Practical Challenge: the 7 Kinds of Data Stories
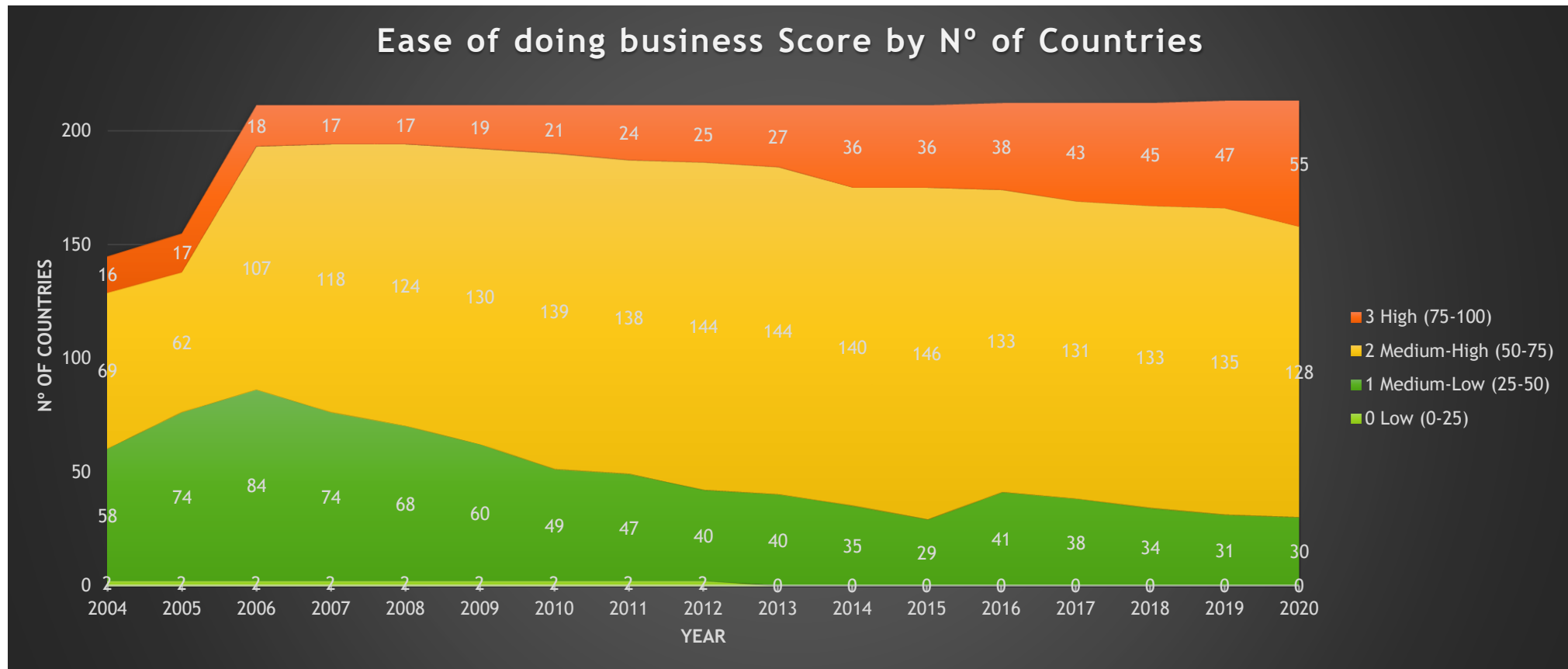
Alejandro C Parra Garcia

Source: Ease of doing business

- https://www.doingbusiness.org/en/doingbusiness
- https://www.doingbusiness.org/content/dam/doingBusiness/excel/db2020/Historical-data---COMPLETE-dataset-with-scores.xlsx

Change Over Time

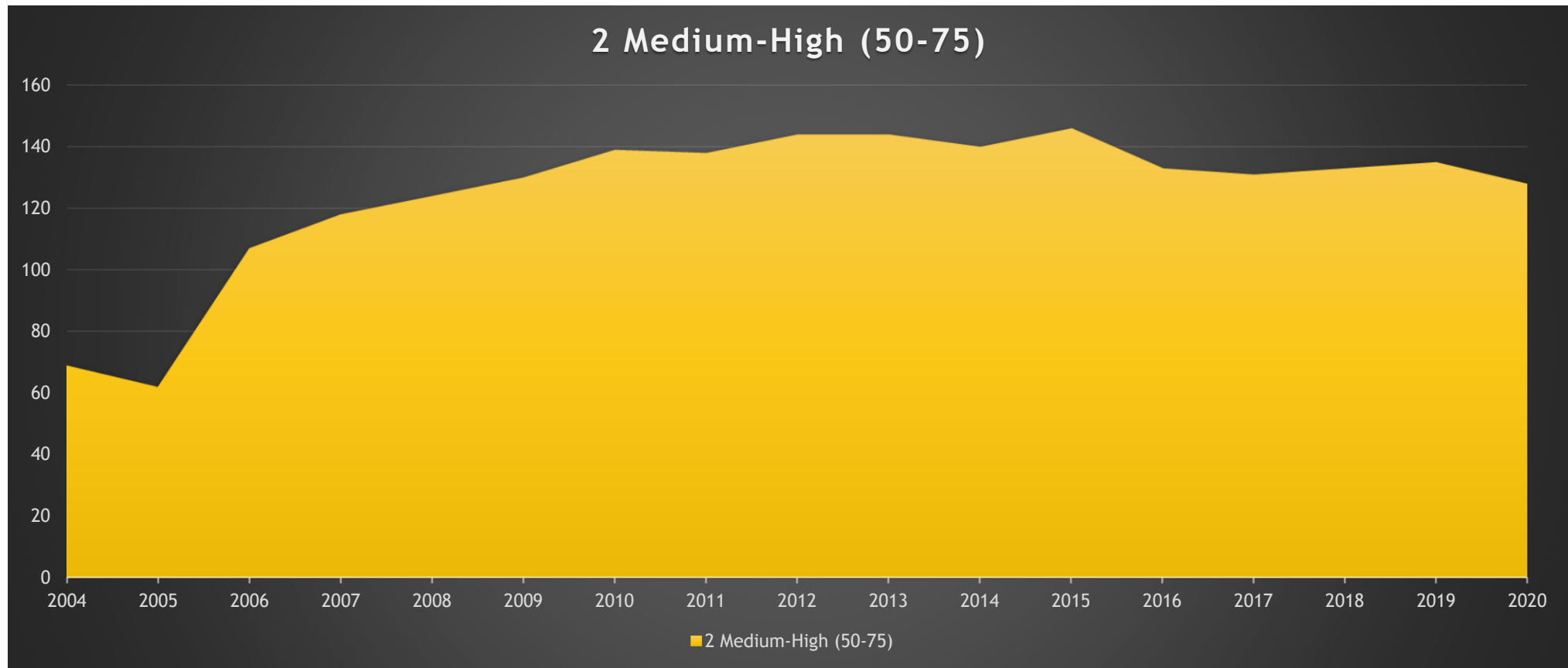**Ease of doing business Score by N° of Countries**

