EURONEXT DERIVATIVES NOTICE

Amsterdam Market	No. NO191210DE
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TRADING HOURS EURONEXT DERIVATIVES MARKETS: 23 DECEMBER 2019 TO 3 JANUARY 2020

Executive Summary

The trading hours for the Euronext Amsterdam, Brussels, Lisbon and Paris Derivatives Markets during the period of Monday 23 December 2019 to Friday 3 January 2020

The trading hours for the Euronext Amsterdam, Brussels, Lisbon and Paris Derivatives Markets during the period of Monday 23 December 2019 to Friday 3 January 2020 are summarised in Appendix 1, below.

The introduction of daily AEX-Index® options will differ from the normal introduction and expiry cycles. On Tuesday 24 December and Tuesday 31 December 2019 no AEX-Index® daily option will expire. The first trading day of the 2 January 2020 daily AEX-Index® option will be on 30 December 2019.

Further information:

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The Euronext Markets comprise the markets operated by Euronext Amsterdam, Euronext Brussels, Euronext Dublin, Euronext Lisbon, Euronext London and Euronext Paris, referred to respectively as the Amsterdam, Brussels, Dublin, Lisbon, London and Paris markets, as relevant. Euronext refers to Euronext N.V. and its affiliates.

Appendix 1: Trading hours for the Euronext Amsterdam, Brussels, Lisbon and Paris Derivatives Markets during the period of Monday 23 December 2019 to Friday 3 January 2020.

TRADING DAYS	AMSTERDAM	BRUSSELS	LISBON	PARIS
Monday 23 December 2019	**Market Open**	**Market Open**	**Market Open**	**Market Open**
Tuesday 24 December 2019 Saturn closes at: 14:00 CET.	**Half day trading** Equity, ETF and Index Options will close at 13:55 CET. Equity Options on stocks listed on the Frankfurt Stock Exchange will be closed. No AEX-Index® Daily Option expiration. SSDFs[1] will close at 13:55 CET. Commodity and Currency Products and Index Futures will close at 14:00 CET. SSFs[2] on stocks listed on the Amsterdam and Madrid Stock Exchanges will close at 14:05 CET. SSFs[2] on stocks listed on the London and Dublin Stock Exchanges will close at 13:40 CET. All other SSFs[2] will be closed.	**Half day trading** Equity and Index Options will close at 13:55 CET. SSDFs[1] will close at 13:55 CET. Index Future will close at 14:00 CET. SSFs[2] will close at 14:05 CET.	**Half day trading** SSDFs[1] will close at 13:55 CET. Index Future will close at 14:00 CET. SSFs[2] will close at 14:05 CET.	**Half day trading** Equity and Index Options will close at 13:55 CET. SSDFs[1] will close at 13:55 CET. Commodity Products and Index Futures will close at 14:00 CET. SSFs[2] will close at 14:05 CET.
	Trading via the Large-in-Scale facility will cease at 14:00 CET.	Trading via the Large-in-Scale facility will cease at 14:00 CET.	Trading via the Large-in-Scale facility will cease at 14:00 CET.	Trading via the Large-in-Scale facility will cease at 14:00 CET.
Wednesday 25 December 2019	**Market Closed**	**Market Closed**	**Market Closed**	**Market Closed**
Thursday 26 December 2019	**Market Closed**	**Market Closed**	**Market Closed**	**Market Closed**
Friday 27 December 2019	**Market Open**	**Market Open**	**Market Open**	**Market Open**

Appendix 1: Trading hours for the Euronext Amsterdam, Brussels, Lisbon and Paris Derivatives Markets during the period of Monday 23 December 2019 to Friday 3 January 2020.

