercado de Valores; **Germany**: Credit Suisse (Deutschland) Aktiengesellschaft regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht ("BaFin"); **United States**: Credit Suisse Securities (USA) LLC, **Canada**: Credit Suisse Securities (Canada), Inc., **Switzerland**: Credit Suisse AG, **Brazil**: Banco de Investimentos Credit Suisse (Brasil) S.A. or its affiliates; **Mexico**: Banco Credit Suisse (México), S.A., Institución de Banca Múltiple, Grupo Financiero Credit Suisse (México), S.A. de C.V., Grupo Financiero Credit Suisse (México) ("Credit Suisse México"); **Credit Suisse México**: This report has been prepared for information purposes only and is exclusively distributed in Mexico to institutional investors, Credit Suisse México is not responsible for any onward distribution of this report to non-institutional investors by any third party. The authors of this report have not received payment or compensation from any entity or company other than from the relevant Credit Suisse Group company employing them; **Japan**: by Credit Suisse Securities (Japan) Limited, Financial Instruments Firm, Director-General of Kanto Local Finance Bureau (Krisht) No. 66, a member of Japan Securities Dealers Association, The Financial Futures Association of Japan, Japan Investment Advisors Association, Type II Financial Instruments Firms Association; **Hong Kong**: Credit Suisse (Hong Kong) Limited; **Australia**: Credit Suisse Equities (Australia) Limited, regulated by the Office of the Securities and Exchange Commission, Thailand: having registered address at 890 Abdulrahim Place, 27th Floor, Unit 2701, Rama IV Road, Siam, Bangkok, Bangkok 10500, **Thailand**, Tel +66 2614 6000; **Malaysia**: Credit Suisse Securities (Malaysia) Sdn Bhd; **Singapore**: Credit Suisse AG, Singapore Branch, **India**: Credit Suisse Securities (India) Private Limited (CN no.67/2004/1596PT/104362) regulated by the Securities and Exchange Board of India as Research Analyst (registration no. NH 000010103) and as Stock Broker (registration no. IN2000248233), having registered address at 9th Floor, Coedge House, D.A.B. Road, Worli, Mumbai - 18, India, T+91-22-6777 3777; **South Korea**: Credit Suisse Securities (Europe) Limited, Seoul Branch; **Taiwan**: Credit Suisse AG Taipei Securities Branch; **Indonesia**: PT Credit Suisse Sekuritas Indonesia; **Philippines**: Credit Suisse Securities (Philippines) Inc., and elsewhere in the world by the relevant authorised affiliate of the above.

