

# UPDATE ON TRENDS AND INNOVATION ON E-TRADING VENUES

ECB BOND MARKET CONTACT GROUP

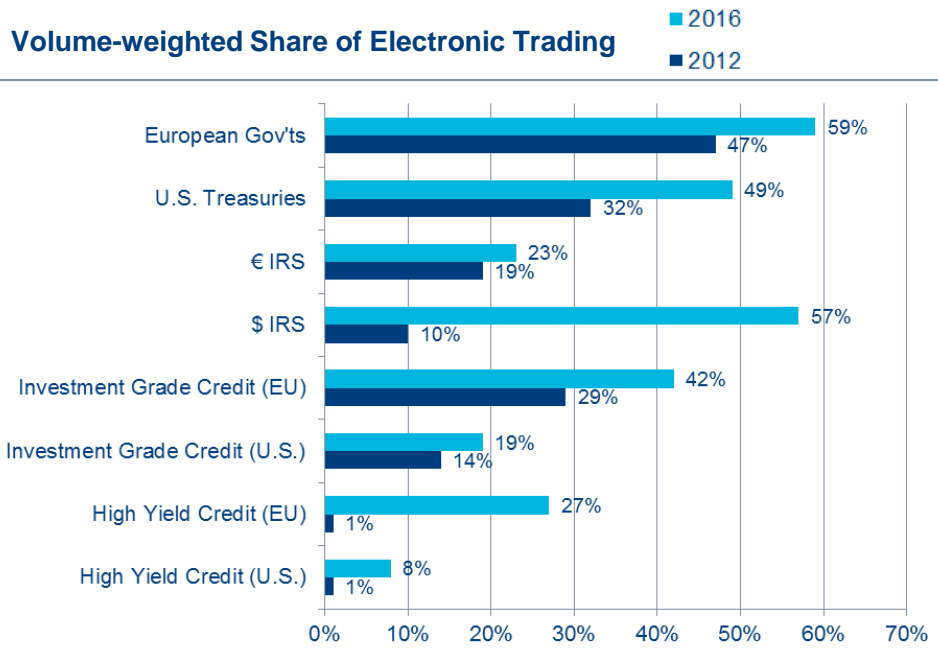
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# Current Status

Venues continue to evolve, offering a wider range of trading technology to provide access to liquidity and regulatory compliance. Recent focus of market participants is clearly:

- **Search for liquidity across markets**
- **Search for efficiency and streamlining trading workflow**
- **Readiness for regulatory change and compliance**

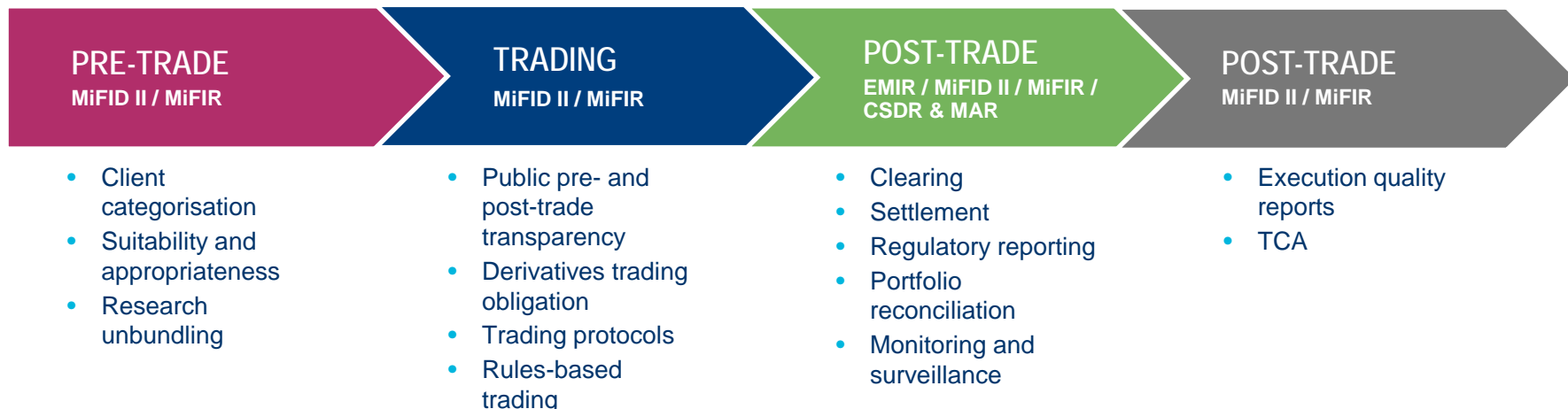


Source: Greenwich Associates' 2012 and 2016 North American Fixed Income Surveys and European Fixed Income Surveys

