

Galapagos NV (GLPG)

INCREASE TARGET PRICE

Strong balance sheet provides foundation for pipeline upside; Raising TP to €174

We are updating our model and raising our TP to €174, while maintaining our Outperform rating. Overall, we think Galapagos is well positioned to outperform over the next year, driven by:

- >€5B in cash, adjusted for the Gilead deal, providing valuation support
- Clinical updates of late-stage assets targeting large addressable markets in inflammation, idiopathic pulmonary fibrosis (IPF) and osteoarthritis (OA)
- Near-term revenue upside from undisclosed regulatory and clinical milestones related to filgotinib
- Potential to accelerate earlier stage programs such as the Toledo program (8+ assets with a currently undisclosed mechanism and target).

We think the recent Gilead transaction was a good deal for Galapagos, as the amount paid more-than-fully values the US opportunity for IPF and OA at this point in time, allowing GLPG to realize much of that value before further derisking clinical trials. Beyond filgotinib, we think GLPG1690 has blockbuster potential in IPF (we conservatively model >\$1B peak sales at ~35% PoS, launching in ~2022). GLPG1972 for OA could be an interesting asset as well, given the large addressable market, but we need additional clinical data before we assign more value to the program, (we model >1.1B peak sales at 15% PoS). With a healthy cash position and an experienced collaborator in Gilead, we see favorable risk/reward, as updates for filgotinib, '1690, '1972 and Toledo expected in 2H19-2H21 are all potential drivers of upside.

We are increasing our revenue and EPS estimates in our model, while making adjustments to reflect the Gilead transaction. Our €174 TP is based on a sum-ofthe-parts DCF valuation, using a 1% terminal growth rate and 10% WACC, with cash flows forecasted through 2029 and terminal value assigned thereafter.

Risks: Clinical and developmental, regulatory, commercial and market.

Financial and valuation metrics				
Year	12/18A	12/19E	12/20E	12/21E
EPS (CS adj.) (€)	-0.56	-2.45	0.87	3.09
Prev. EPS (€)	-	-4.85	-4.45	-4.11
Revenue (€ m)	317.8	108.5	341.8	590.6
EBITDA (€ m)	-39.7	-145.3	56.7	218.7
P/OCF (x)	-29.5	-90.0	132.8	45.0
EV/EBITDA (current)	-187.3	-52.1	133.2	33.6
Net debt (€ m)	-1,291	-1,171	-1,182	-1,394
ROIC (%)	58.64	206.52	-479.79	1602.43
Number of shares (m)	54.82	IC (current, € m)		-76.55
Net debt (Next Qtr., € m)	-	Dividend (current,	€)	_
Net debt/tot eq (Next Qtr.,%)	-	,	,	

Source: Company data, Refinitiv, Credit Suisse estimates

Rating		OUTPERFORM
Price (29-Jul-19, €)		159.30
Target price (€)	(from	113.00) 174.00
52-week price range (€)		168.85 - 75.60
Market cap(€ m)		8,733
Enterprise value (€ m)		7,562
Target price is for 12 months.		

Research Analysts Evan Seigerman 212 325 4463

evan.seigerman@credit-suisse.com

Share price performance 170 150 130 110 90 70 Apr- 19 Jan - 19 GLPG AS — AMSTERDAM EXCHANGE INDEX

On 29-Jul-2019 the AMSTERDAM EXCHANGE INDEX closed at 579.55 Daily Jul27, 2018 - Jul29, 2019, 07/27/18 = €94.9

Quarterly EPS Q1 Q2 Q4 -0.73 -0.42 0.28 0.27 2018A 2019E -0.89 -0.86 -1.94 0.90 2020E

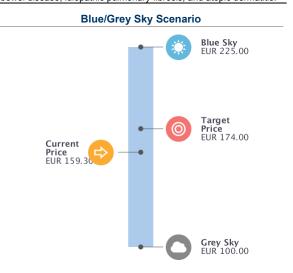
DISCLOSURE APPENDIX AT THE BACK OF THIS REPORT CONTAINS IMPORTANT DISCLOSURES, ANALYST CERTIFICATIONS, LEGAL ENTITY DISCLOSURE AND THE STATUS OF NON-US ANALYSTS. US Disclosure: Credit Suisse does and seeks to do business with companies covered in its research reports. As a result, investors should be 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.