Additional Regional Disclaimers
Australia: Credit Suisse Securities (Europe) Limited ("CSSEL") and Credit Suisse International ("CSI") are authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority ("FCA") and the Prudential Regulation Authority under UK laws, which differ from Australian laws. CSSEL and CSI do not hold an Australian Financial Services Licence ("AFSL") and are exempt from the requirement to hold an AFSL under the Corporations Act (Ch) 2001 ("Corporations Act") in respect of the financial services provided to Australian wholesale clients (within the meaning of section 761G of the Corporations Act) (hereinafter referred to as "Financial Services"). This material is not for distribution to retail clients and is directed exclusively at Credit Suisse's professional clients and eligible counterparties as defined by the FCA, and wholesale clients as defined under section 761G of the Corporations Act. Credit Suisse (Hong Kong) Limited ("CSHK") is licensed and regulated by the Securities and Futures Commission of Hong Kong under the laws of Hong Kong, which differ from Australian laws. CSHK does not hold an AFSL and is exempt from the requirement to hold an AFSL under the Corporations Act in respect of providing Financial Services. Investment banking services in the United States are provided by Credit Suisse Securities (USA) LLC, an affiliate of Credit Suisse Group. CSSU is regulated by the United States Securities and Exchange Commission under United States laws, which differ from Australian laws. CSSU does not hold an AFSL and is exempt from the requirement to hold an AFSL under the Corporations Act in respect of providing Financial Services. Credit Suisse Asset Management LLC ("CSAM") is authorised by the Securities and Exchange Commission under US laws, which differ from Australian laws. CSAM does not hold an AFSL and is exempt from the requirement to hold an AFSL under the Corporations Act in respect of providing Financial Services. This material is provided solely to Institutional Accounts (as defined in the FINRA rules) who are Eligible Contract Participants (as defined in the US Commodity Exchange Act); Credit Suisse Equities (Australia) Limited (ABN 35 068 232 708) ("CSEAL") is an AFSL holder in Australia (AFSL 237237).
Malaysia: Research provided to residents of Malaysia is authorised by the Head of Research for Credit Suisse Securities (Malaysia) Sdn Bhd, to whom they should direct any queries on +603-2723 2020.
Singapore: This report has been prepared and issued for distribution in Singapore to institutional investors, accredited investors and expert investors (each as defined under the Financial Advisers Regulations) only, and is also distributed by Credit Suisse AG, Singapore Branch to overseas investors (as defined under the Financial Advisers Regulations). Credit Suisse AG, Singapore Branch may distribute reports produced by its foreign entities or affiliates pursuant to an arrangement under Regulation 32C of the Financial Advisers Regulations. Singapore recipients should contact Credit Suisse AG, Singapore Branch at +65-6212-2000 for matters arising from, or in connection with, this report. By virtue of your status as an institutional investor, accredited investor, expert investor or overseas investor, Credit Suisse AG, Singapore Branch is exempted from complying with certain compliance requirements under the Financial Advisers Act, Chapter 110 of Singapore (the "FAA"), the Financial Advisers Regulations and the relevant Notices and Guidelines issued hereunder. In respect of any financial advisory service which Credit Suisse AG, Singapore Branch may provide to you.
EU: This report has been produced by subsidiaries and affiliates of Credit Suisse operating under its Global Markets Division. In jurisdictions where CS is not already registered or licensed to trade in securities, transactions will only be effected in accordance with applicable securities legislation, which will vary from jurisdiction to jurisdiction and may require that the trade be made in accordance with applicable exemptions from registration or licensing requirements.
This material is issued and distributed in the U.S. by CSSU, a member of NYSE, FINRA, SIPC and the NFA, and CSSU accepts responsibility for its contents. Clients should contact analysts and execute transactions through a Credit Suisse subsidiary or affiliate in their home jurisdiction unless governing law permits otherwise.
CS may provide various services to US municipal entities or obligated persons ("municipalities"), including suggesting individual transactions or trades and entering into such transactions. Any services CS provides to municipalities are not viewed as "advice" within the meaning of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. CS is providing any such services and related information solely on an arm's length basis and not as an advisor or fiduciary to the municipality. In connection with the provision of the any such services, there is no agreement, direct or indirect, between any municipality (including the officials, management, employees or agents thereof) and CS for CS to provide advice to the municipality. Municipalities should consult with their financial, accounting and legal advisors regarding any such services provided by CS. In addition, CS is not acting for direct or indirect compensation to solicit the municipality on behalf of an unaffiliated broker, dealer, municipal securities dealer, municipal advisor, or investment advisor for the purpose of obtaining or retaining an engagement by the municipality for or in connection with Municipal Financial Products, the issuance of municipal securities, or of an investment advisor to provide investment advisory services to or on behalf of the municipality. If this report is being distributed by a financial institution other than Credit Suisse AG, or its affiliate, that financial institution is solely responsible for distribution. Clients of that institution should contact that institution to effect a transaction in the securities mentioned in this report or require further information. This report does not constitute investment advice by Credit Suisse to the clients of the distributing financial institution, and neither Credit Suisse AG, its affiliates, and their respective officers, directors and employees accept any liability whatsoever for any direct or consequential loss arising from their use of this report or its content. No information or communication provided herein or otherwise is intended to be, or should be construed as, a recommendation within the meaning of the US Department of Labor's final regulation defining "investment advice" for purposes of the Employee Retirement Income Security Act of 1974, as amended and Section 4075 of the Internal Revenue Code of 1986, as amended, and the information provided herein is intended to be general information, and should not be construed as, providing investment advice (impartial or otherwise).
Copyright © 2020 CREDIT SUISSE AG and/or its affiliates. All rights reserved.
When you purchase non-listed Japanese fixed income securities (Japanese government bonds, Japanese municipal bonds, Japanese government guaranteed bonds, Japanese corporate bonds) from CS as a seller, you will be requested to pay the purchase price only.



START YOUR FINANCE



起点财经，网罗天下报告