### Presence in International Trade Agreements

<table>
<thead>
<tr>
<th></th>
<th></th>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>LAIA</td>
<td>1981</td>
<td>2.8</td>
<td>32.5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MERCOSUR</td>
<td>1991</td>
<td>1.6</td>
<td>17.2</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CARICOM-Venezuela</td>
<td>1993</td>
<td>1.1</td>
<td>0.7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MERCOSUR-Chile</td>
<td>2000</td>
<td>0.1</td>
<td>1.2</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Chile-Venezuela</td>
<td>1993</td>
<td>0.1</td>
<td>1.2</td>
<td></td>
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</tbody>
</table>

**Mean Depth of Treaties**
- Very shallow
- Very deep

**Assumed Participation in Future Treaties**

### Welfare Effects of Different Trade Policy Scenarios

Note: Selected preferential trade agreements (PTAs) currently under consideration: the Transatlantic Trade and Investment Partnership (TTIP), the Trans-Pacific Partnership (TPP), the Regional Comprehensive Economic Partnership (RCEP) and the Free Trade Area of the Asia Pacific (FTAAP).

The thought experiment in a scenario is as follows: In the world as we observe it in the base year 2007 (data source: Global Trade Analysis Project 8.1), what would sectoral trade flows, value added embodied in those trade flows, industry-level outcomes, and aggregate welfare look like if the respective negotiating parties had – counterfactually – a PTA of the type (shallow or deep) observed in the data. TTIP is assumed to have the effects of observed deep PTAs, while TPP, RCEP and FTAAP are assumed to have the effects of observed shallow PTAs.

### Overview Trade & Openness

<table>
<thead>
<tr>
<th>Year</th>
<th>TTIP</th>
<th>TPP</th>
<th>RCEP</th>
<th>FTAAP</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>43,506</td>
<td>43,406</td>
<td>43,388</td>
<td>51,504</td>
</tr>
</tbody>
</table>

### Exports to Top 2 Export Partners 2013 (Goods)

<table>
<thead>
<tr>
<th>Product</th>
<th>Value</th>
<th>Share in %</th>
<th>Applied</th>
<th>MFN</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Petroleum oils (crude)</td>
<td>19,426</td>
<td>87</td>
<td>87</td>
<td>0.0</td>
</tr>
<tr>
<td>Petroleum oils (oth. than crude)</td>
<td>2,163</td>
<td>10</td>
<td>97</td>
<td>1.9</td>
</tr>
<tr>
<td>Acrylic alcohols</td>
<td>275</td>
<td>1</td>
<td>98</td>
<td>0.0</td>
</tr>
<tr>
<td>Gold</td>
<td>103</td>
<td>0</td>
<td>98</td>
<td>0.0</td>
</tr>
<tr>
<td>Ferrous products</td>
<td>77</td>
<td>0</td>
<td>99</td>
<td>0.0</td>
</tr>
<tr>
<td>Total</td>
<td>22,363</td>
<td>100</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

| TWN                      |       |            |         |     |
| Petroleum oils (crude)   | 21,158| 100        | 100     | 0.0 |
| Leather of bovine        | 1     | 0          | 100     | 0.0 |
| Leather of bovine        | 1     | 0          | 100     | 0.0 |
| Raw hides and skins      | 0     | 0          | 100     | 0.0 |
| Albumins                 | 0     | 0          | 100     | 16.3 |
| Total                    | 21,158| 100        | 100     |     |
### Top Trading Partners

<table>
<thead>
<tr>
<th>Nation</th>
<th>2007 Value Added (in mio.€)</th>
<th>Change with GTAP Sectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>26,889</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td>2,069</td>
<td></td>
</tr>
<tr>
<td>Spain</td>
<td>1,638</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>958</td>
<td></td>
</tr>
<tr>
<td>Belgium</td>
<td>944</td>
<td></td>
</tr>
<tr>
<td>Colombia</td>
<td>836</td>
<td></td>
</tr>
<tr>
<td>Ecuador</td>
<td>684</td>
<td></td>
</tr>
<tr>
<td>Mexico</td>
<td>601</td>
<td></td>
</tr>
<tr>
<td>United Kingdom</td>
<td>583</td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td>581</td>
<td></td>
</tr>
<tr>
<td>Rest</td>
<td>7,771</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>43,553</strong></td>
<td></td>
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</tbody>
</table>

