

MSCI, MCO, SPGI, ICE and CME Analysis

MSCI

MSCI is a financial services company that provides equity, fixed income, and multi-asset indices.

MSCI is headquartered in New York and has offices worldwide.

MSCI's main competitors include S&P Global, FTSE Russell, and Bloomberg.

MSCI has a global market share of approximately 40% in the equity indices segment and 30% in the fixed income indices segment.

MCO

MCO is a financial services company that provides financial market data and analysis.

MCO is headquartered in London and has offices worldwide.

MCO's main competitors include Bloomberg, Thomson Reuters, and FactSet.

MCO has a global market share of around 20% in the financial data segment.

SPGI

S&P Global is a financial services company that provides data, analysis, and information on financial markets.

S&P Global is headquartered in New York and has offices worldwide.

S&P Global's main competitors include MSCI, FTSE Russell, and Bloomberg.

S&P Global has a global market share of about 30% in the financial data segment.

ICE

ICE is a financial services company that operates in the derivatives, futures, and options markets.

ICE is headquartered in New York and has offices worldwide.

ICE's main competitors include CME Group, Intercontinental Exchange, and Nasdaq.

ICE has a global market share of approximately 30% in the derivatives markets.

CME

CME Group is a financial services company that operates in the futures, options, and derivatives markets.

CME Group is headquartered in Chicago and has offices worldwide.

CME Group's main competitors include ICE, Intercontinental Exchange, and Nasdaq.

CME Group has a global market share of about 20% in the derivatives markets.

Relationship between the companies:

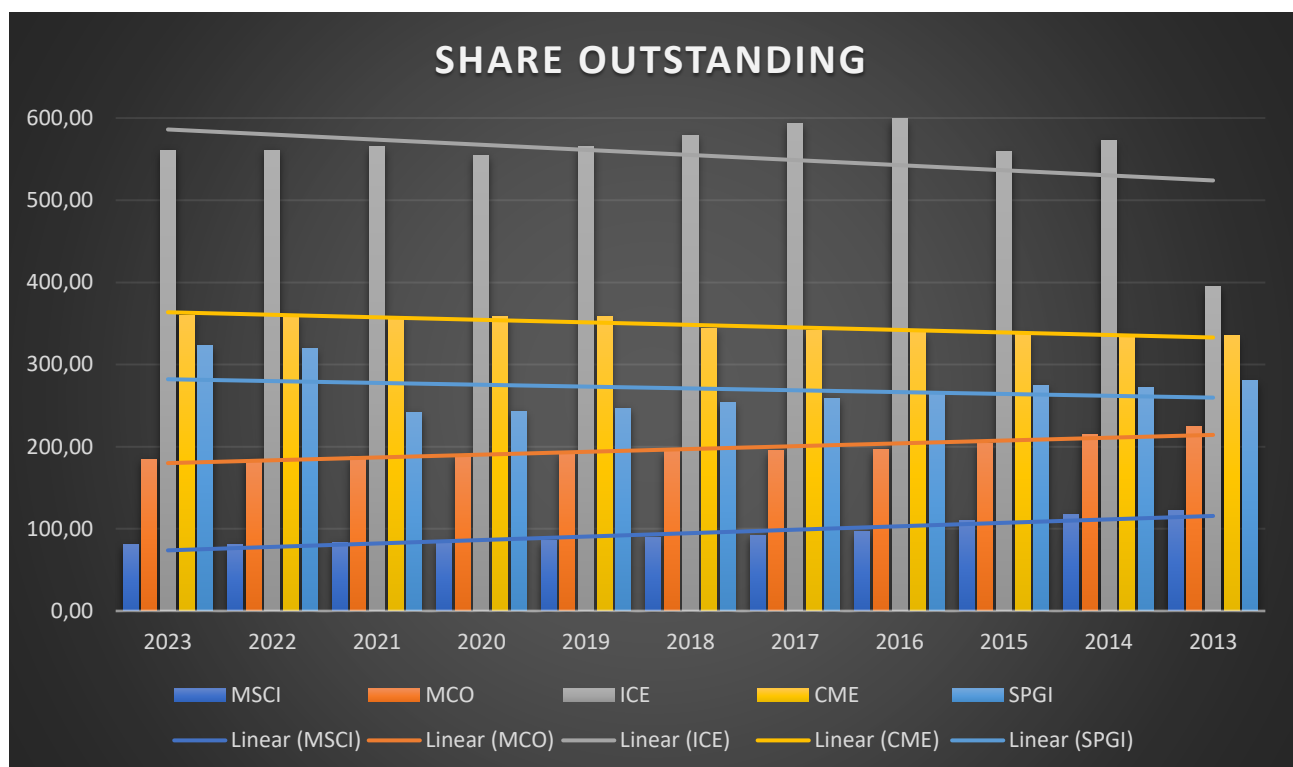
MSCI, MCO, SPGI, ICE, and CME are all financial services companies operating in financial markets. Although they offer different products and services, they are competitors in some market segments.

For example, MSCI, MCO, and S&P Global are all competitors in the financial indices segment. ICE and CME, on the other hand, are competitors in the derivatives markets segment.

The market share of each company varies depending on the market segment. MSCI and S&P Global are market leaders in the equity indices segment, while ICE and CME are market leaders in the derivatives markets segment.

