2012 Market Segmentation Survey

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5 November 2013
Introduction

- This survey is being conducted since 2007.

- The domestic market capitalization was broken down in four segments according to thresholds. The same threshold levels were kept for the last 5 surveys for consistency reasons. The segments were defined as follows:

  • Large market cap segment: market cap > USD 1.3 bn
  • Mid market cap segment: USD 1.3 bn > market cap > USD 200 m
  • Small market cap segment: USD 200 m > market cap > USD 65 m
  • Micro market cap segment: market cap < USD 65 m
Methodology

- Exchanges were asked to distribute their domestic market cap, number of domestic listed companies, EOB trading value and EOB number of trades into these 4 segments.

- Since 2008, an important change in the methodology has been introduced: only EOB trading is now considered while total trading was used for the first survey.

- Companies delisted during the year were excluded.

- In market capitalization, number of companies, EOB trading value and number of trades: Main board + SMEs/Alternative markets data are consolidated.
Overview of other existing thresholds

- United States = Generally accepted definition in the United States
- SMSG = Securities and Markets Stakeholder Group


2012 Market Segmentation Study 5 November 2013
Received answers

The study is based on **51 answers** received from the following members in 2013.

All the indicators are not available for every member and for each year. On each graph the excluded members are mentioned.

**Americas (9)**
- BM&FBOVESPA
- Bolsa de Comercio de Buenos Aires
- Bolsa de Comercio de Santiago
- Bolsa de Valores de Colombia
- Bolsa de Valores de Lima
- Bolsa Mexicana de Valores
- NASDAQ OMX US
- NYSE Euronext US
- TMX Group Inc.

**Asia – Pacific (17)**
- Australian Securities Exchange
- Bombay Stock Exchange
- Bursa Malaysia
- Colombo Stock Exchange
- GreTai Securities Market
- Hong Kong Exchanges and Clearing
- Indonesia Stock Exchange
- Korea Exchange
- National Stock Exchange of India
- Osaka Securities Exchange + Jasdaq
- Philippine Stock Exchange
- Shanghai Stock Exchange
- Shenzhen Stock Exchange
- Singapore Exchange
- Stock Exchange of Thailand
- Taiwan Stock Exchange
- Tokyo Stock Exchange Group

**EMEA (25)**
- Abu Dhabi Securities Exchange
- Amman Stock Exchange
- Athens Exchange
- BME Spanish Exchanges
- Bourse de Casablanca
- Bourse de Luxembourg
- Budapest Stock Exchange
- Cyprus Stock Exchange
- Deutsche Börse
- Irish Stock Exchange
- Istanbul Stock Exchange
- Johannesburg Stock Exchanges
- Ljubljana Stock Exchange
- London Stock Exchange Group
- Malta Stock Exchange
- Muscat Securities Market
- NASAD OMX Nordic
- NYSE Euronext Europe
- Oslo Børs
- Saudi Stock Exchange (Tadawul)
- SIX Swiss Exchange
- Stock Exchange of Mauritius
- Tel-Aviv Stock Exchange
- The Egyptian Exchange
- Wiener Börse
General overview
Market segments in 2012

- Micro-cap account for half of the total number of listed companies.

- The weight of mid-cap in number of trades remains important especially in Asia-Pacific region.

Excluding: TMX Group Inc. and Abu Dhabi Securities Exchange
Market segments in 2012 by region

**Americas**

- **Number of listed companies**
  - Large: 31%
  - Mid: 16%
  - Small: 16%
  - Micro: 22%

- **Number of trades**
  - Large: 85%
  - Mid: 13%
  - Small: 1%
  - Micro: 1%

- **Market Capitalization**
  - Large: 94%
  - Mid: 5%
  - Small & Micro: 1%

- **Share trading value**
  - Large: 95%
  - Mid: 5%
  - Small & Micro: 0%

**Asia-Pacific**

- **Number of listed companies**
  - Large: 51%
  - Mid: 23%
  - Small: 17%
  - Micro: 9%

- **Number of trades**
  - Large: 43%
  - Mid: 37%
  - Small: 10%
  - Micro: 10%

- **Market Capitalization**
  - Large: 82%
  - Mid: 28%
  - Small & Micro: 7%

- **Share trading value**
  - Large: 65%
  - Mid: 28%
  - Small & Micro: 7%

**EAME**

- **Number of listed companies**
  - Large: 62%
  - Mid: 15%
  - Small: 13%
  - Micro: 10%

- **Number of trades**
  - Large: 77%
  - Mid: 14%
  - Small: 4%
  - Micro: 5%

- **Market Capitalization**
  - Large: 91%
  - Mid: 7%
  - Small & Micro: 2%

- **Share trading value**
  - Large: 91%
  - Mid: 7%
  - Small & Micro: 2%

Excluding: TMX Group Inc. and Abu Dhabi Securities Exchange
Number of domestic listed companies

- Relative stability of the breakdown between 2011 and 2012.
- With TMX Group, the share of Micro-cap in Americas would be 44%.

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Excluding: TMX Group Inc. and Abu Dhabi Securities Exchange
Domestic market capitalization

- Large cap account for 89% of the market capitalization.
- In Asia-Pacific region the weight of Shenzhen Stock Exchange leads to a significant higher share of mid-cap.

Excluding: TMX Group Inc. and Abu Dhabi Securities Exchange
Parallel evolution of Num. Co. and M. Cap

- The decreasing number of micro cap was mainly explained by threshold effects.