Only 2 Countries on Low, until 2012.
2004: Cambodia and Angola
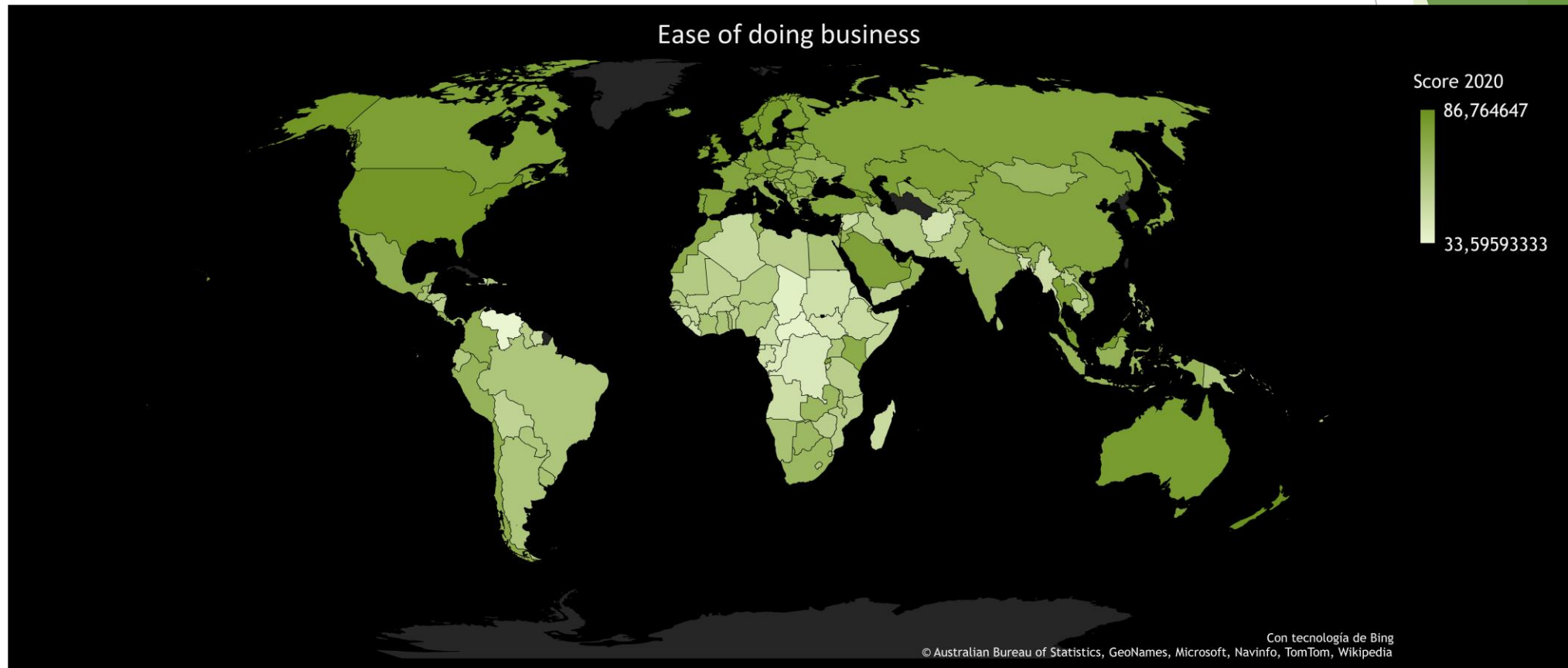2005: Timor-Leste and Angola
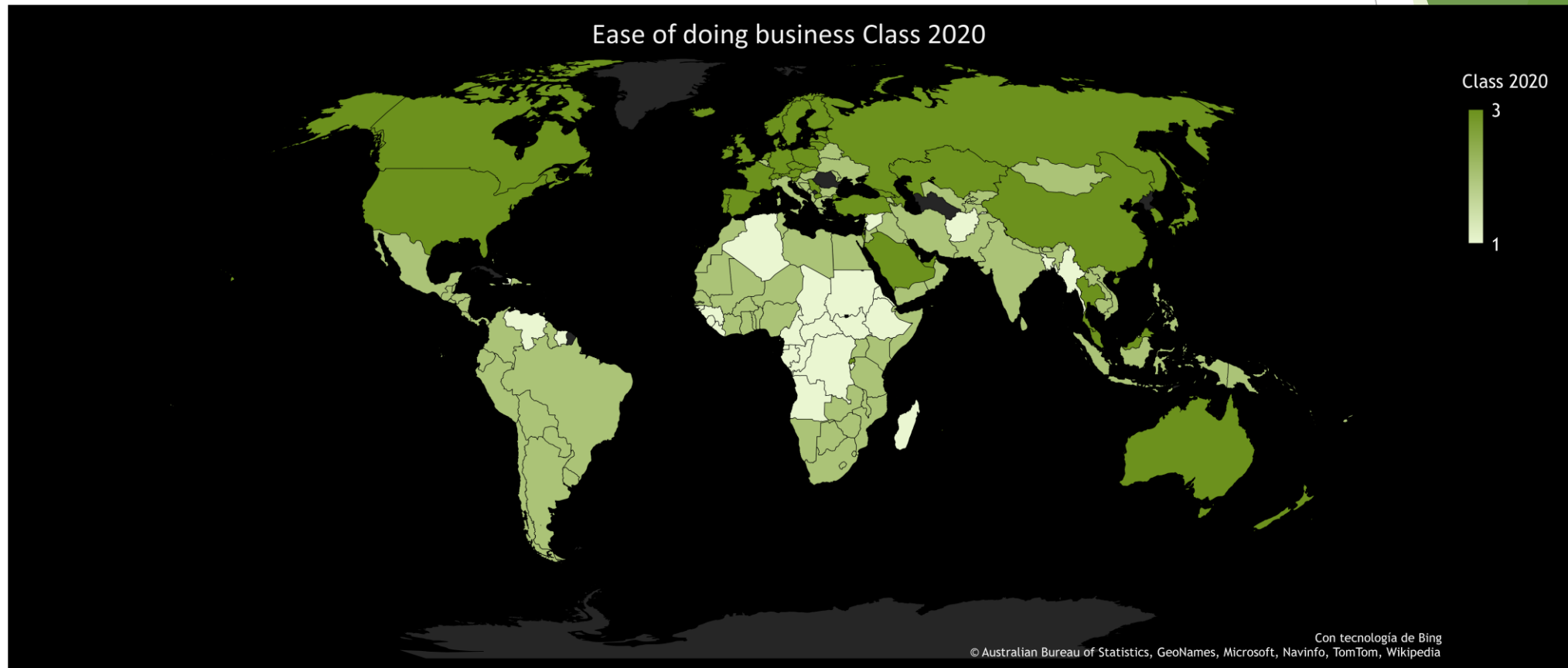2006-2012: Libya and Myanmar

Change Over Time

Change Over Time

- Increase in the Nº of countries with High Scores
- Nº of countries Medium-High Scores remain Stable, between 120-140
- Decrease in the number of countries with Medium-Low Scores

Drill Down

Ease of doing business

Score 2020
86,764647

33,59593333

Drill Down

Ease of doing business Class 2020

Class 2020
3
1

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1: Medium Low (25-50)
2: Medium High (50-75)
3: High (75-100)