Galapagos NV (GLPG) Price (29 Jul 2019): €159.3; Rating: OUTPERFORM; Target Price: (from 113.00) 174.00; Analyst: Evan Seigerman

Price (29 Jul 2019): €159.3 ;	Rating: OUTF	PERFORM;	Target Price	: (from 1
Income Statement	12/18A	12/19E	12/20E	12/21E
Revenue (€ m)	317.8	108.5	341.8	590.6
EBITDA (€ m)	(40)	(145)	(16)	219
Depr. & amort. EBIT (€)	(5) (45)	(8) (153)	(16) 40	(24) 195
Net interest exp	16	17	18	18
PBT (€)	(29)	(136)	58	213
Income taxes	(0)	-0	(1)	(2)
Profit after tax	(29)	(136)	57	211
Minorities	- (20)	(436)	- 57	244
Net profit (€) Reported net income (€)	(29) (29)	(136) (136)	57 57	211 211
Other NPAT adjustments	0	0	0	
Adjusted net income	(29)	(136)	57	211
Cash Flow	12/18A	12/19E	12/20E	12/21E
EBIT	(45)	(153)	40	195
Net interest	16	17	18	18
Change in working capital	(133)	11	(14)	(15
Cash flow from operations CAPEX	(142)	(98)	79	241
Free cashflow to the firm	(10) (153)	(22) (120)	(68) 11	(30 21 1
Acquisitions	(133)	(120)		211
Divestments	-	-	-	
Cash flow from investments	(16)	(22)	(68)	(30
Net share issue(/repurchase)	288	0	0	(
Dividends paid	0	0	0	244
Changes in Net Cash/Debt	140	(120)	11	211
Balance Sheet (€) Assets	12/18A	12/19E	12/20E	12/21E
Cash & cash equivalents	1,291	1,171	1,182	1,394
Account receivables	19	6	20	34
Other current assets	19	20	20	2′
Total current assets	1,329	1,197	1,222	1,448
Total fixed assets	23	37	89	95
Investment securities Total assets	1,439	1,321	1,398	1,630
Liabilities	1,433	1,321	1,550	1,000
Total current liabilities	220	219	219	219
Total liabilities	225	225	225	225
Shareholder equity	1,214	1,097	1,174	1,406
Total liabilities and equity	1,439	1,321	1,398	1,630
Net debt	(1,291)	(1,171)	(1,182)	(1,394
Per share No. of shares (wtd avg)	12/18A 52	12/19E 55	12/20E 66	12/21E
CS adj. EPS	(0.56)	(2.45)	0.87	3.09
Prev. EPS (€)	(0.00)	(4.85)	(4.45)	(4.11
Dividend (€)	0.00	0.00	0.00	0.00
Free cash flow per share	(2.93)	(2.16)	0.17	3.11
Earnings	12/18A	12/19E	42/205	12/21E
Sales growth (%)	12/10/1	12,102	12/20E	12/2 11
	103.9	(65.9)	215.0	72.8
EBIT growth (%)	103.9 50.1	(65.9) (241.6)	215.0 126.3	72.8 383.4
EBIT growth (%) Net profit growth (%)	103.9 50.1 74.7	(65.9) (241.6) (363.7)	215.0 126.3 142.3	72.8 383.4 267.1
EBIT growth (%) Net profit growth (%) EPS growth (%)	103.9 50.1 74.7 76.0	(65.9) (241.6) (363.7) (336.2)	215.0 126.3 142.3 135.4	72.8 383.4 267.7 257.0
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%)	103.9 50.1 74.7 76.0 (12.5)	(65.9) (241.6) (363.7) (336.2) (133.9)	215.0 126.3 142.3 135.4 16.6	72.8 383.4 267.1 257.0 37.0
EBIT growth (%) Net profit growth (%) EPS growth (%)	103.9 50.1 74.7 76.0	(65.9) (241.6) (363.7) (336.2)	215.0 126.3 142.3 135.4	72.8 383.4 267.7 257.0 37.0 33.0
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%)	103.9 50.1 74.7 76.0 (12.5) (14.1)	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1)	215.0 126.3 142.3 135.4 16.6 11.8	72.8 383.4 267.7 257.0 37.0 33.0 36.0
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2)	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0)	215.0 126.3 142.3 135.4 16.6 11.8 17.0	72.8 383.4 267.1 257.0 37.0 33.0 36.0
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09	72.6 383.4 267. 257.0 37.0 33.0 35.0 12/21E
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3)	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1)	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2	72.6 383.4 267. 257.0 37.0 33.0 35.6 12/21E 12.43
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1)	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4)	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4	72.8 383.4 267.7 257.0 33.0 36.0 35.6 12/21E 33.6 37.7
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7)	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0)	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8	72.8 383.4 267.7 257.0 33.0 36.0 35.6 12/21E 12.43 33.6 37.7
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x) Price to book (x)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0) 5.8	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8 6.8	72.8 383.4 267.7 257.0 33.0 36.0 35.6 12/21E 12.44 33.6 37.7 51.6