TRADING DAYS	AMSTERDAM	BRUSSELS	LISBON	PARIS
Monday 30 December 2020	**Market Open**	**Market Open**	**Market Open**	**Market Open**
Tuesday 31 December 2019 Saturn closes at: 14:00 CET.	**Half day trading** Equity, ETF and Index Options will close at 13:55 CET. Equity Options on stocks listed on the Frankfurt Stock Exchange will be closed. No AEX-Index® Daily Option expiration. SSDFs[1] will close at 13:55 CET. Commodity and Currency Products and Index Futures will close at 14:00 CET. SSFs[2] on stocks listed on the Amsterdam and Madrid Stock Exchanges will close at 14:05 CET. SSFs[2] on stocks listed on the London and Dublin Stock Exchanges will close at 13:40 CET. All other SSFs[2] will be closed.	**Half day trading** Equity and Index Options will close at 13:55 CET. SSDFs[1] will close at 13:55 CET. Index Future will close at 14:00 CET. SSFs[2] will close at 14:05 CET.	**Half day trading** SSDFs[1] will close at 13:55 CET. Index Future will close at 14:00 CET. SSFs[2] will close at 14:05 CET.	**Half day trading** Equity and Index Options will close at 13:55 CET. SSDFs[1] will close at 13:55 CET. Commodity Products and Index Futures will close at 14:00 CET. SSFs[2] will close at 14:05 CET.
	Trading via the Large-in-Scale facility will cease at 14:00 CET.	Trading via the Large-in-Scale facility will cease at 14:00 CET.	Trading via the Large-in-Scale facility will cease at 14:00 CET.	Trading via the Large-in-Scale facility will cease at 14:00 CET.
Wednesday 1 January 2020	**Market Closed**	**Market Closed**	**Market Closed**	**Market Closed**
Thursday 2 January 2020	**Market Open** SSFs[2] on stocks listed on the Zurich Stock Exchange will be closed.	**Market Open**	**Market Open**	**Market Open**

Appendix 1: Trading hours for the Euronext Amsterdam, Brussels, Lisbon and Paris Derivatives Markets during the period of Monday 23 December 2019 to Friday 3 January 2020.

TRADING DAYS	AMSTERDAM	BRUSSELS	LISBON	PARIS
Friday 3 January 2020	**Market Open**	**Market Open**	**Market Open**	**Market Open**

[1]Single Stock Dividend Futures [2] Single Stock Futures

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Attachment 1

The contract specifications for Single Stock Futures are as follows:

Contract size	One future normally equals rights over 100 underlying shares. For Stock Futures on Italian shares and UK shares this is 1,000 underlying shares.
Unit of trading	100 (for Italian and UK Stock Futures 1,000)
Pricing unit/quotation	EUR/CHF/GBX/NOK/SEK/DKK per share
Minimum price movement (tick size and value)	EUR/CHF/NOK/SEK/DKK 0.0001 (EUR/CHF/NOK/SEK/DKK 0.01 per contract, for Italian SSFs EUR 0.10 per contract) GBX 0.01 (GBX 10.00 per contract)
Expiry months	Initial lifetime: 1, 2 and 3 monthly futures Cycle: Every month Initial lifetime: 6, 9, 12 month quarterly futures Cycle: March, June, September, December (Additional monthly maturities up to 12 months available for certain names)
Introduction of new expiry months	New expiry months are available for trading on the first business day after the expiry of a maturity
Wholesale services	Large-in-Scale Trade Facility (minimum size 250 contracts
Trading hours	Central Order Book 09:00 – 17:40 CET Large-in-Scale Trade Facility 07:15 – 18:30 CET
Trading platform	Optiq
Algorithm	Central order book applies a price-time trading algorithm with priority given to the first order at the best price
Last trading day	Trading ceases at 17:40 CET on the third Friday of the delivery month. In the event that the third Friday is not a business day, the Last Trading Day shall normally be the last business day preceding the third Friday. For Italian SSFs trading ceases at 17:40 CET on the business day before the third Friday of the delivery month. In the event that this Thursday is not a business day, the Last Trading Day shall normally be the last business day preceding this Thursday.
Settlement	Cash settlement based on the EDSP
Settlement day	First business day after the Last Trading Day
Exchange Delivery Settlement Price (EDSP)	The domestic cash market closing price of the underlying stock on the Last Trading Day
Clearing organization	LCH S.A.