**Americas**

**Asia-Pacific**

**EAME**

**Total number of listed companies between 2011 and 2012**

<table>
<thead>
<tr>
<th>Region</th>
<th>Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Americas</td>
<td>-0.9%</td>
</tr>
<tr>
<td>Asia-Pacific</td>
<td>+0.5%</td>
</tr>
<tr>
<td>EAME</td>
<td>-2.4%</td>
</tr>
</tbody>
</table>
Evolution over the last five years

- **Americas**
  - Number of listed companies: 2008 - 4,000, 2012 - 5,000
  - Market Capitalization (trillion USD): 2008 - 3,000, 2012 - 1,000
- **Asia-Pacific**
  - Number of listed companies: 2008 - 2,000, 2012 - 3,000
  - Market Capitalization (trillion USD): 2008 - 1,000, 2012 - 3,000
- **EAME**
  - Number of listed companies: 2008 - 2,000, 2012 - 1,000
  - Market Capitalization (trillion USD): 2008 - 500, 2012 - 250

**Total number of listed companies between 2008 and 2012**

- **Americas**: -4.4%
- **Asia-Pacific**: +9.4%
- **EAME**: -14.3%
Number of trades

- Large cap were slightly less affected by the decrease of number of trades (-11%) than mid (-17%) and small cap (-16%)
- The share of large cap in EOB trades increased in all the regions. The opposite trend was observed last year.

Value of share trading

- Similar trend in monetary terms: -15% for large cap compared to -25% for mid cap and -20% for small cap.
Average number of trades

- Decrease in 2012 for all the segments but micro caps.
- All the regions experienced quite similar trends.

### Total WFE

<table>
<thead>
<tr>
<th>Segment</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>1725</td>
<td>1410</td>
</tr>
<tr>
<td>Mid</td>
<td>402</td>
<td>324</td>
</tr>
<tr>
<td>Small</td>
<td>126</td>
<td>105</td>
</tr>
<tr>
<td>Micro</td>
<td>31</td>
<td>33</td>
</tr>
<tr>
<td>TOTAL</td>
<td>312</td>
<td>275</td>
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### Americas

<table>
<thead>
<tr>
<th>Segment</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>3045</td>
<td>2435</td>
</tr>
<tr>
<td>Mid</td>
<td>482</td>
<td>356</td>
</tr>
<tr>
<td>Small</td>
<td>134</td>
<td>80</td>
</tr>
<tr>
<td>Micro</td>
<td>19</td>
<td>27</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1039</td>
<td>877</td>
</tr>
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</table>

### Asia Pacific

<table>
<thead>
<tr>
<th>Segment</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>1301</td>
<td>1120</td>
</tr>
<tr>
<td>Mid</td>
<td>485</td>
<td>394</td>
</tr>
<tr>
<td>Small</td>
<td>163</td>
<td>139</td>
</tr>
<tr>
<td>Micro</td>
<td>45</td>
<td>50</td>
</tr>
<tr>
<td>TOTAL</td>
<td>267</td>
<td>243</td>
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</table>

### EAME

<table>
<thead>
<tr>
<th>Segment</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large</td>
<td>689</td>
<td>561</td>
</tr>
<tr>
<td>Mid</td>
<td>75</td>
<td>67</td>
</tr>
<tr>
<td>Small</td>
<td>30</td>
<td>24</td>
</tr>
<tr>
<td>Micro</td>
<td>10</td>
<td>5</td>
</tr>
<tr>
<td>TOTAL</td>
<td>82</td>
<td>73</td>
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</table>
Focus on largest exchanges

### Americas

<table>
<thead>
<tr>
<th></th>
<th>Large</th>
<th>Mid</th>
<th>Small</th>
<th>Micro</th>
<th>TOTAL</th>
</tr>
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<tbody>
<tr>
<td>Nasdaq</td>
<td>2,879</td>
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<td>412</td>
<td>129</td>
<td>2,352</td>
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<tr>
<td>NYSE</td>
<td>3,548</td>
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<td>741</td>
<td>541</td>
<td>2,845</td>
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<tr>
<td>BM&amp;FBOVESPA</td>
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<td>199</td>
<td>145</td>
<td>874</td>
</tr>
<tr>
<td>Others</td>
<td>1,168</td>
<td></td>
<td>16</td>
<td>31</td>
<td>1,28</td>
</tr>
</tbody>
</table>

### Asia-Pacific

<table>
<thead>
<tr>
<th></th>
<th>Large</th>
<th>Mid</th>
<th>Small</th>
<th>Micro</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSE</td>
<td>1,022</td>
<td></td>
<td>386</td>
<td>242</td>
<td>920</td>
</tr>
<tr>
<td>ASX</td>
<td>935</td>
<td></td>
<td>145</td>
<td>135</td>
<td>920</td>
</tr>
<tr>
<td>Korea Exchange</td>
<td>3,388</td>
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<td>674</td>
<td>541</td>
<td>2,462</td>
</tr>
<tr>
<td>Others</td>
<td>1,686</td>
<td></td>
<td>619</td>
<td>149</td>
<td>1,429</td>
</tr>
</tbody>
</table>

### EAME

<table>
<thead>
<tr>
<th></th>
<th>Large</th>
<th>Mid</th>
<th>Small</th>
<th>Micro</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSE</td>
<td>693</td>
<td></td>
<td>96</td>
<td>94</td>
<td>589</td>
</tr>
<tr>
<td>Euronext</td>
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<td>27</td>
<td>858</td>
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<td>902</td>
<td>177</td>
<td>1,119</td>
</tr>
<tr>
<td>Others</td>
<td>443</td>
<td></td>
<td>85</td>
<td>63</td>
<td>370</td>
</tr>
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</table>