Drill Down

Ease of doing business Latin America & Caribbean

Score 2020
75,70106
33,59593333

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Lowest: Venezuela

Drill Down

Ease of doing business OCDE

Score 2020
86,764647
68,423916

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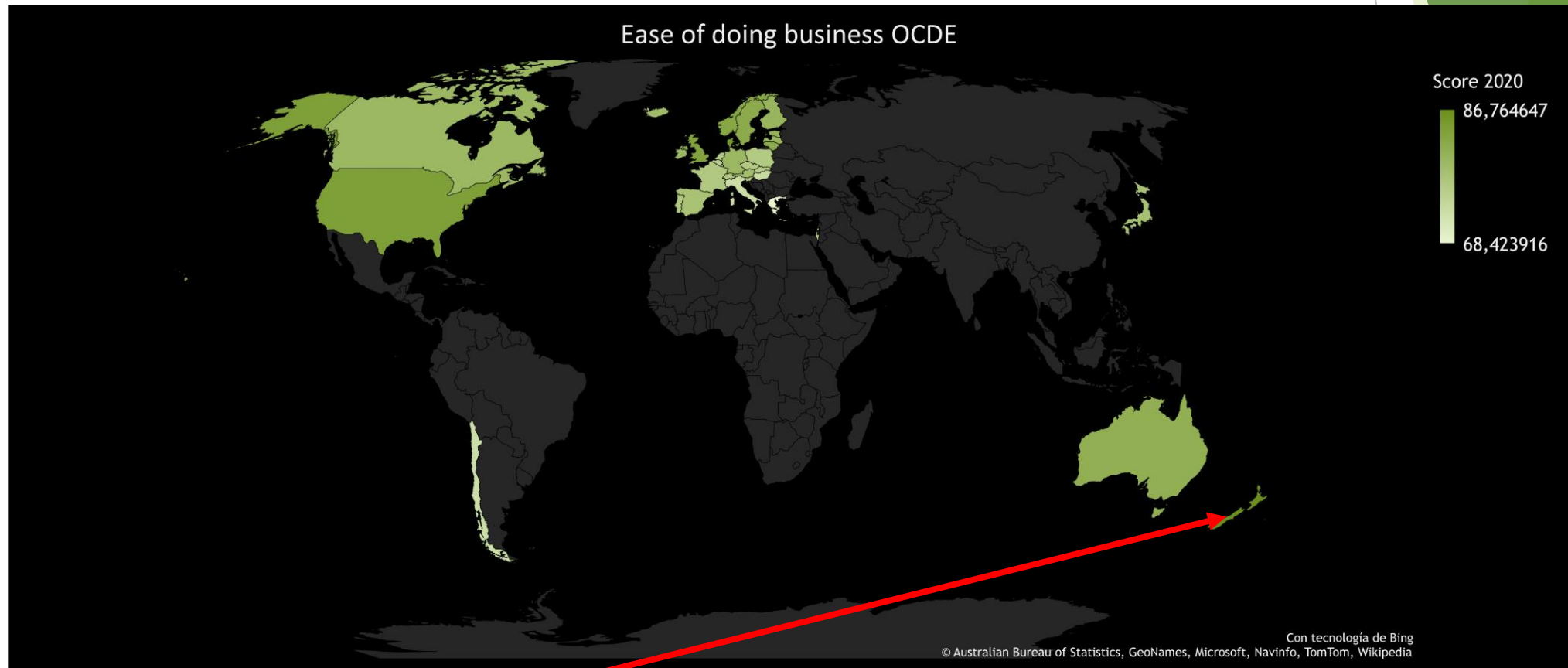
Highest: New Zeeland

Drill Down

- The highest Scores are in Europe, North America, East Asia and Oceania
- Lowest Scores are in South America, Caribbean, South Asia and Africa
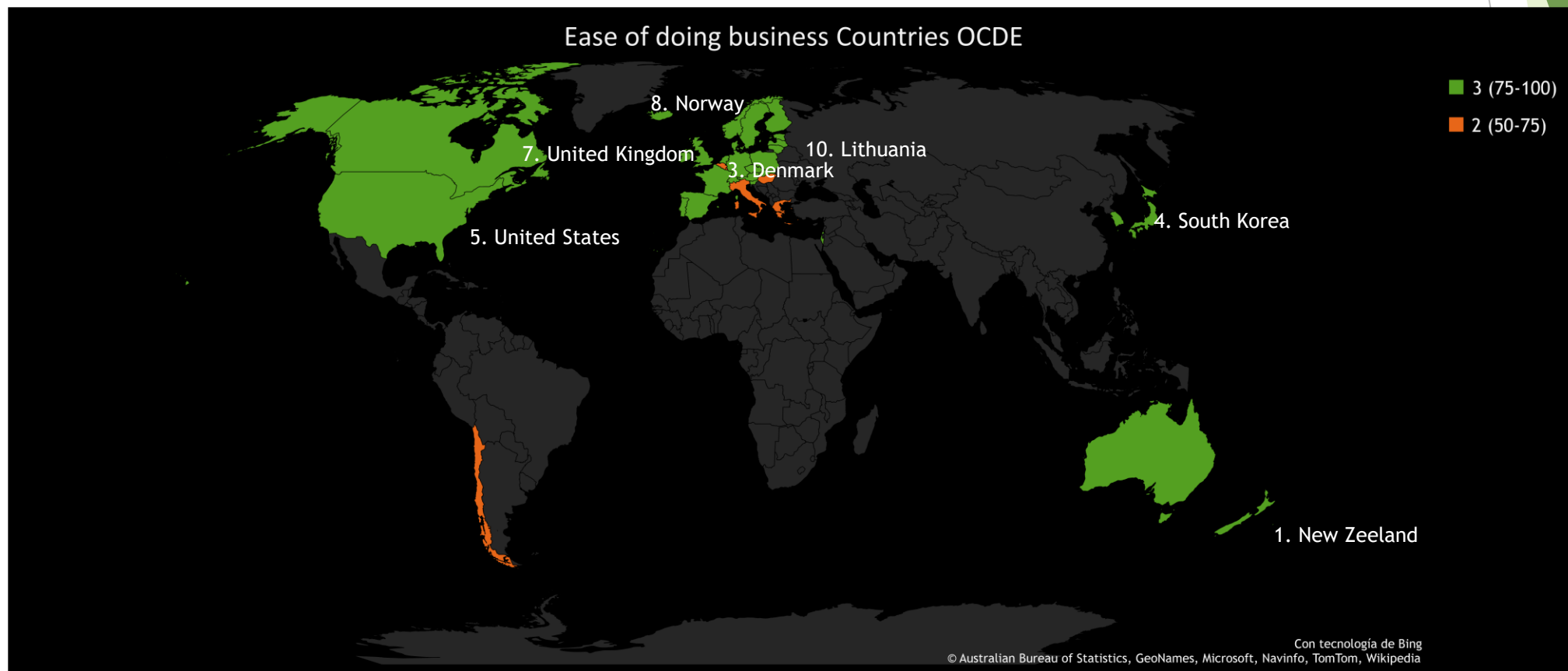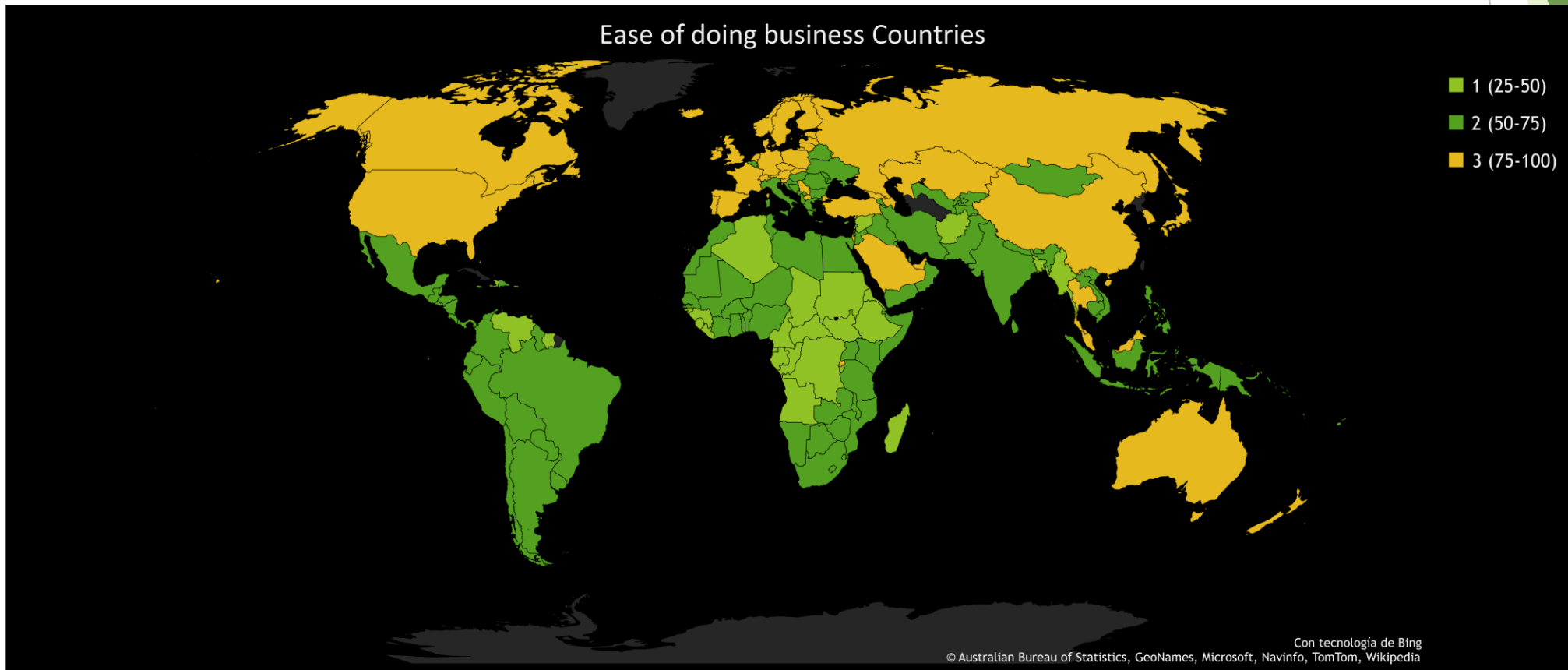- Highest Score is New Zeeland
- Lowest Score is Venezuela

