



MiFID II TRANSPARENCY

Quarterly Report – Q1 2020

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MARKET DATA PRODUCTS IN SCOPE

A core business of Euronext Advanced Data Services is making available trading data, index data, reference data, alternative data and analytics to clients worldwide. Market participants subscribe to this information, or license it, for their own use, processing or further dissemination it (e.g. redistribution).

Real-Time Market Data is one of the business areas of Advanced Data Services, which is providing real-time transparency and distribution services for Euronext's trading venues (TVs) and approved publication arrangement (APA). As such, the real-time market data business area mainly involves the distribution of licenses for real-time trading data and index data. The most important products in this respect are trading data from our pan-European cash and derivatives markets.

Real-time market data from trading venues is highly reliable and transparent. Following the introduction of MiFIR/MiFID market data publication by trading venues and APAs falls under the new uniform transparency requirements. It requires the disclosure of and making easily available to the public the price and other terms and conditions for the provision of the market data in a manner which is easily accessible.

MiFIR/MiFID applies to certain data products made available by Euronext. Figure 1 provides a list of all relevant products affected by the new transparency regime under MiFIR/MiFID, provided by Euronext.

More comprehensive information on real-time market data products and the respective licensing agreements including a fully transparent overview on pricing is available via our website:

<https://www.euronext.com/en/data/market-data>

Figure 1: Euronext Market Data Products subject to MiFIR/MiFID

Euronext Continental Cash (Consolidated Pack)¹, including:
✓ Euronext Continental Equities ¹
✓ Euronext Best of Book ³
✓ Euronext Block ²
✓ Euronext ETFs and Funds ¹
✓ Euronext Warrants and Certificates ¹
✓ Euronext Fixed Income ¹
Euronext Dublin Equities¹
Oslo Børs Equities¹
Euronext Equity and Index Derivatives¹
Euronext Commodity Derivatives¹
Euronext APA Trades²
Euronext APA Quotes³

¹Pre- and post-trade data, ²Post-trade data, ³Pre-trade data

MARKET DATA FEES

Euronext discloses the price and other terms and conditions for the provision of the market data in a manner which is easily accessible.

PRICE LISTS

Disclosure according to Art. 11 2 (a) of Commission Delegated Regulation (EU) 2017/567 and Art. 89 2 (a) of Commission Delegated Regulation (EU) 2017/565

The Information Product Fee Schedule provides a fully transparent overview of the fees applicable to the receipt, use and redistribution of Euronext market data. Other contractual terms and conditions for the provision of market data are outlined in the following Euronext's market data licensing agreements:

- Euronext Market Data Agreement (EMDA)
- Euronext Datafeed Subscriber Agreement (EDSA)

Euronext's market data licensing agreements, including the Information Product Fee Schedule, are available at <https://connect2.euronext.com/data/market-data-agreements>, open to everyone.

ADVANCE DISCLOSURE OF PRICE CHANGES

Disclosure according to Art. 11 2 (b) of Commission Delegated Regulation (EU) 2017/567 and Art. 89 2 (b) of Commission Delegated Regulation (EU) 2017/565

Euronext applies advance disclosure with a minimum of 120 days' notice of future price changes by registered e-mail. Furthermore, Euronext will also make the announcement and updated Information Product Fee Schedule available at <https://connect2.euronext.com/data/market-data-agreements> which is open to everyone.

LAST PRICE CHANGE

Disclosure according to Art. 11 2 (c) of Commission Delegated Regulation (EU) 2017/567 and Art. 89 2 (c) of Commission Delegated Regulation (EU) 2017/565

Euronext's last price change was disclosed with 120 days' prior written notice and will enter into force on: **1 July 2020**.

CONTENT OF MARKET DATA

Euronext's information on the content of the market data includes the average number of reported instruments, the average of daily turnover of instruments (ADT) and the overage number of orders per trade (i.e the pre-trade and post-trade market data ratio) for its Trading Venues and APAs.

EURONEXT TRADING VENUES

Disclosure according to Art. 11 2 (c) of Commission Delegated Regulation (EU) 2017/567

Period covered: **01/01/2020 – 31/03/2020**

Market	Products	Number of Instruments ¹	Average Daily Turnover ² (in EUR)	Pre-/Post-Trade Ratio ³
Cash	Euronext Shares ⁴	3,383	10,631,031,837	8
	Euronext ETFs ⁴	1,206	601,850,419	1,008
	Euronext Inv. Funds ⁴	263	79,604,241	4
	Euronext Structured Products ⁴	97,051	66,969,128	20,075
	Euronext Bonds ⁴	5,729	31,099,639	930
	Euronext Block MTF	-	-	-
Derivatives ⁴	Euronext Equity Futures	8,820	311,452,271	45,624
	Euronext Equity Options	187,794	1,295,810,128	9,176
	Euronext Index Futures	185	14,584,084,249	10
	Euronext Index Options	8,040	5,442,399,693	1,947
	Euronext Commodity Futures	268	769,431,062	1
	Euronext Commodity Options	15,296	65,183,791	4