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBITDA margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x) Price to book (x) Asset turnover	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0) 5.8 0.1	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8 6.8 0.2	72.8 383.2 267. 257.1 37.1 33.0 36.0 35.1 12.4 33.0 37.5 51.6 6.9
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x) Price to book (x) Asset turnover Returns	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0) 5.8 0.1	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8 6.8 0.2	72.8 383.4 267. 257.0 37.0 33.0 36.0 35.0 12/21E 12.4 33.6 6.9 0.4
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBITDA margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x) Price to book (x) Asset turnover	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0) 5.8 0.1	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8 6.8 0.2	72.8 383.2 267. 257.0 37.0 33.0 36.0 35.0 12/211 33.0 37.0 51.0 6.0 0.0
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBIT DA (x) EV/EBIT (x) P/E (x) P/E (x) Prec to book (x) Asset turnover Returns ROE stated-return on (%) ROIC (%)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2 12/18A (2.1) 58.6	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0) 5.8 0.1 12/19E (8.9) 206.5	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8 6.8 0.2 12/20E 3.7 (479.8)	72.8 383.4 267.7 257.0 37.0 33.0 36.0 35.6 12/218 12.4 33.6 6.9 0.4 12/218 13.9 1602.4
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x) Price to book (x) Asset turnover Returns ROE stated-return on (%) ROIC (%) Gearing	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2 12/18A (2.1) 58.6	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0) 5.8 0.1 12/19E (8.9) 206.5	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 22.09 133.2 187.4 183.8 6.8 0.2 12/20E 3.7 (479.8)	72.8 383.4 267.7 257.0 37.0 33.0 36.0 35.6 12/21E 12.42 13.9 1602.4
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBIT margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBIT DA (x) EV/EBIT (x) P/E (x) P/E (x) Prec to book (x) Asset turnover Returns ROE stated-return on (%) ROIC (%)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2 12/18A (2.1) 58.6	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E 69.69 (52.1) (49.4) (65.0) 5.8 0.1 12/19E (8.9) 206.5	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8 6.8 0.2 12/20E 3.7 (479.8)	72.8 383.4 267.7 257.0 33.0 36.0 35.6 12/21E 12.4 33.0 6.9 0.4 12/21E 13.8 1602.4 (99.1
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBITDA margin (%) Pretax margin (%) Net margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x) Price to book (x) Asset turnover Returns ROE stated-return on (%) ROIC (%) Gearing Net debt/equity (%) Interest coverage ratio (X) Quarterly EPS	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2 12/18A (2.1) 58.6 12/18A (106.3) 2.9	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E (69.69 (52.1) (49.4) (65.0) 5.8 0.1 12/19E (8.9) 206.5 12/19E (106.8) 8.8	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 12/20E 22.09 133.2 187.4 183.8 6.8 0.2 12/20E 3.7 (479.8) 12/20E (100.7) (2.3)	72.8 383.4 267. 257.0 37.0 33.0 36.0 35.6 12/21E 12.4 13.9 1602.4 12/21E (99.1 (10.9
EBIT growth (%) Net profit growth (%) EPS growth (%) EBITDA margin (%) EBITDA margin (%) Pretax margin (%) Valuation EV/Sales (x) EV/EBITDA (x) EV/EBIT (x) P/E (x) Price to book (x) Asset turnover Returns ROE stated-return on (%) ROIC (%) Gearing Net debt/equity (%) Interest coverage ratio (X)	103.9 50.1 74.7 76.0 (12.5) (14.1) (9.2) (9.2) 12/18A 23.42 (187.3) (166.1) (283.7) 5.5 0.2 12/18A (2.1) 58.6 12/18A (106.3) 2.9	(65.9) (241.6) (363.7) (336.2) (133.9) (141.1) (125.0) (125.0) 12/19E (69.69) (52.1) (49.4) (65.0) 5.8 0.1 12/19E (8.9) 206.5 12/19E (106.8) 8.8	215.0 126.3 142.3 135.4 16.6 11.8 17.0 16.8 22.09 133.2 187.4 183.8 6.8 0.2 12/20E 3.7 (479.8) 12/20E (100.7) (2.3)	72.8