Zoom Out

Zoom Out

Ease of doing business Countries. Top 10

Zoom Out

Ease of doing business Countries OCDE

Zoom Out

Ease of doing business Countries

- 1 (25-50)
- 2 (50-75)
- 3 (75-100)

Con tecnología de Bing
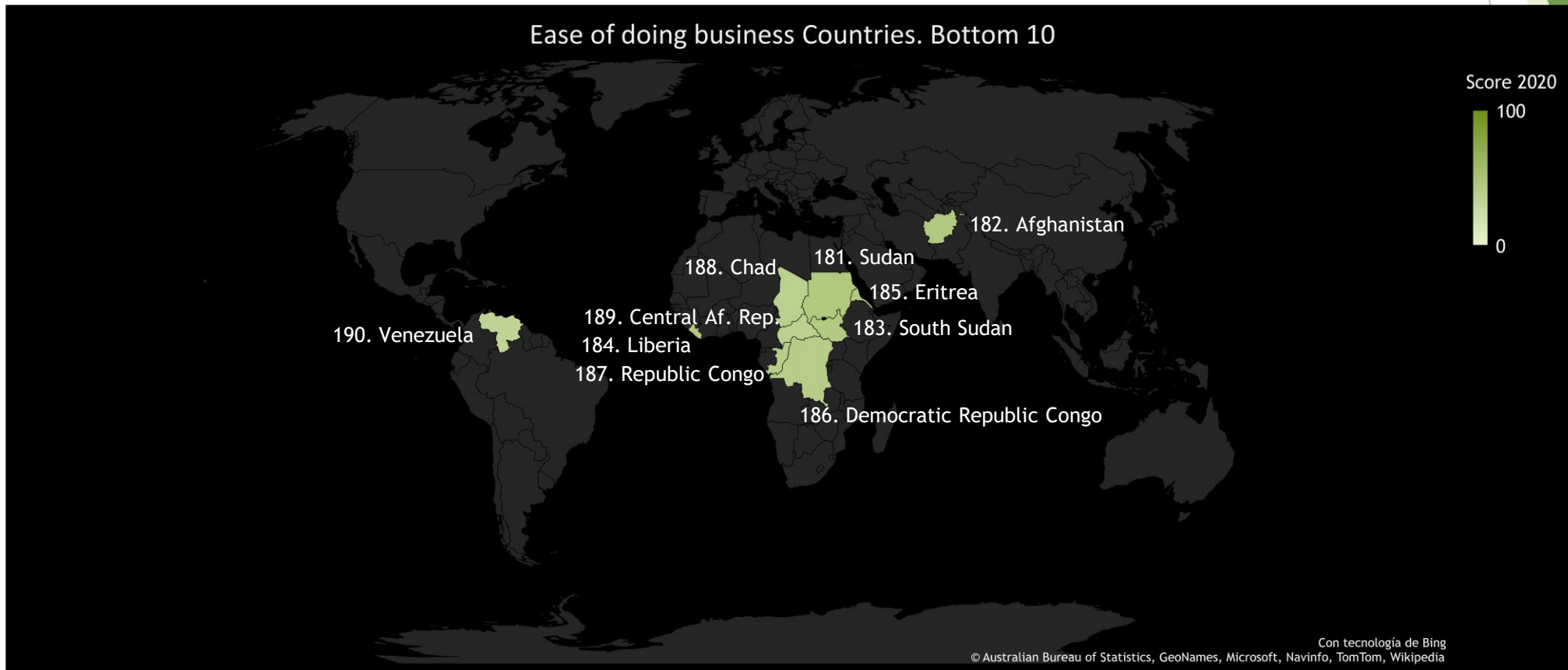© Australian Bureau of Statistics, GeoNames, Microsoft, Navinfo, TomTom, Wikipedia

Zoom Out

- Best Countries are New Zeeland, Singapore, and Denmark.
- 8 out of the top 10 are in the OCDE
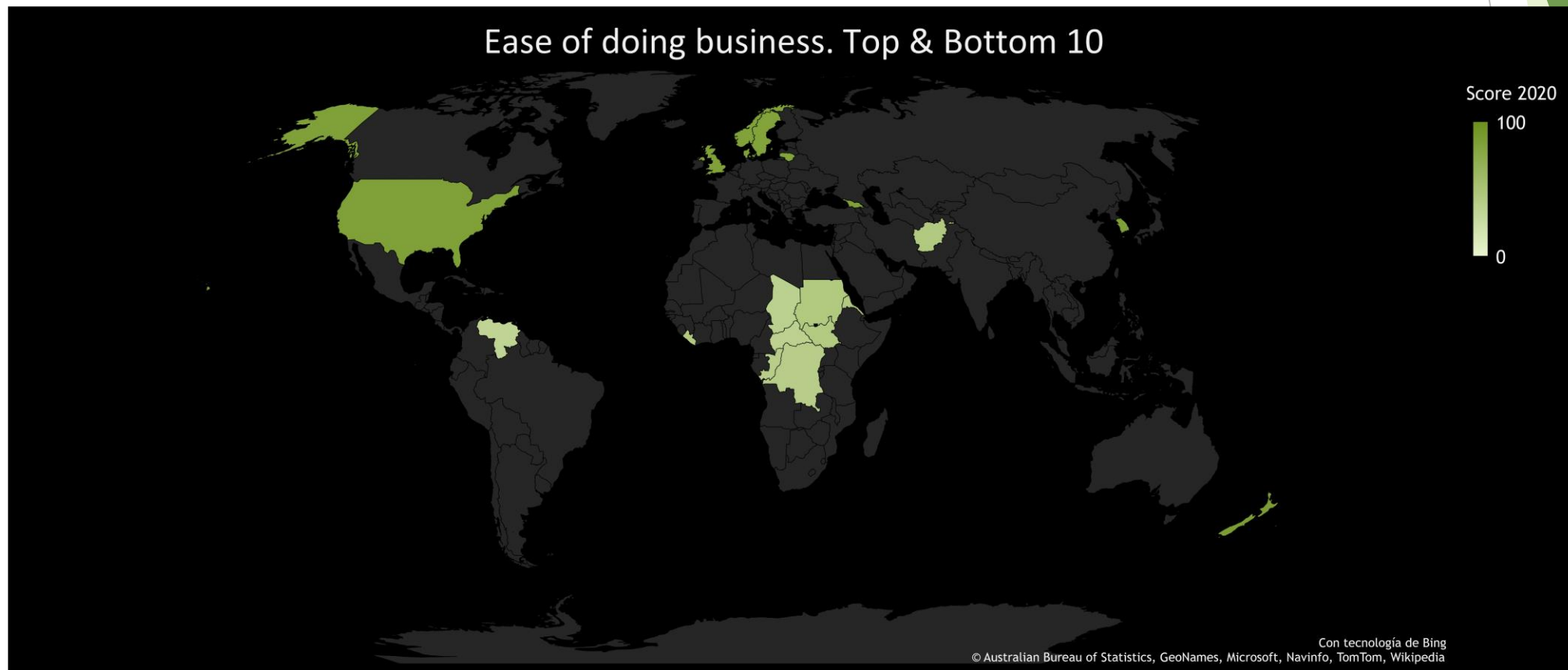- 28 out of 34 OCDE countries have a score of 75-100

Contrast

Ease of doing business Countries. Top 10

8. Norway
9. Sweden
7. United Kingdom
10. Lithuania
3. Denmark
6. Georgia
5. United States
4. South Korea
2. Singapore
1. New Zeeland