QUANTITATIVE ANALYSIS; FUNDAMENTALS

SHARE OUTSTANDING



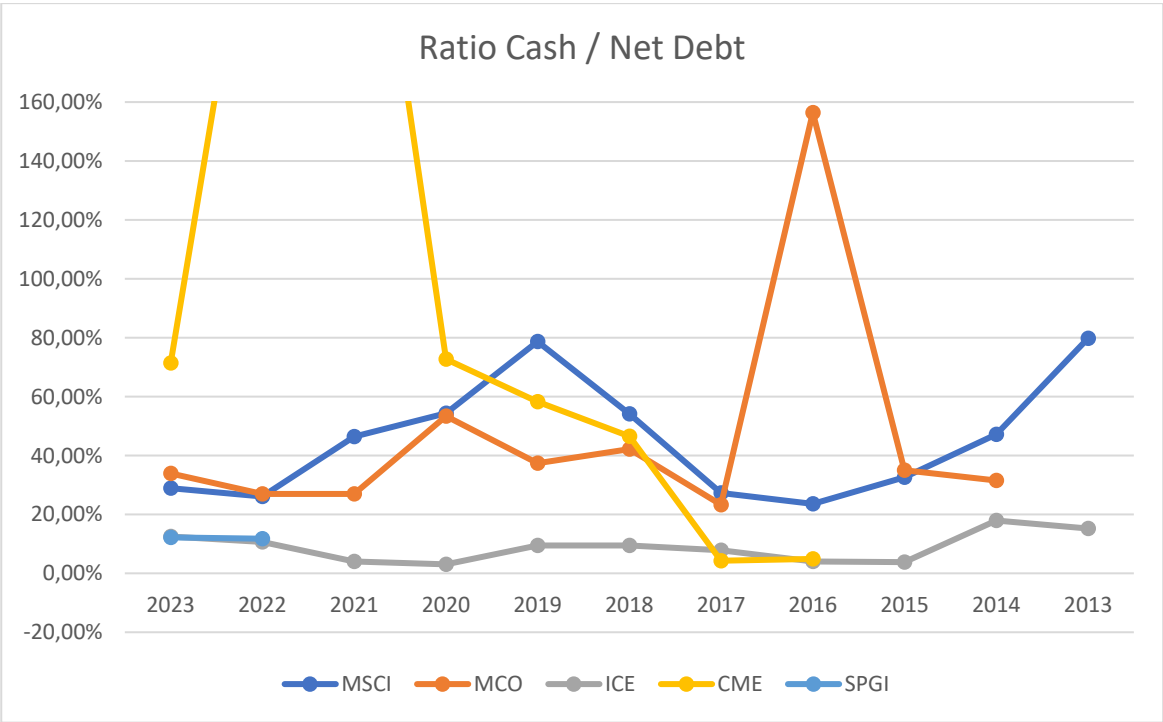
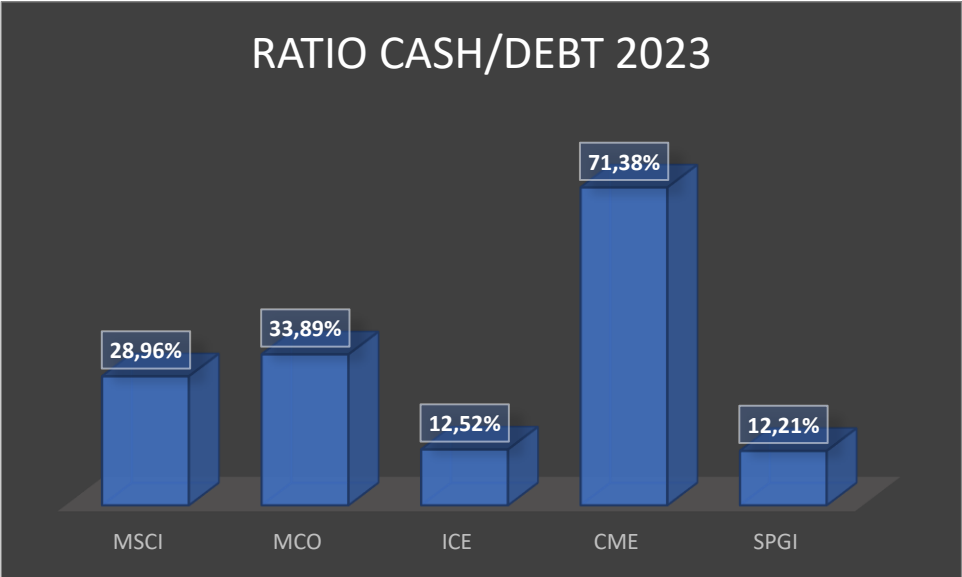
MSCI has seen the best decreasing in share outstanding.

MCO has seen constant share outstanding decline.

ICE and CME have shown constant amount of share outstanding.

Shares Outstanding	10y	5y
MSCI	-34,02%	-10,28%
MCO	-17,41%	-5,13%
ICE	42,03%	-3,11%
CME	7,46%	4,65%
SPGI	15,36%	27,17%

Cash and Net Debt

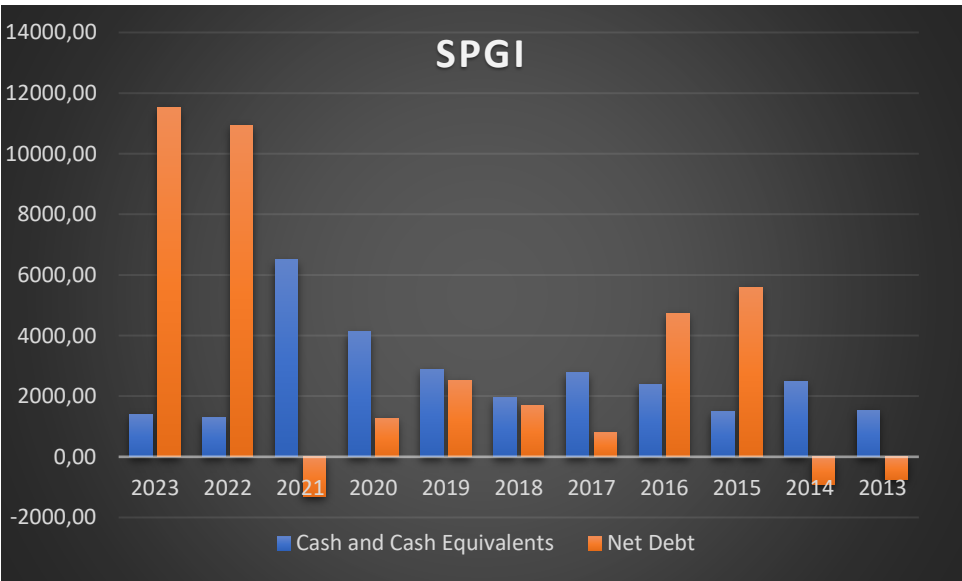
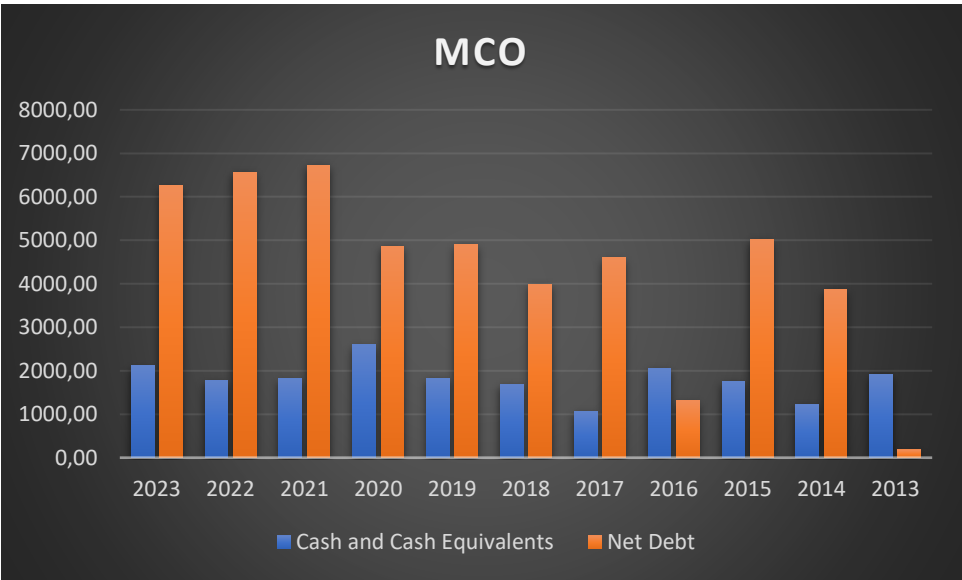
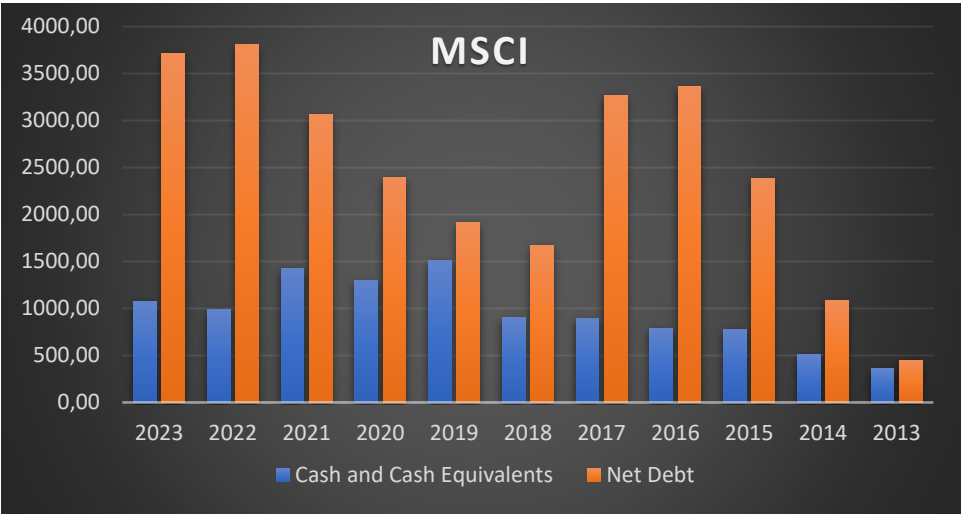


Histocal values needed to be cut because they were too noisy.