The range of trading protocols continues to expand. Not one size fits all

- Axes / Inventory
- Streaming prices
- RFQ
- Session based
- All to All
- Voice Supported
- Dark pool
- CLOB (Order Book)

# Regulatory change has significant impact for market participants across the transaction chain



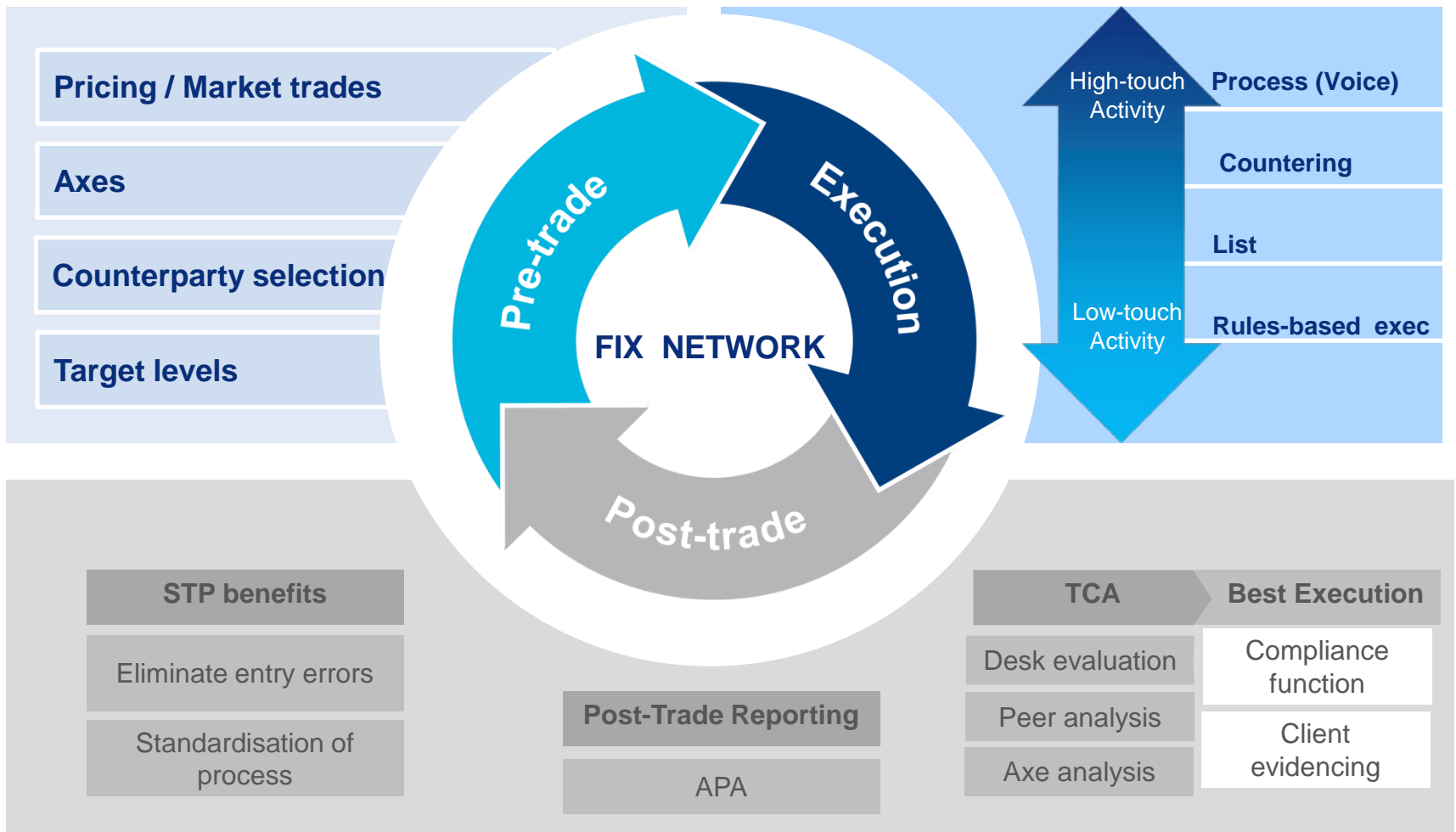
## Venues assisting Clients meet regulatory compliance