Score 2020
100
0

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Contrast

Ease of doing business Countries. Bottom 10

Contrast

Ease of doing business. Top & Bottom 10

Score 2020
100

0

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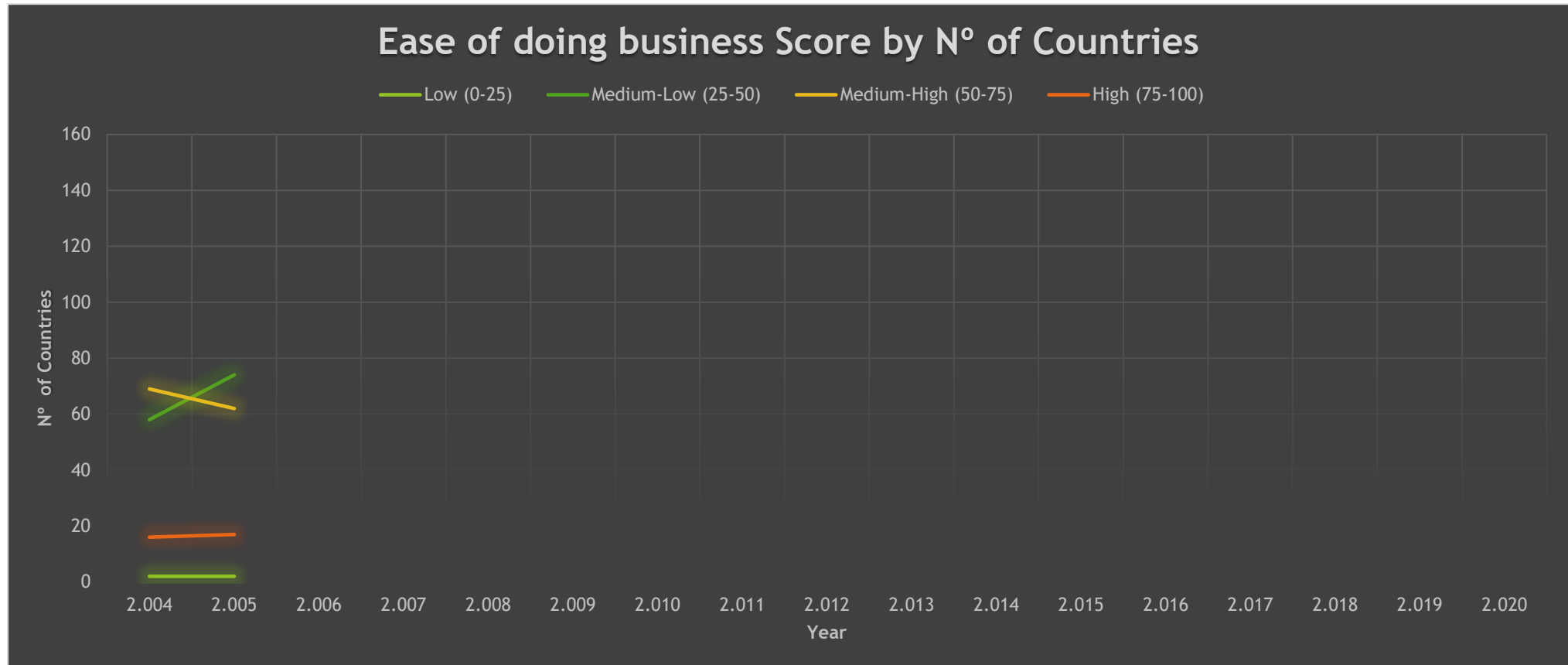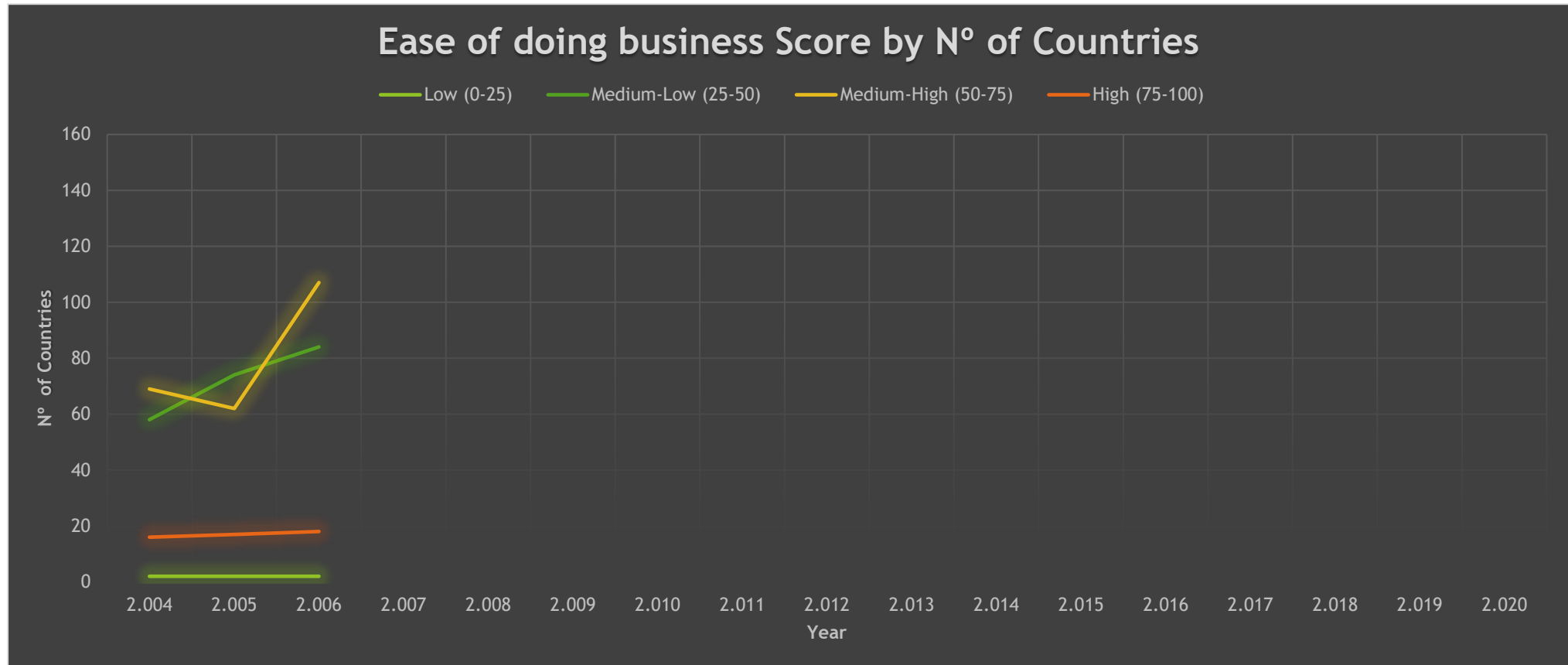
Contrast

- We see that the top 10 countries are in North America, Europe, East Asia or Oceania

- We see that the bottom 10 countries are in Africa, south America, and central Asia