Company Background Galapagos is a clinical stage biotech company focused on developing novel treatments for rheumatoid arthritis, inflammatory bowel disease, idiopathic pulmonary fibrosis, and atopic dermatitis.



Our Blue Sky Scenario (€) (from 125.00) 225.00 Our blue sky valuation of €225 is based on 100% POS of filgotinib in rheumatoid arthritis, ulcerative colitis and Crohn's disease, as well as better-than-expected data from the pipeline drugs GLPG1690, and GLPG1972. Our blue sky valuation is based on a DCF driven by a 10% WACC and discounted cash flows through 2029, with 1% terminal growth rate thereafter.

Our Grey Sky Scenario (€) (from 75.00) 100.00 Our grey sky valuation of €100 is based on clinical failure of the developmental pipeline, but includes EUR 5.7B of value from cashon-hand adjusted for the Gilead transaction.



On 29-Jul-2019 the AMSTERDAM EXCHANGE INDEX closed at 579.55 Daily Jul27, 2018 - Jul29, 2019, 07/27/18 = €94.9



Gilead Deal: On July 14, 2019, Galapagos and Gilead announced a \$5.1B+ deal meant to greatly expand the terms of the existing collaboration. Under the terms of the agreement, Gilead will make a \$3.95B upfront cash payment to Galapagos, and make an additional \$1.1B equity investment in Galapagos, increasing its ownership stake from 12% to 22%. Gilead will fund the deal with cash on hand. The proposed investment also includes warrants for Gilead to increase its stake to 25% at the original deal value within 1 year, and up to 29.9% during the 10-year revised collaboration agreement, subject to future trading prices and shareholder approval. In return, Gilead will receive from Galapagos:

- Ex-EU rights for GLPG1690 (in Phase 3 for idiopathic pulmonary fibrosis)
- Option to acquire US rights for GLPG1972 after Ph2b, currently in development for osteoarthritis
- Options to license ex-EU rights for Galapagos' other clinical programs, for 10 years
- Revision of filgotinib cost-sharing to a 50/50 split, royalty rate unchanged (tiered rate at 20-30%)

For all assets, development costs will be split 50/50 and Galapagos will receive milestones and tiered royalties of 20-24% after Gilead opts in. (See our Gilead initiation note for more detail on filgotinib and our recent U.S. Biotechnology note, dated 14 July, for our view of the deal from the Gilead perspective). While a takeout is less likely for Galapagos (given the 10-year agreement), we think that the additional capital will likely allow the company to accelerate R&D investment and also support commercialization of filgotinib (for which Galapagos is now responsible in more European countries).

GLPG1690 in IPF has blockbuster potential: Galapagos has a small but rapidly advancing pipeline in idiopathic pulmonary fibrosis (IPF), a rare lung disease with high unmet need and large market potential. Current treatment options for IPF have limited efficacy and some significant side effects. Nonetheless, patient uptake of IPF therapy has been surprisingly strong with 2017 WW sales reaching \$2B. Galapagos' lead IPF candidate GLPG1690 has a novel mechanism of action (MoA) with the positive Phase 2 (FLORA) trial setting the stage for the much larger 1,500 patient Phase 3 pivotal program (ISABELA 1 and ISABELA 2), with updates expected 2H20. Also in the pipeline for IPF is GLPG1205, currently in Phase 2 (PINTA). After the announced deal, Galapagos retains full EU rights, while Gilead will market the drug ex-EU. Phase 3 costs will be split 50/50, while Galapagos will receive a \$325M milestone on US approval and 20-24% in tiered sales royalties.