MiFID/ MiFIR/ MAR POLICY OBJECTIVES	VENUE RESPONSE
<b>Transparency</b>	Pre-post Trade Reporting
<b>Market Abuse</b>	Market Abuse Regulations, Order record keeping/ surveillance
<b>Investor protection</b>	<ul style="list-style-type: none"> <li>• Execution Quality</li> <li>• Transaction cost analysis</li> </ul>
<b>Operational Efficiency/STP</b>	Clearing Certainty / Submission of trades
<b>Post Trade Reporting</b>	APA (Approved Publication Arrangement)

CLIENT FEEDBACK TO VENUES	RESPONSE
<b>Bring Operational Efficiency</b>	Connection to pre- and post-trade OMS / EMS Vendors across market sectors
<b>Help Find Liquidity</b>	<ul style="list-style-type: none"> <li>• Axe information collection and display</li> <li>• Directing trades to points of liquidity. Feedback loop to prove price improvement</li> </ul>
<b>Trade Automation for Flow Business</b>	Rules-based execution in some market sectors
<b>Improve Data Analysis</b>	TCA: Desk evaluation, Peer analysis, Axe analysis
<b>Line Item Management for Cleared Derivatives</b>	NPV Compression tool for executing offsetting trades, eliminating line items. Netting / removing this risk has traditionally been highly manual process
<b>New Liquidity Providers</b>	Depending on the market, ability for clients to source liquidity effectively and efficiently from new or specialist market makers (including all-to-all in some market sectors)

# Resulting in Data Driven Execution

Leveraging data across the lifecycle of the trade, increasing efficiencies



## Use of Data Science and Analytics will deliver greater intelligence to clients to better inform their trades

- Expanded use of Data Analytics and Machine Learning technologies to optimise and to find the other side of the trade and trade opportunities
- MiFID II data may amplify this trend in 2018
- Greater use of TCA for fixed income – insight into trading performance including Desk evaluation, Peer analysis, Axe analysis. Need to demonstrate best execution
- Focus on liquidity measurement and trade optimisation

## Best execution

Quarterly RTS 27 execution venue reports

Additional information for annual RTS 28 reports

Transaction Cost Analysis

## Off-venue services

APA for real-time reporting

SI quote facility  
(Systematic Internaliser)

Workflow solutions for processed trades

## Pre-trade

Data and analytics to support execution decisions

# Annex B. RFQ (Request for Quote) trading protocol changes

## Making adjustments to ensure compliance with MiFIR transparency requirements.

### 1. Client launches inquiry

### 2. Collection window opens

- Dealers send responses – only visible to and executable by client
- Once client actions the trade and the quote is firm, the collection window closes and the trade execution process starts

- Collection window **extends** in the case of a subject/indicative quote:
  - Hit/lift equals "firm up quote and execute at this price" or
  - Requester accepts a dealer re-quote