- Biggest concentration of top 10 countries is in Northern Europe

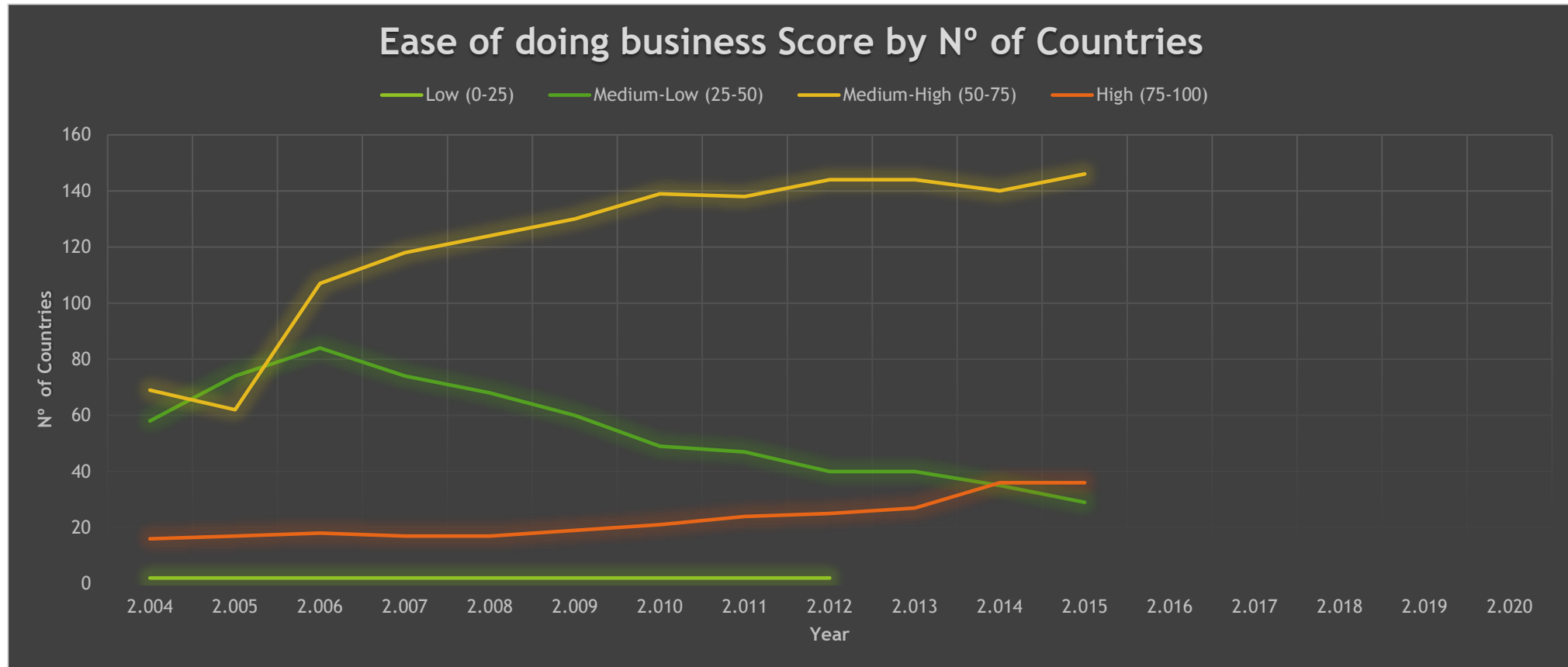- Biggest concentration of bottom 10 countries is in Central Africa

Intersections

Between 2004-2005, the category Medium-Low surpassed the category Medium-High.
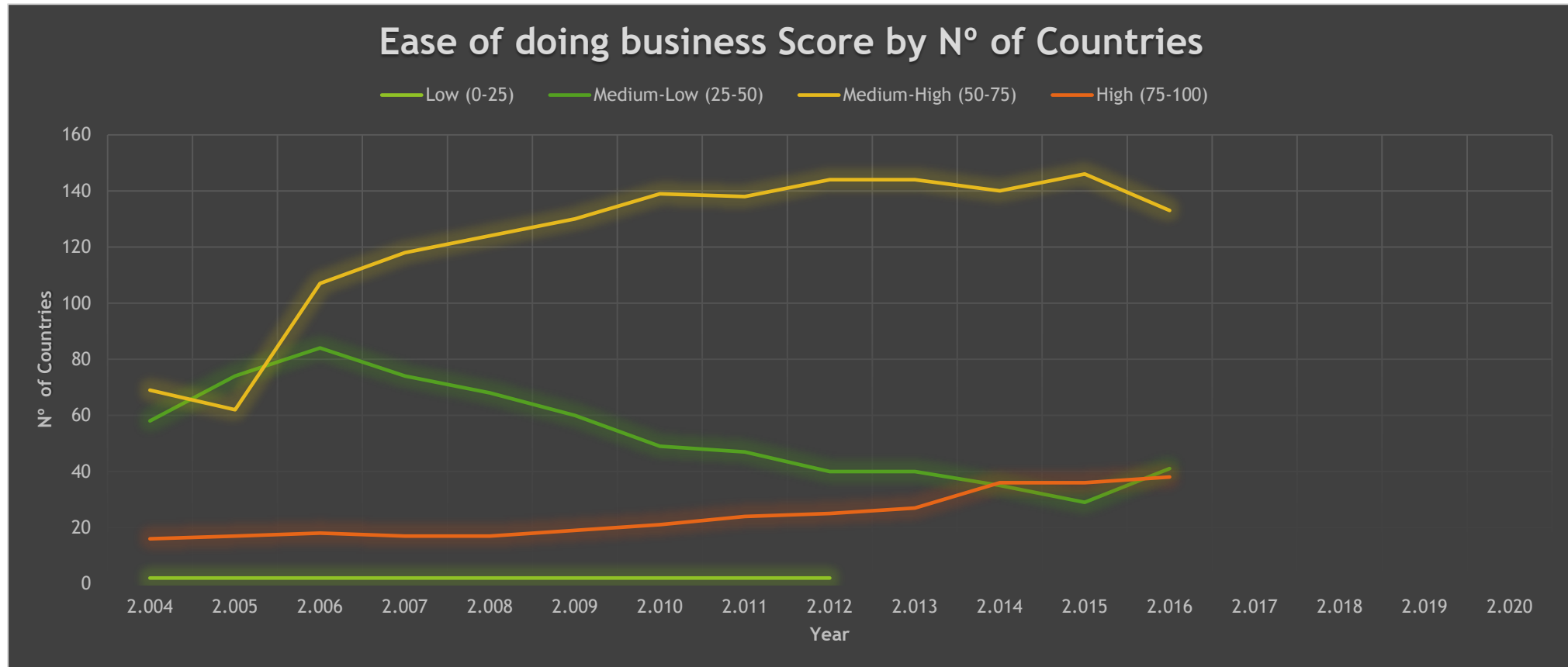
Intersections

Ease of doing business Score by N° of Countries

Low (0-25)　　Medium-Low (25-50)　　Medium-High (50-75)　　High (75-100)

One year later the positions got reverse, Medium-High Scores was the biggest class.

Intersections

Ease of doing business Score by N° of Countries

Low (0-25) Medium-Low (25-50) Medium-High (50-75) High (75-100)

Medium-Low Scores decrease every year, until it was overtaken by High Scores in 2015. 2012 was the last year with Low scores.

Intersections

Ease of doing business Score by N° of Countries

Low (0-25) — Medium-Low (25-50) — Medium-High (50-75) — High (75-100)
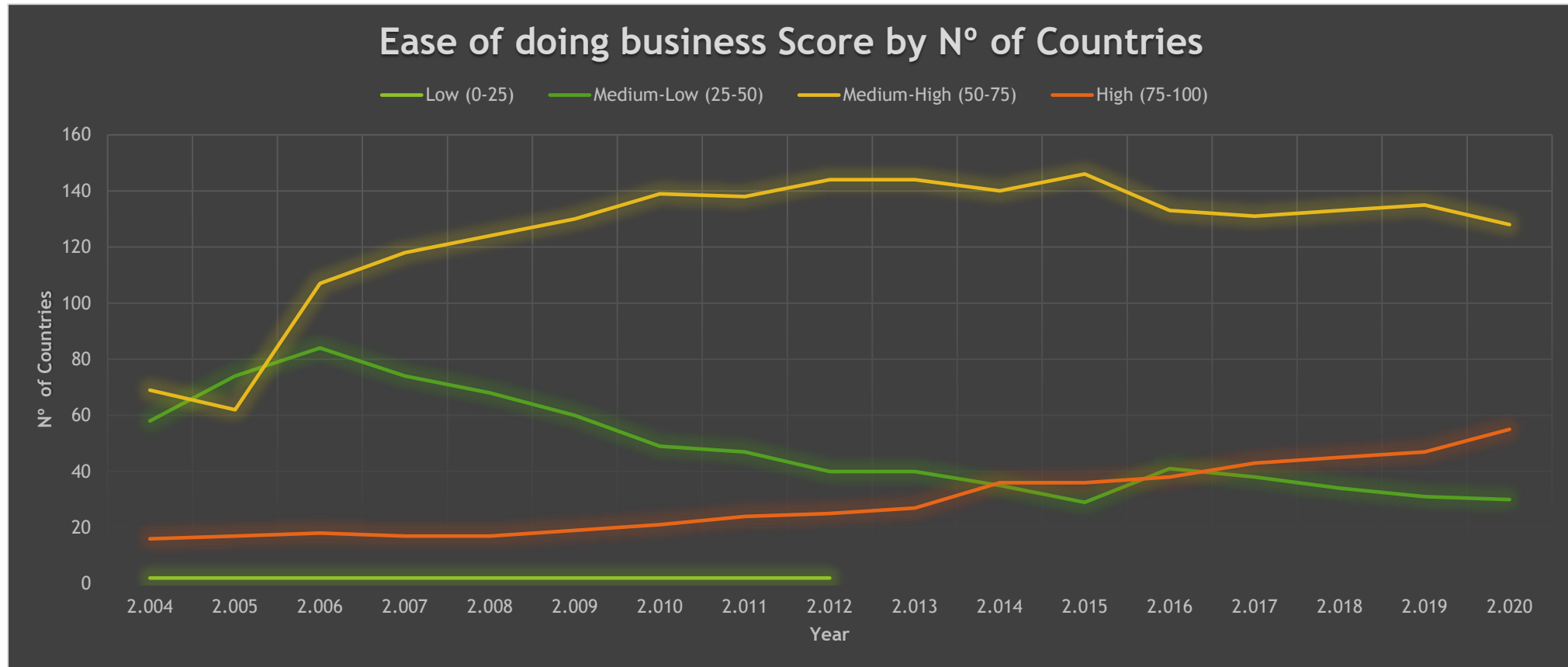
One year later, in 2016 the positions got reverse again. Because of the change of some countries from Medium-High Scores to Medium-Low Scores.