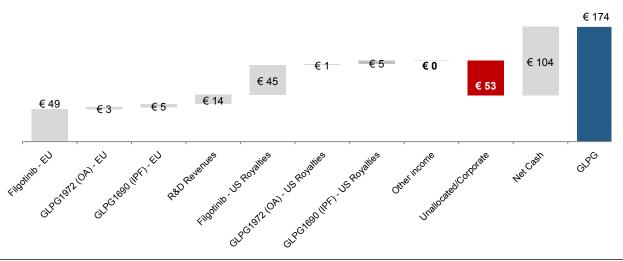
GLPG1972 for osteoarthritis also promising: We believe GLPG's continued progress in osteoarthritis (OA) is relatively underappreciated, and see it as a potential contributor of meaningful growth in the mid-to-long term. We expect that the Phase 2 ROCCELLA trial for GLPG1972 in OA is likely to read out in early 2021, with potential approval in 2024. Should Gilead opt-in after the phase 2b, Galapagos will receive an upfront payment of \$250M, up to an additional \$750M in milestones and 20-24% in tiered sales royalties.

Other inflammation fibrosis programs are pre-clinical, but over 20 programs provide diverse optionality: Leveraging the company's high-throughput target discovery platform, Galapagos has been actively expanding their portfolio of preclinical programs across many therapeutic areas. The most recently disclosed program is called "Toledo" and at the October 2018 R&D Day the company showed data demonstrating robust disease activity control in several GI mouse models. The company initiated its Phase 1 trial in January 2019. We expect additional updates from this program at the R&D day in November 2019.



Valuation: Our €174 TP is based on a sum-of-the-parts DCF valuation. We forecast cash flows through 2029 to account for known or anticipated competition and patent expirations. Beyond 2029, we apply a 1% terminal growth rate to Galapagos cash flows. Galapagos is discovery-focused biotech company, and we expect that the company will be able accelerate its R&D efforts, replacing cash flows at a rate faster than what is lost to erosion. The collaboration with Gilead allows the company to monetize assets earlier than it would otherwise be able to, via opt-in payments and milestones, while allowing it to share phase 3 clinical risk and ex-EU commercialization risk with an experienced partner. We account for the risk-mitigation of the collaboration via a 10% discount rate.

Figure 1: Galapagos SOTP Valuation



Source: Company data, Credit Suisse estimates

Risks to our target price and rating:

- Clinical and developmental: Some of our valuation and share upside potential is based on outcomes from clinical trials. If any of Galapagos' late-stage assets are shown to be clinically ineffective or unsafe, we would expect negative pressure on shares.
- Regulatory: Food and Drug Administration (FDA), European Medicines Agency (EMA), and other regulatory body approvals are required for Galapagos to market and sell its therapeutics. Any delay or outright rejection of the approval of investigational assets could have a negative impact on the future cash flows and value of Galapagos shares. Furthermore, FDA or EMA could revoke the marketing authorization of any marketed product due to safety or efficacy concerns.
- Commercial: EU sales and US sales royalties drive the majority of our cash flow and earnings estimates. If sales are worse than our or consensus expectations, we could see a negative impact on shares.
- External/Market Risk: Biotechnology remains a volatile sector that can be affected by external factors, including drug pricing legislation, intellectual property law, healthcare policy, and the overall economy. Negative policy developments and/or a weakening of the economy could affect Galapagos' share price.



Companies Mentioned (Price as of 29-Jul-2019)

Galapagos NV (GLPG.AS, €159.3, OUTPERFORM, TP €174.0)

Disclosure Appendix

Analyst Certification

I, Evan Seigerman, 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 Galapagos NV (GLPG.AS)

GLPG.AS	Closing Price	Target Price	
Date	(€)	(€)	Rating
31-Jul-16	48.71	48.00	N
06-Nov-16	52.78	56.00	
08-Mar-17	69.75	72.00	
30-Apr-17	80.46	84.00	
16-Feb-18	93.48	90.00	
04-Mar-18	81.84	85.00	
06-Aug-18	94.14	92.00	
25-Oct-18	86.04	90.00	
13-Dec-18	95.88	113.00	0
09-Jul-19	122.15	113.00	*



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 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 American and Asia stocks (excluding Japan and Australia), 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.

^{*} Asterisk signifies initiation or assumption of coverage.