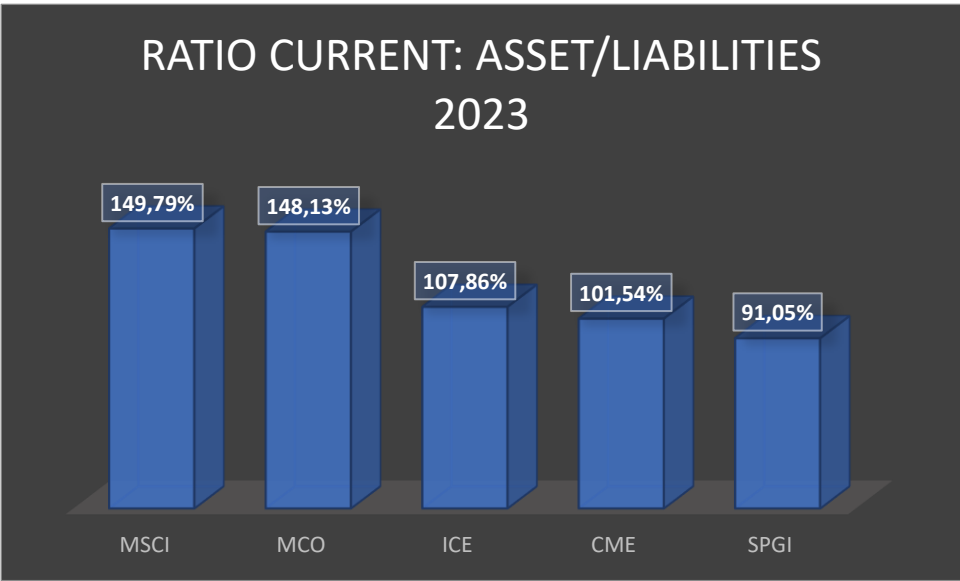
The higher the better this value is.

Every company is not covered, CME has a 71% cover, while the worse is SPGI with

Focus on MCO, MSCI and SPGI:



Current Assets and Current Liabilities

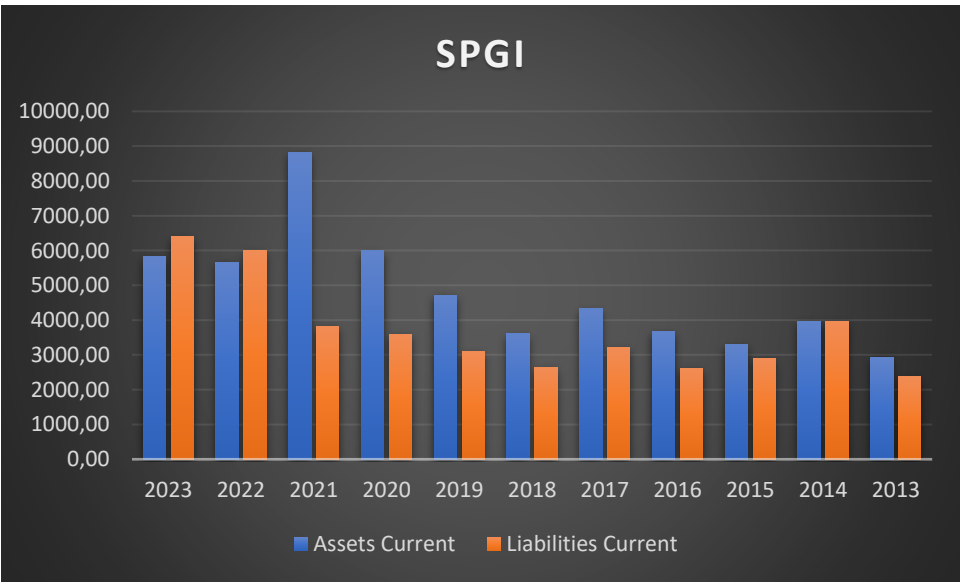
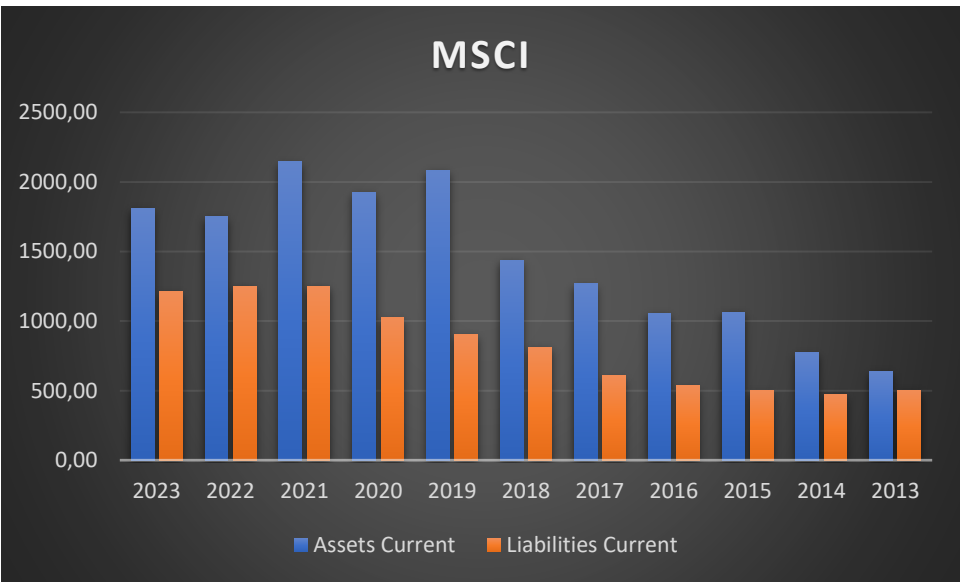


This ratio tells us about companies' health status:

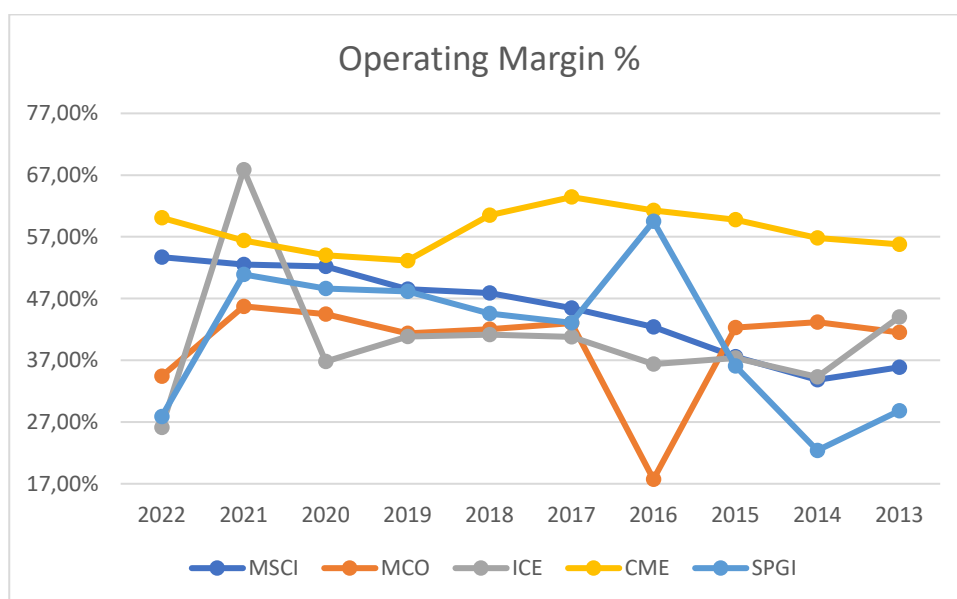
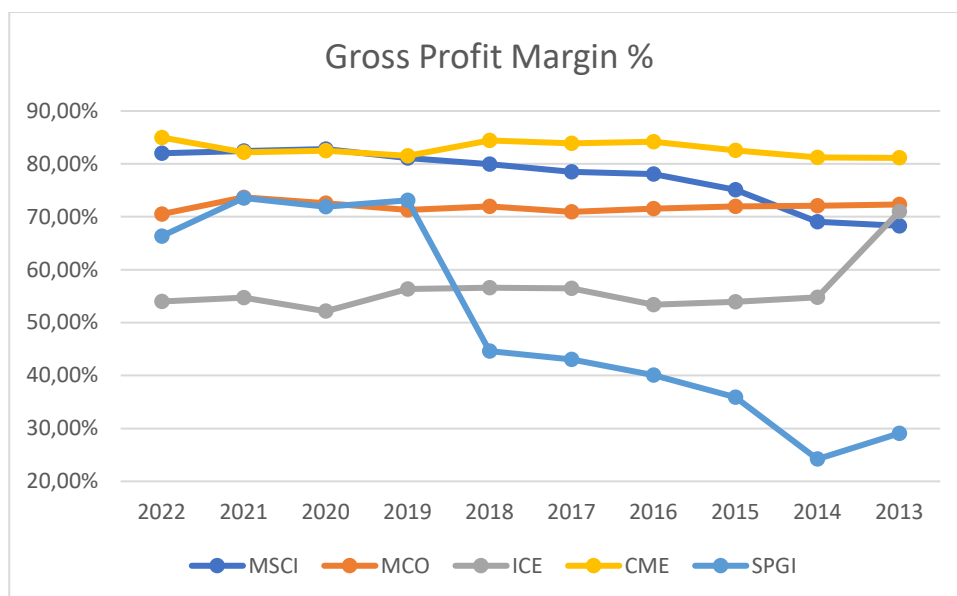
the higher the better.

MSCI and MCO are very healthy, followed by ICE and CME.

SPGI's current assets don't cover current liabilities.



MARGINS:



SPGI has increased both gross and operating margins overtime (2022 dropped...)

CME got very good margins.

MSCI is increasing its margins while having a good increase in Net income too.

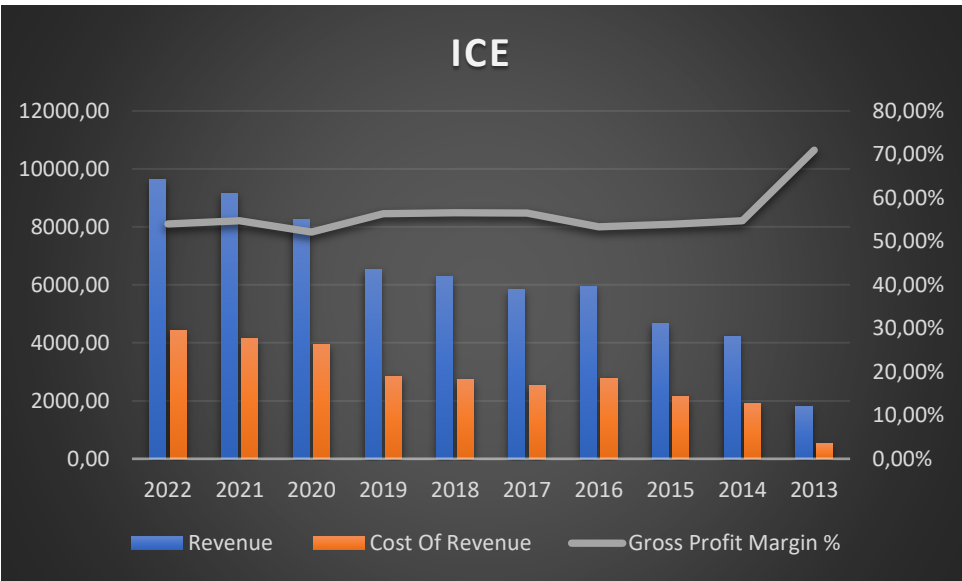
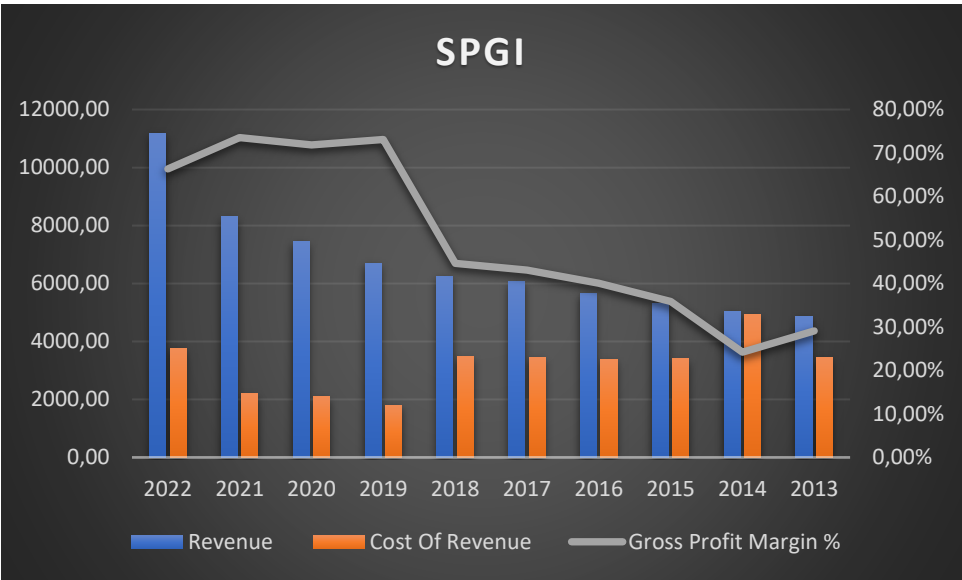
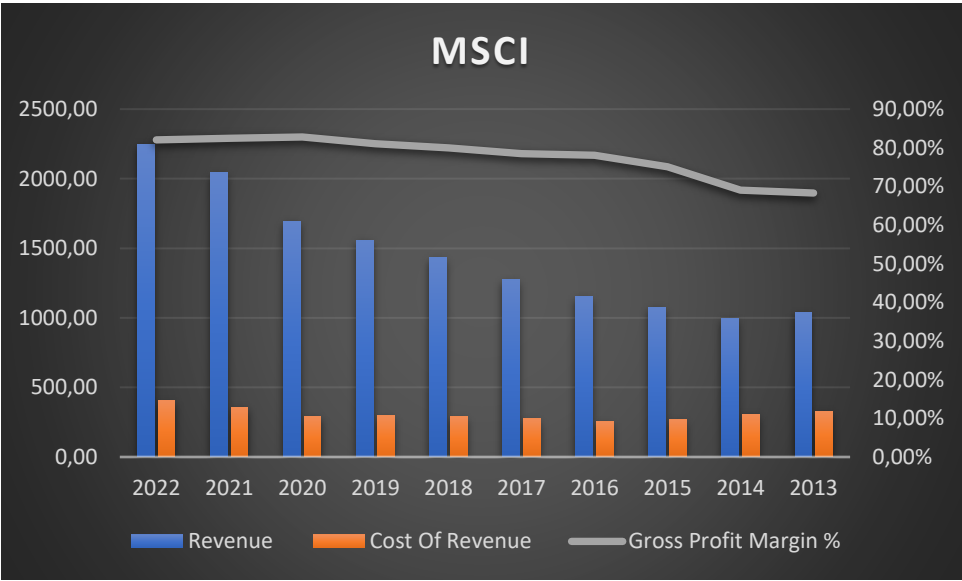
ICE very bad in keeping the margins high.