Intersections

Ease of doing business Score by N° of Countries
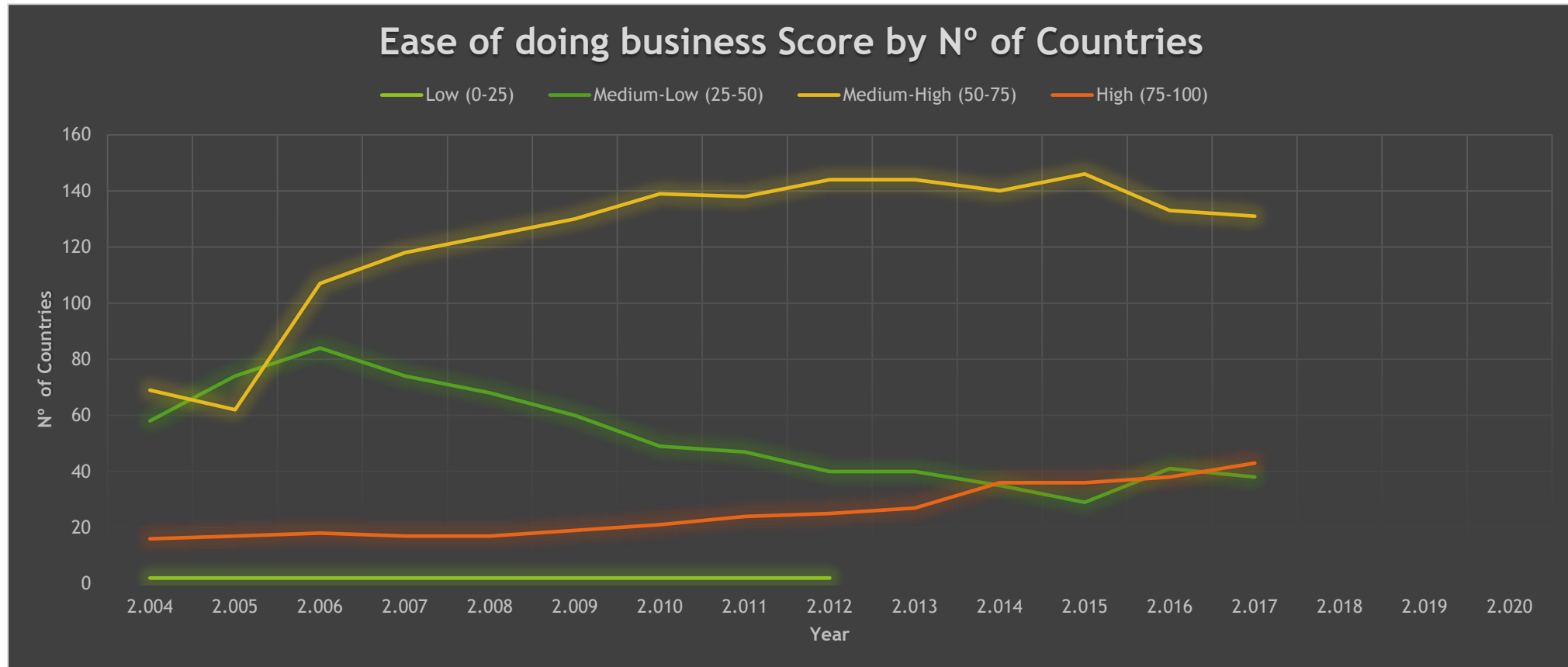
One year later, in 2017 the positions got reverse again. Due to the decrease in Medium-Low Scores and the increase in High Scores
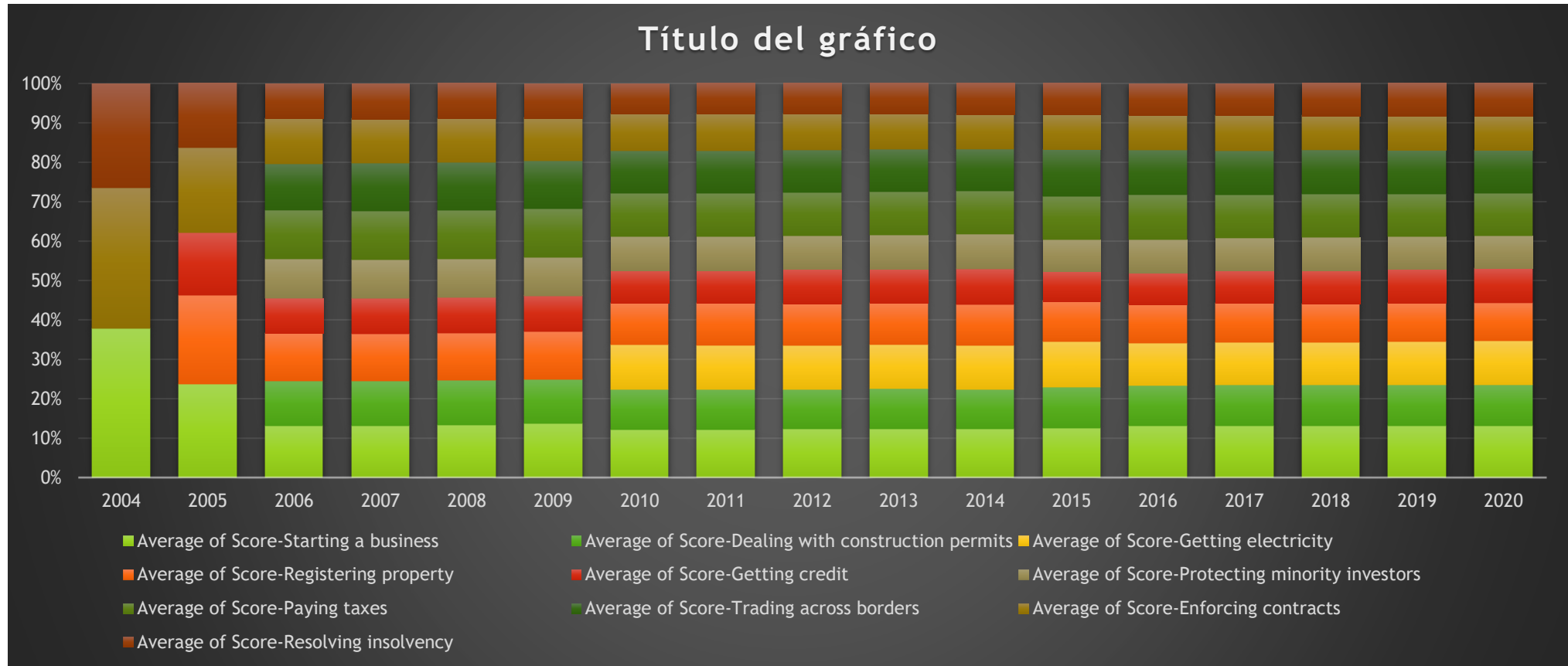
Intersections

Ease of doing business Score by N° of Countries

— Low (0-25) — Medium-Low (25-50) — Medium-High (50-75) — High (75-100)

No more intersections occur. High Scores kept growing, while Medium-Low Scores kept decreasing.