### 3. Pre-trade information

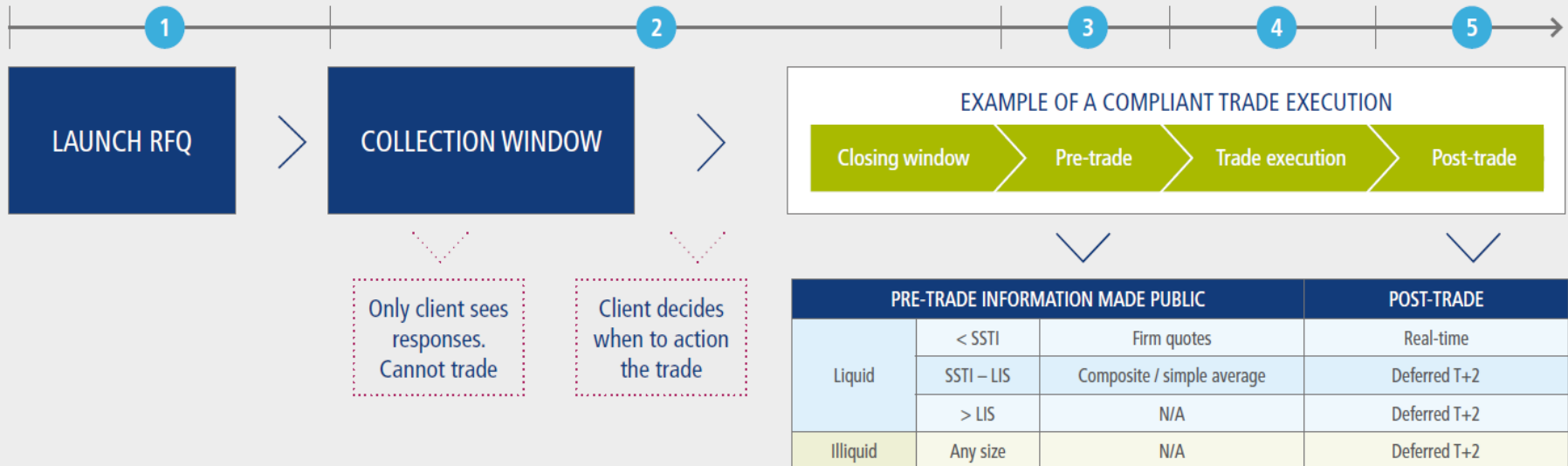
- When collection window closes certain lifts:
- Only **firm** quotes (from all dealers in comp) are made public (unattributed)

### 4. Trade execution

- Successful exchange of trade messages
- Ensuring no loss of connectivity/heartbeat

### 5. Post-trade

- Real-time report of instrument, size, price, time
- Unattributed



Additional deferrals may be available including volume masking



## Order record keeping and transaction reporting obligations



### Information includes:

LEVELS	EXAMPLES
Company level	<ul style="list-style-type: none"> <li>• LEI (Legal Entity Identifier)</li> <li>• MiFID status</li> <li>• Trading capacity</li> </ul>
Individual level	<ul style="list-style-type: none"> <li>• Investment decision within the firm</li> <li>• Execution within the firm</li> </ul>

## Annex D. Clock synchronisation

### Clock synchronisation requirement

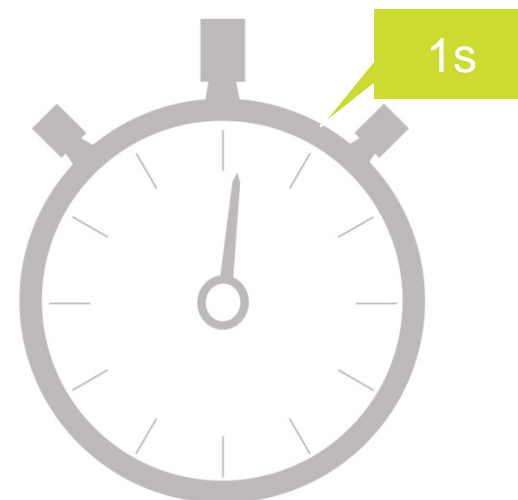
- MiFID II includes a requirement for venues and their members or participants to sync their business clocks to UTC (Coordinated Universal Time)
- Specified level of granularity and max divergence from UTC

VENUE



PARTICIPANTS

RFQ involving human intervention



## Proposed Issues for Discussion

1. Are European wholesale banks doing enough?
2. Are Central Banks doing enough?
3. Can blockchain/distributed ledger work for bond settlement?
4. How does ECB avoid vertical structures & encourage competition? e.g. open sources?
5. How do regulators create a level playing between incumbent financial firms and disruptor/fintech firms?
6. Do you think that the Industry is prepared for MiFID II?
7. Have you seen an increase in specialisation among liquidity providers?
8. Will assets be traded differently in the next year and what risks to liquidity might this present?