MCO "stable".

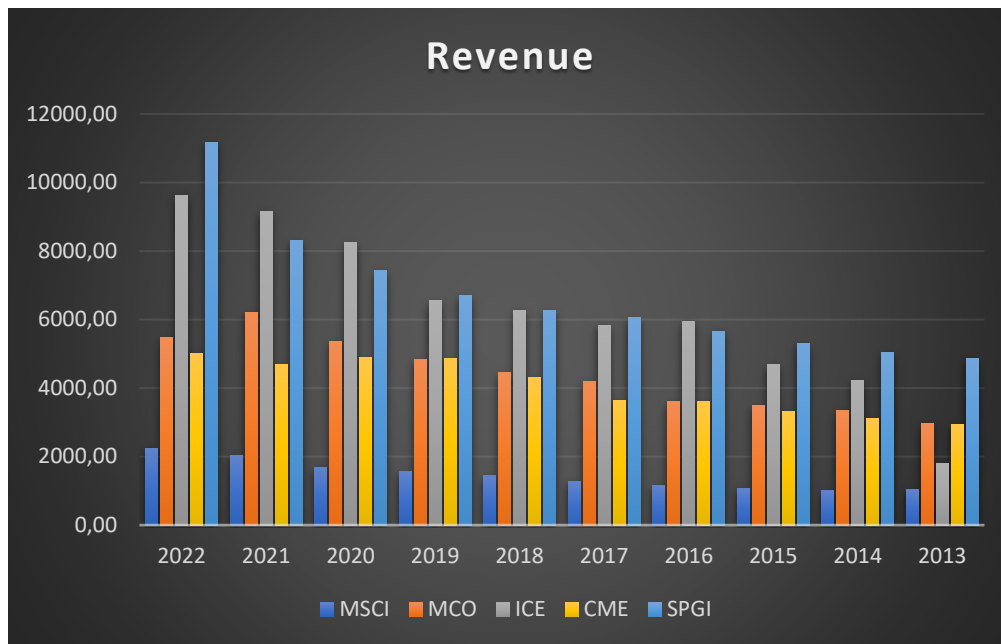
Gross Profit Margin %	10y	5y
MSCI	20,09%	4,47%
MCO	-2,53%	-0,58%
ICE	-23,94%	-4,41%
CME	4,77%	1,31%
SPGI	128,14%	54,05%

Operating Profit Margin %	10y	5y
MSCI	49,69%	18,15%
MCO	-17,09%	-19,98%
ICE	-40,64%	-35,92%
CME	7,77%	-5,28%
SPGI	-3,33%	-35,26%

Focus: Revenue, Cost of Revenue



Net Income and Revenue

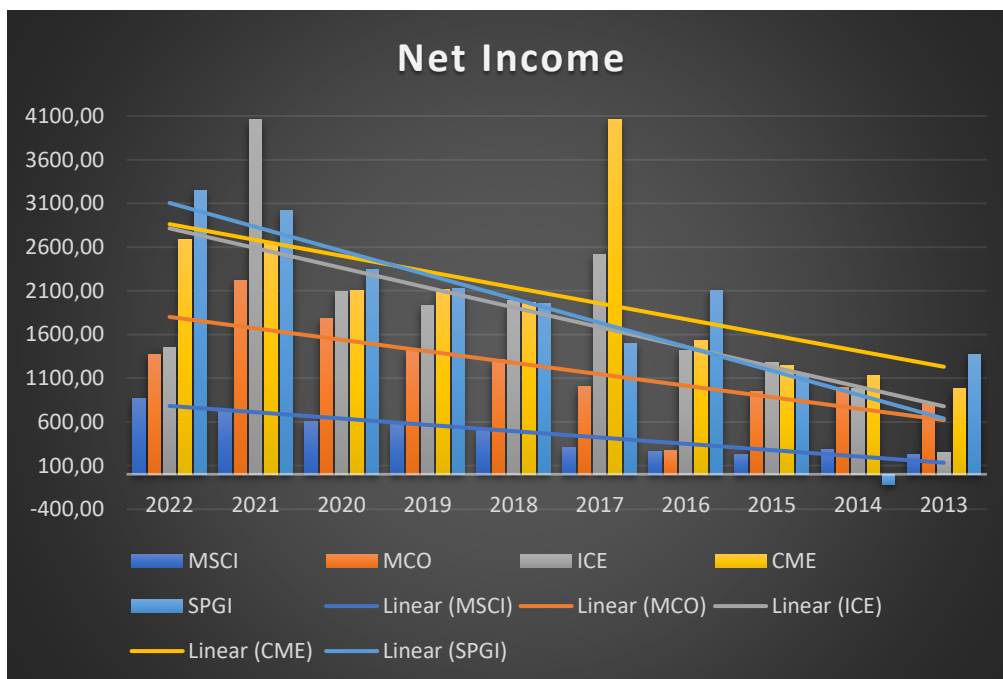


All companies are good in increasing Revenue.

ICE has an incredible growth, SPGI and MSCI more than doubled their revenues.

MCO and CME good growth.

Revenue	10y	5y
MSCI	117,08%	76,39%
MCO	83,92%	30,04%
ICE	436,82%	65,17%
CME	70,92%	37,72%
SPGI	129,35%	84,41%



All companies are good in increasing Income.

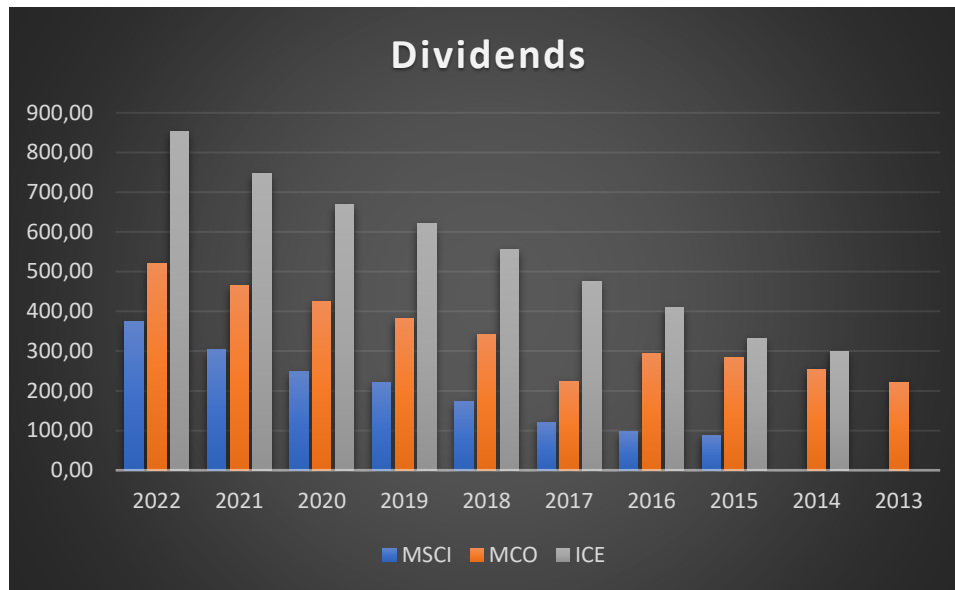
ICE incredible increase of Income, MSCI too.