¹ Average number of reported instruments per quarter 1 of 2020

² Average of daily total turnover (ADT) per quarter 1 of 2020

³ Average number of orders per trade, trades double counted, rejected orders excluded

⁴ Including the markets of Euronext Amsterdam, Euronext Brussels, Euronext Dublin, Euronext Lisbon and Euronext Paris. Excluding the markets of Oslo Børs, Oslo Børs will be included per Q1 2021

EURONEXT APA

Disclosure according to Art. 89 2 (c) of Commission Delegated Regulation (EU) 2017/565

Period covered: **01/01/2020 – 31/03/2020**

	Number of Instruments ¹	Average Daily Turnover ² (EUR)	Pre-/Post-Trade Ratio ³
Euronext APA Trades	142	452,654,512,703	N/A
Euronext APA Quotes	150	N/A	N/A

¹ Average number of reported instruments per quarter 1 of 2020. This number is rounded.

² Average of daily total turnover (ADT) per quarter 1 of 2020. This number is rounded.

³ Average number of orders per trade, trades double counted, rejected orders excluded

MARKET DATA REVENUES

Disclosure according to Art. 11 2 (d) of Commission Delegated Regulation (EU) 2017/567 and Art. 89 2 (d) of Commission Delegated Regulation (EU) 2017/565

Period covered: **01/01/2020 – 31/03/2020**

Total Market Data Revenues ¹ (million EUR)	Market Data Revenues as a Proportion of Total Revenues ² (%)
25.0	11%

¹ Total market data revenue from Euronext Amsterdam, Euronext Brussels, Euronext Dublin, Euronext Lisbon, Euronext Paris and Oslo Børs subject to MiFIR/MIFD II, excluding revenues from other data products. This number is rounded.

² Total market data revenue from Euronext Amsterdam, Euronext Brussels, Euronext Dublin, Euronext Lisbon, Euronext Paris and Oslo Børs subject to MiFIR/MIFD II as a proportion of the total revenues of the Euronext group as a whole, including Webcast, Commcise and Nordpool. This number is rounded.

COST ALLOCATION FOR MARKET DATA

Disclosure according to Art. 11 2 (e) of Commission Delegated Regulation (EU) 2017/567 and Art. 89 2 (e) of Commission Delegated Regulation (EU) 2017/565

Real Time Market Data produces and disseminates the market data on behalf of the trading venues and APAs subject to MiFIR/MiFID requirements. Euronext acts as a producer and distributor of market data. Our real-time market data distribution is outsourced to ICE Data Services. The costs for each market data product consist of standard directly attributable costs and indirect costs.

Prices for the relevant data packages are generally being defined based on costs as laid out below, and the value of the data to various customer groups, including the content of the data and packages. Euronext aims to distribute costs fairly over various user groups. Furthermore, pricing of similar services by other data providers are considered for validation.

Cost Accounting Methodology and Specific Principles

Prices charged for the real-time market data provided by trading venues and approved publication arrangement belonging to Euronext are determined based on fair and reasonable terms to recover costs of producing and disseminating market data, including the control of licensed third parties, plus a reasonable margin.

Euronext operates as a single operating segment and does not allocate, for its own needs, revenues and costs according to the type of business activity. However, as part of MiFID II requirements, Euronext developed a methodology to allocate the costs of producing and disseminating Market Data:

- Costs that are directly attributable to the market data activity (and only to the market data activity) are fully allocated to market data
- Costs that are directly attributable to other revenue generating activities (and that do not contribute to market data revenues) are not allocated to Market Data
- Common costs (i.e. costs that are contributing to several revenue generating activities of which Market Data is one) are allocated based on allocation keys, which are based on revenues most of the time. As Euronext's operational efficiency relies on common resources and costs to support the various revenue generating activities and local exchanges, most of Euronext's expenses fall into this category.

As the establishment of a trading venue and the provision of market data are joint products, common costs sustained to deliver them should be considered as joint costs. By the very definition of joint products, one cannot say what it would cost to produce only one of the joint products, as it is unfeasible to produce only one of them. Therefore, whilst the allocation of joint costs on a revenue basis can be regarded as somewhat arbitrary, it is in practice typical to allocate common and joint costs this way. Allocating joint costs according to the revenues generated constitutes a common practice that is an efficient and economically sensible manner of allocating joint costs as well as an accepted practice from a competition law perspective.