### Import

<table>
<thead>
<tr>
<th>Nation</th>
<th>2007 Value Added (in mio.€)</th>
<th>Change with GTAP Sectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>7,283</td>
<td></td>
</tr>
<tr>
<td>Colombia</td>
<td>3,712</td>
<td></td>
</tr>
<tr>
<td>Brazil</td>
<td>3,319</td>
<td></td>
</tr>
<tr>
<td>China</td>
<td>1,990</td>
<td></td>
</tr>
<tr>
<td>Mexico</td>
<td>1,584</td>
<td></td>
</tr>
<tr>
<td>Japan</td>
<td>1,046</td>
<td></td>
</tr>
<tr>
<td>Germany</td>
<td>994</td>
<td></td>
</tr>
<tr>
<td>Korea, Rep.</td>
<td>906</td>
<td></td>
</tr>
<tr>
<td>Argentina</td>
<td>896</td>
<td></td>
</tr>
<tr>
<td>Italy</td>
<td>880</td>
<td></td>
</tr>
<tr>
<td>Rest</td>
<td>8,709</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>31,318</strong></td>
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### Sectoral Value Added and its Growth with Different Trade Policy Scenarios

<table>
<thead>
<tr>
<th>GTAP Sectors</th>
<th>Value Added (2007) (in mio.€)</th>
<th>Share %</th>
<th>Change with GTAP Sectors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mining</td>
<td>34,217</td>
<td>22.02</td>
<td></td>
</tr>
<tr>
<td>Other services</td>
<td>21,768</td>
<td>14.01</td>
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</tr>
<tr>
<td>Trade</td>
<td>15,777</td>
<td>10.15</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>11,604</td>
<td>7.53</td>
<td></td>
</tr>
<tr>
<td>Business services</td>
<td>9,895</td>
<td>6.37</td>
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<tr>
<td>Agriculture &amp; Food</td>
<td>8,820</td>
<td>5.68</td>
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<tr>
<td>Dwellings</td>
<td>6,866</td>
<td>4.42</td>
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<tr>
<td>Food, processed</td>
<td>6,406</td>
<td>4.12</td>
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<tr>
<td>Chemicals</td>
<td>4,713</td>
<td>3.03</td>
<td></td>
</tr>
<tr>
<td>Transport nec</td>
<td>4,195</td>
<td>2.70</td>
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<tr>
<td>Electricity</td>
<td>4,114</td>
<td>2.65</td>
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<tr>
<td>Financial services</td>
<td>3,542</td>
<td>2.28</td>
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<tr>
<td>Communication</td>
<td>3,534</td>
<td>2.27</td>
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<tr>
<td>Recreational services</td>
<td>2,650</td>
<td>1.71</td>
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<tr>
<td>Paper</td>
<td>2,136</td>
<td>1.37</td>
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<tr>
<td>Textiles</td>
<td>1,853</td>
<td>1.19</td>
<td></td>
</tr>
<tr>
<td>Petroleum</td>
<td>1,777</td>
<td>1.14</td>
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</tr>
<tr>
<td>Machinery nec</td>
<td>1,559</td>
<td>1.00</td>
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</tr>
<tr>
<td>Metal products</td>
<td>1,531</td>
<td>0.99</td>
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</tr>
<tr>
<td>Mineral products</td>
<td>1,439</td>
<td>0.93</td>
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<tr>
<td>Motor vehicles</td>
<td>1,340</td>
<td>0.86</td>
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<tr>
<td>Manufactures nec</td>
<td>1,218</td>
<td>0.78</td>
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<tr>
<td>Ferrous metals</td>
<td>966</td>
<td>0.62</td>
<td></td>
</tr>
<tr>
<td>Leather</td>
<td>719</td>
<td>0.46</td>
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<tr>
<td>Metals nec</td>
<td>633</td>
<td>0.41</td>
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<tr>
<td>Insurance</td>
<td>597</td>
<td>0.38</td>
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<tr>
<td>Water transport</td>
<td>466</td>
<td>0.30</td>
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<tr>
<td>Wood</td>
<td>351</td>
<td>0.23</td>
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</tr>
<tr>
<td>Water</td>
<td>279</td>
<td>0.18</td>
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<tr>
<td>Air transport</td>
<td>174</td>
<td>0.11</td>
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<tr>
<td>Gas</td>
<td>151</td>
<td>0.10</td>
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</tr>
<tr>
<td>Electronics</td>
<td>11</td>
<td>0.01</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>155,390</strong></td>
<td>100.00</td>
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