CME and SPGI deserve more than double.

MCO +70% in 10y.

Net Income/Loss	10y	5y
MSCI	290,58%	186,51%
MCO	70,68%	37,26%
ICE	469,29%	-42,48%
CME	175,44%	-33,78%
SPGI	136,05%	117,11%

Dividend

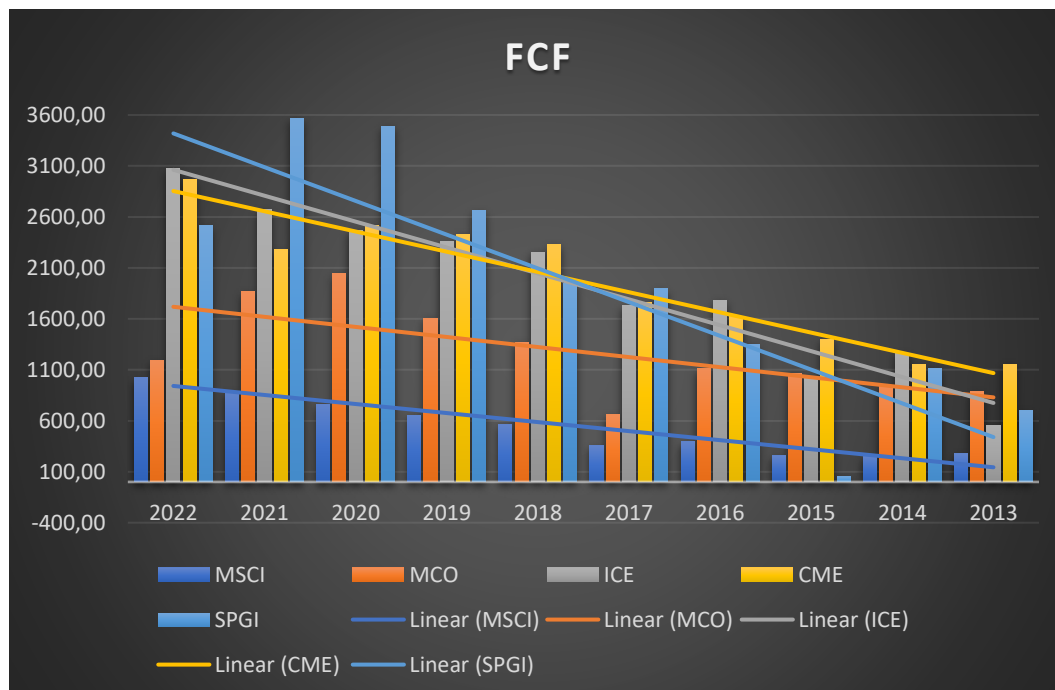


MSCI incredible dividend growth.

both MCO and ICE more than double it in 10y.

Dividends	10y	5y
MSCI	325,53%	68,47%
MCO	134,68%	36,03%
ICE	185,28%	37,36%

Free Cash Flow



ICE incredible FCF growth rate in 10y.

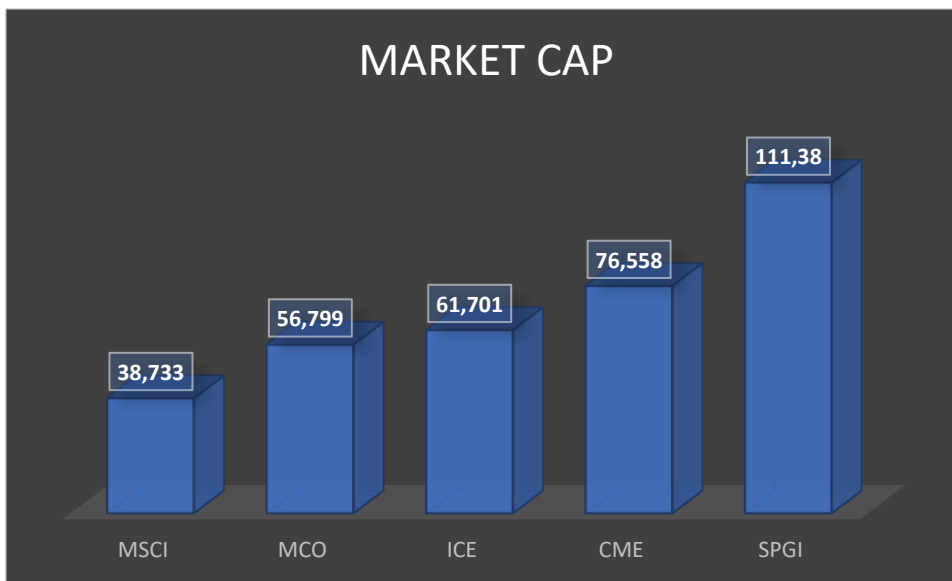
MSCI and SPGI big growth.

CME > +150%

MCO just 35% due to last 2 years drop.

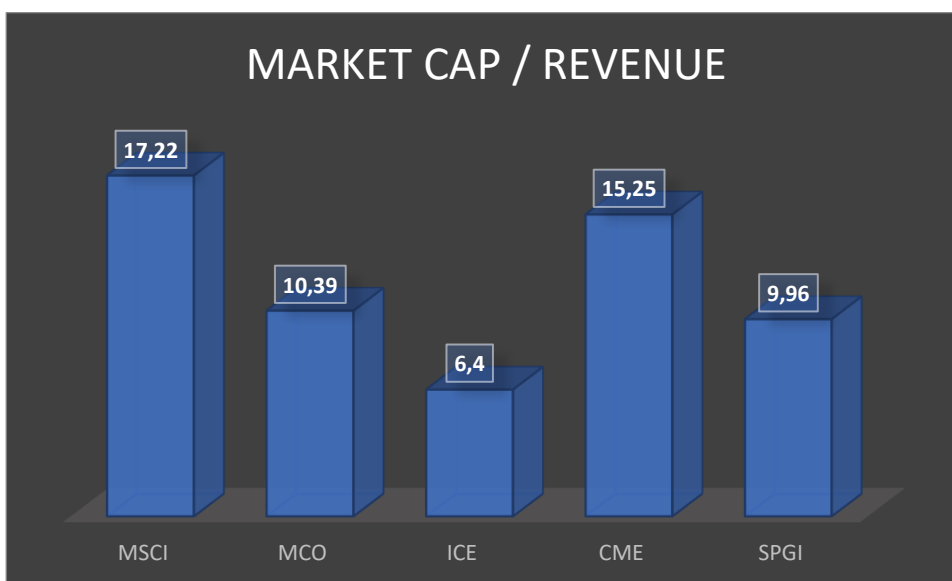
Free Cash Flow	10y	5y
MSCI	269,31%	187,36%
MCO	34,58%	81,28%
ICE	454,51%	77,78%
CME	156,88%	68,68%
SPGI	259,66%	32,81%

Market Cap



MSCI small market cap leave more room for growth.

MCO has a small market cap too.



Dividing the market cap / revenue we can see if a company have a high market cap compared to revenue.