Factors

Factors

Factors

Average Factors

- Starting a business
- Dealing with construction permits
- Getting electricity
- Registering property
- Getting credit
- Protecting minority investors
- Paying taxes
- Trading across borders
- Enforcing contracts
- Resolving insolvency
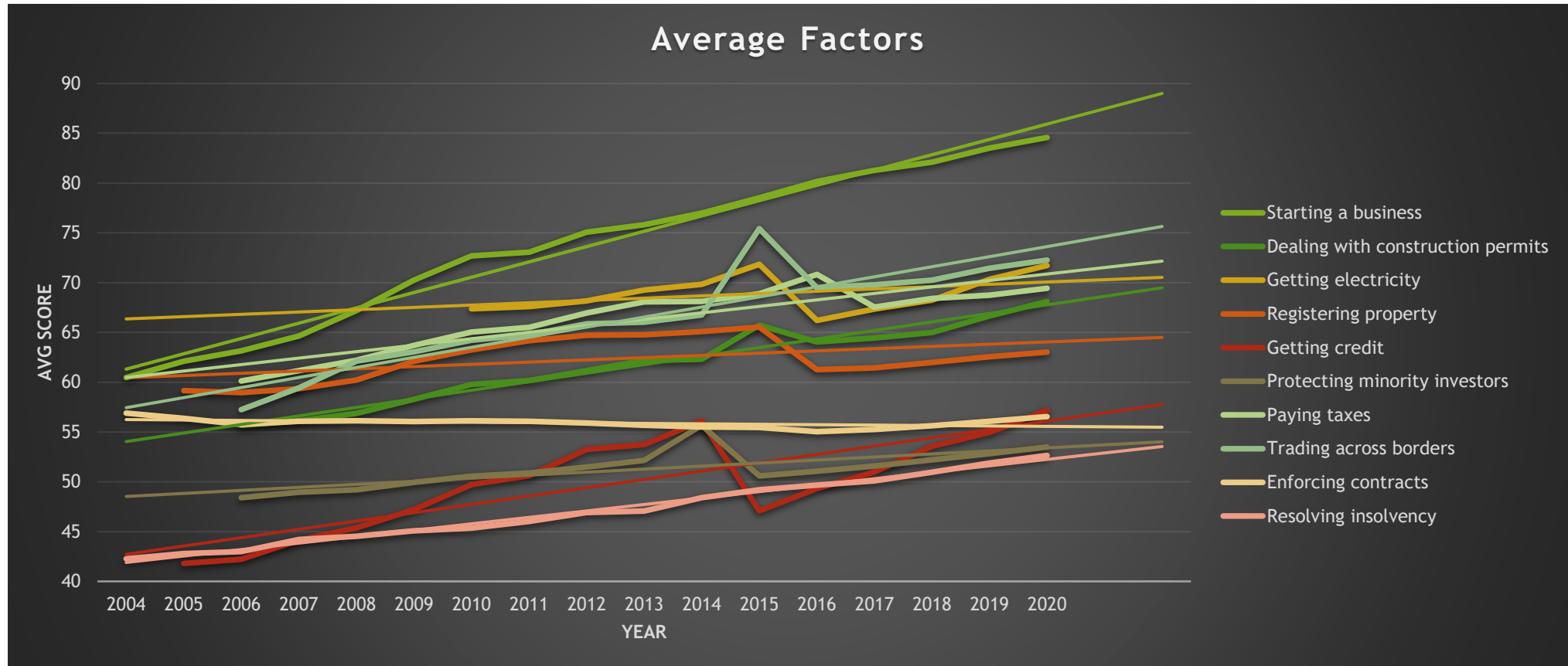
Factors

▶ The Average Score is Growing(21,96% From first to last year)

▶ Almost all of the Factors are Growing

▶ Only Enforcing Contrast is decreasing (-0.61% From first to last year)

▶ Fastest Growing: Starting a business(39.87%), Getting credit (36.81%), Trading across borders(26.23%), Resolving insolvency(24.57%), Dealing with construction permits(22.28%)

Outliers

Outliers of Ease of doing business by Region
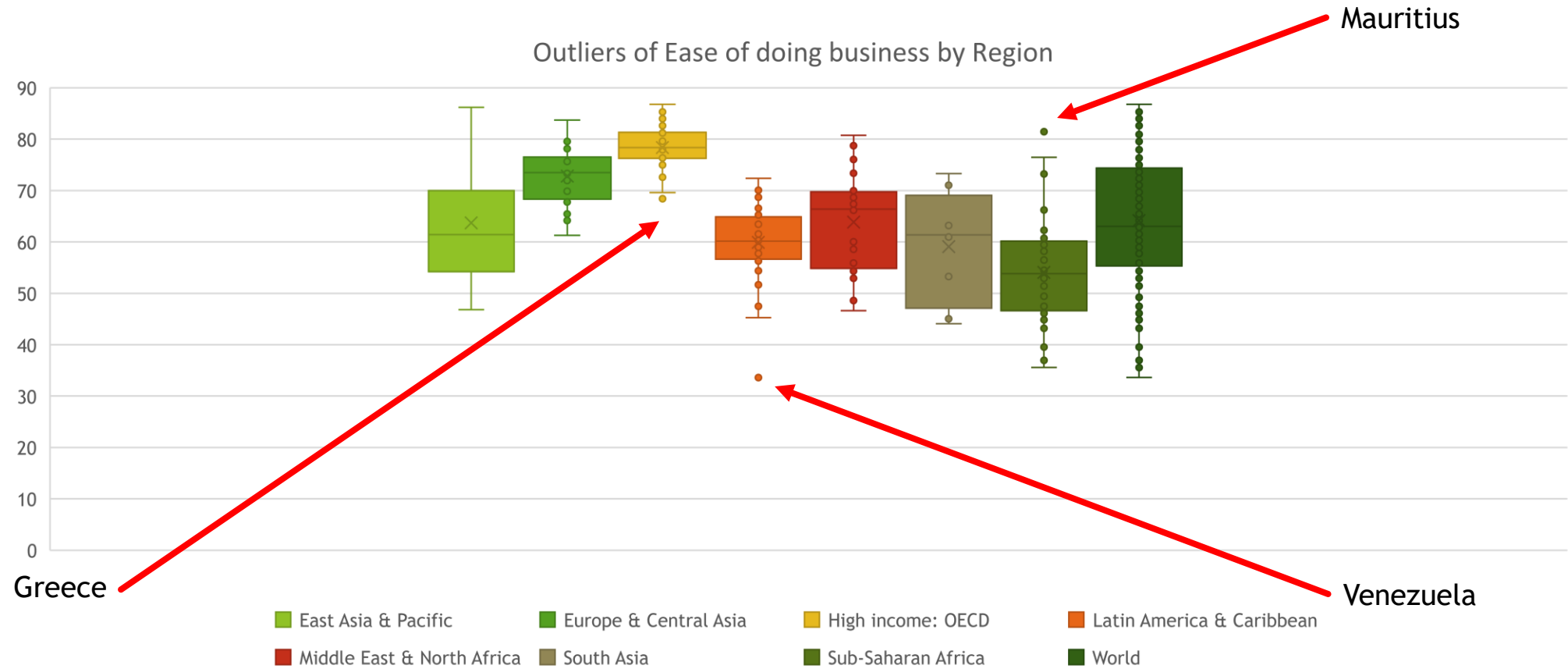
Outliers

- If we look at the world as a whole, we see there is no outliers.
- If we look by regions, there are 3 outliers. Mauritius, Venezuela and Greece.
- Mauritius is better than it region
- Venezuela and Greece are worst than its regions