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

Global Ratings Distribution

Rating	Versus universe (%)	Of which banking clients (%)
Outperform/Buy*	46%	(33% banking clients)
Neutral/Hold*	39%	(28% banking clients)
Underperform/Sell*	13%	(23% banking clients)
Restricted	2%	

*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

Target Price and Rating

Valuation Methodology and Risks: (12 months) for Galapagos NV (GLPG.AS)

Method: Our €174 target price and Outperform rating for Galapagos NV are based on a DCF (discounted cash flow) valuation. We use a 10% WACC (weighted average cost of capital) and forecast discounted cash flows through 2029, with terminal growth rate of 1% thereafter.

Risk:

Risk to our €174 target price and Outperform rating: Clinical and developmental: Some of our valuation and share upside potential is based on outcomes from clinical trials. If any of Galapagos' late-stage assets are shown to be clinically ineffective or unsafe, we would expect negative pressure on shares. Regulatory: Food and Drug Administration (FDA), European Medicines Agency (EMA), and other regulatory body approvals are required for Galapagos to market and sell its therapeutics. Any delay or outright rejection of the approval of investigational assets could have a negative impact on the future cash flows and value of Galapagos shares. Furthermore, FDA or EMA could revoke the marketing authorization of any marketed product due to safety or efficacy concerns. Commercial: EU sales and US sales royalties drive the majority of our cash flow and earnings estimates. If sales are worse than our or consensus expectations, we could see a negative impact on shares. External/Market Risk: Biotechnology remains a volatile sector that can be affected by external factors, including drug pricing legislation, intellectual property law, healthcare policy, and the overall economy. Negative policy developments and/or a weakening of the economy could affect Galapagos' share price.

Please refer to the firm's disclosure website at https://rave.credit-suisse.com/disclosures/view/selectArchive for the definitions of abbreviations typically used in the target price method and risk sections.

See the Companies Mentioned section for full company names

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): GLPG.AS

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=445919&v=39ncgaynoydihov6x3xrji64h.

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.



This research report is authored by:

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 locality, 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 within such jurisdiction. All material presented in this report, unless specifically indicated otherwise, is under copyright to CS. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted to, 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, tools 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 or 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 ČS 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 ADR's, 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 advisers 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 realised. Those losses may equal your original investment. Indeed, in the case of some investments the potential bisses 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 reviewed 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 rish

This report is issued and distributed in European Union (except Switzerland): 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. Germany: Credit Suisse (Deutschland) Aktiengesellschaft regulated by the Bundesanstalt fuer Finanzdienstleistungsaufsicht ("BaFin"). United States and Canada: Credit Suisse Securities (USA) LLC; 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) and Casa de Bolsa Credit Suisse (México), S.A. de C.V., Grupo Financiero Credit Suisse (México), "Credit Suisse Mexico"). This document has been prepared for information purposes only and is exclusively distributed in Mexico to Institutional Investors. Credit Suisse Mexico 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 (Kinsho) No. 66, a member of Japan Securities Dealers Association, The Financial Futures Association of Japan, Japan Investment Advisers Association, Type II Financial Instruments Firms Association; Hong Kong: Credit Suisse (Hong Kong) Limited; Australia: Credit Suisse Equities (Australia) Limited; Thailand: Credit Suisse Securities (Thailand) Limited, regulated by the Office of the Securities and Exchange Commission, Thailand, having registered address at 990 Tribular by Limited Proving Limited, Australian - Desire Subset Securities (Indian) Limited, Tribular by Limited Proving Limited, Tribular by Limited Proving Limited, Tribular by Limited Proving Limited, Tribular by Limited (CIN no.U67120MH1996PTC104392) regulated by the Securities and Exchange Board of India as Research Analyst (registration no. INH 000001030) and as Stock Broker (registration no. INZ000248233), having registered address at 9th Floor, Ceejay House, Dr.A.B. Road, Worli, Mumbai - 18, India, T. +91-22 6777 3777; South Korea: Credit Suissé 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 (Cth) 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. CSHKL 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.

Singápore: 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 thereunder, 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.

Please note that this research was originally prepared and issued by CS for distribution to their market professional and institutional investor customers. Recipients who are not market professional or institutional investor customers of CS should

seek the advice of their independent financial advisor prior to taking any investment decision based on this report or for any necessary explanation of its contents.

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 adviser 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 adviser 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 affiliates, 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 4975 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 © 2019 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.