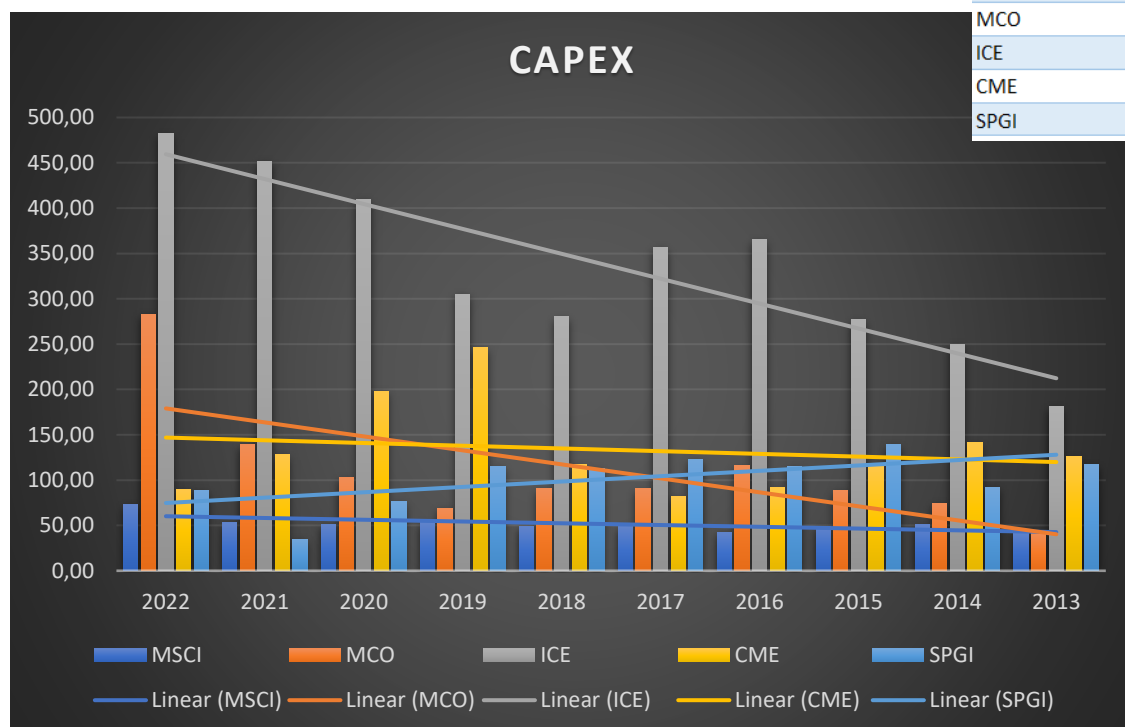
MSCI got the higher market cap compared to revenue; CME second.

SPGI and ICE have the lowest ratio.

Market cap relative to Revenue



CAPEX



Capital Expenditures	10y	5y
MSCI	67,43%	49,32%
MCO	569,03%	212,36%
ICE	166,30%	35,01%
CME	-28,81%	9,51%
SPGI	-23,93%	-27,64%

ICE

2013 acquisition of NYSE Euronext:(8.2 billions) The acquisition of NYSE Euronext was a major driver of ICE's CAPEX increase in 2013 and 2014.

2016 acquisition of Interactive Data Corporation:(5.2 billions) The acquisition of Interactive Data Corporation was another major driver of ICE's CAPEX increase in 2016 and 2017.

Technology investments: ICE has invested heavily in technology in recent years, developing new trading platforms such as ICE Trade Capture and ICE FX Global. It has also expanded its data and analytics capabilities, launching the ICE Data Services platform and the ICE Risk Services platform.

Infrastructure investments: ICE has also invested in its infrastructure, expanding its data centers, and building new trading floors. For example, in 2019, ICE opened a new state-of-the-art data center in Atlanta, Georgia.

MCO

Product development: MCO has invested heavily in product development in recent years, launching new products and services such as its Riskconnect platform and its MCO Analytics platform. These products and services require significant investment in research and development, as well as in marketing and sales.

Expansion: MCO has also expanded its global footprint in recent years, opening new offices and acquiring companies in new markets. This expansion has required investment in new infrastructure and personnel.

Technology investments: MCO has also invested heavily in technology, developing new data and analytics capabilities. For example, in 2020, MCO launched its MCO Analytics platform, which provides clients with access to a wide range of data and analytics tools.

MSCI

Acquisitions

2012: Acquired RiskMetrics Group, a provider of risk management analytics.

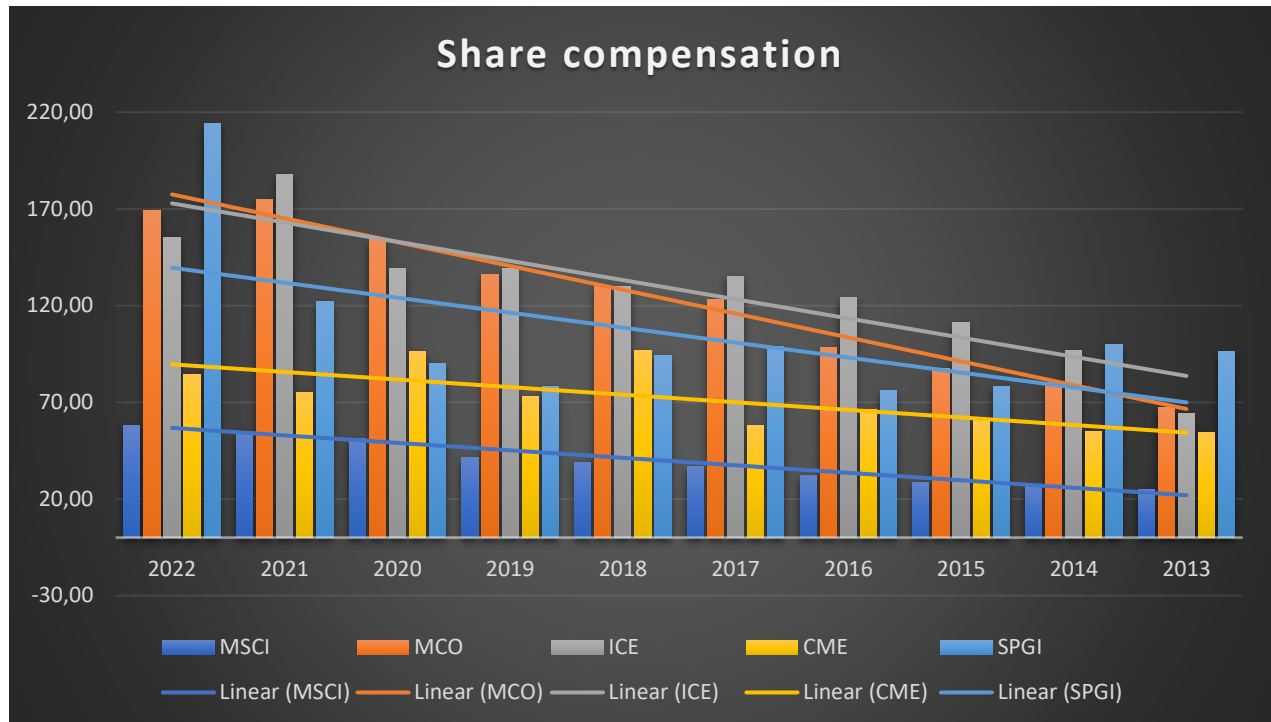
2021: Acquired ISS ESG, a provider of ESG ratings and data.

Product development

2020: Launched the MSCI ESG Enhanced Index Series, a new suite of index products that incorporate ESG factors.

2021: Launched the MSCI DataDirect platform, a new data and analytics platform that provides clients with access to a wide range of data and tools.

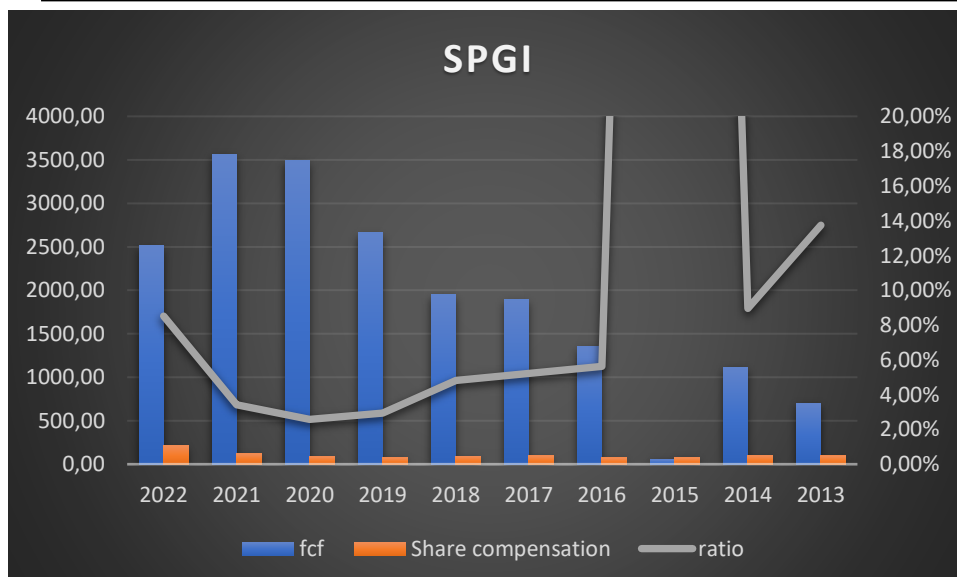
Share Compensation

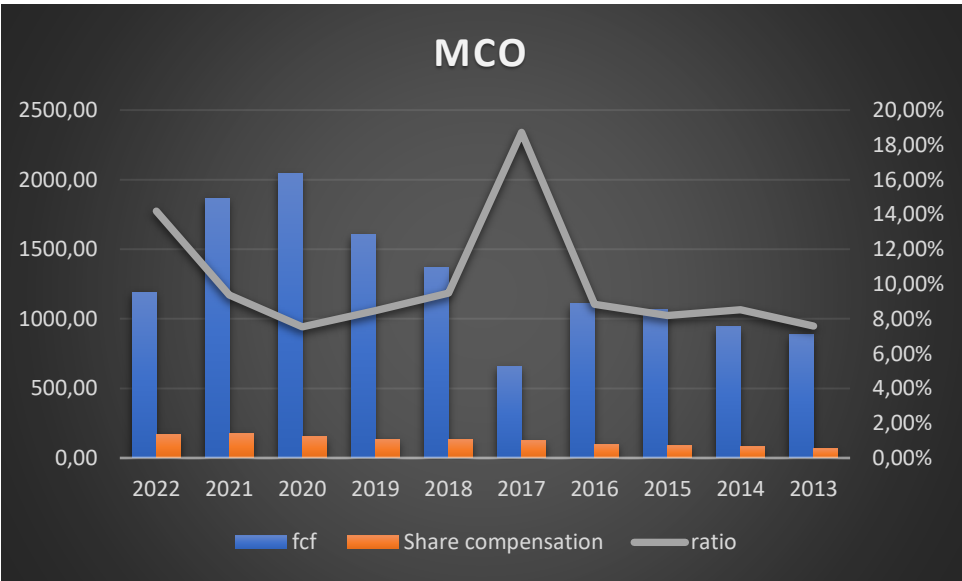
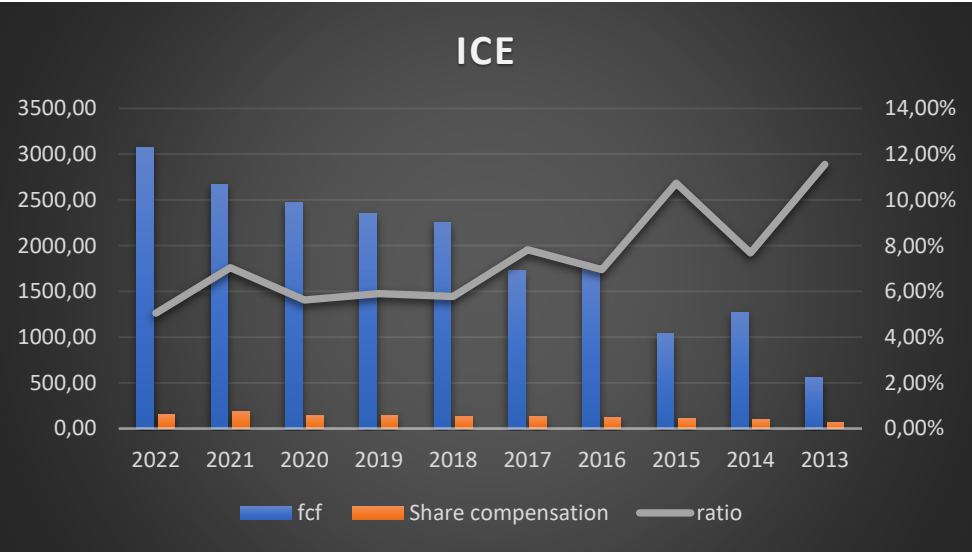
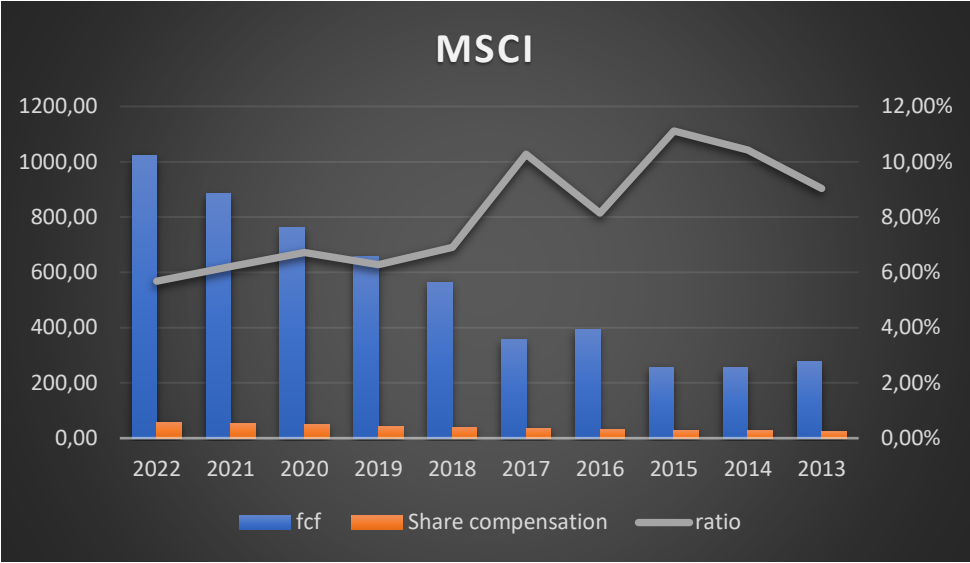


Share Based Compensation	10y	5y
MSCI	132,31%	58,83%
MCO	151,86%	37,40%
ICE	142,19%	14,81%
CME	54,96%	45,34%
SPGI	122,92%	116,16%

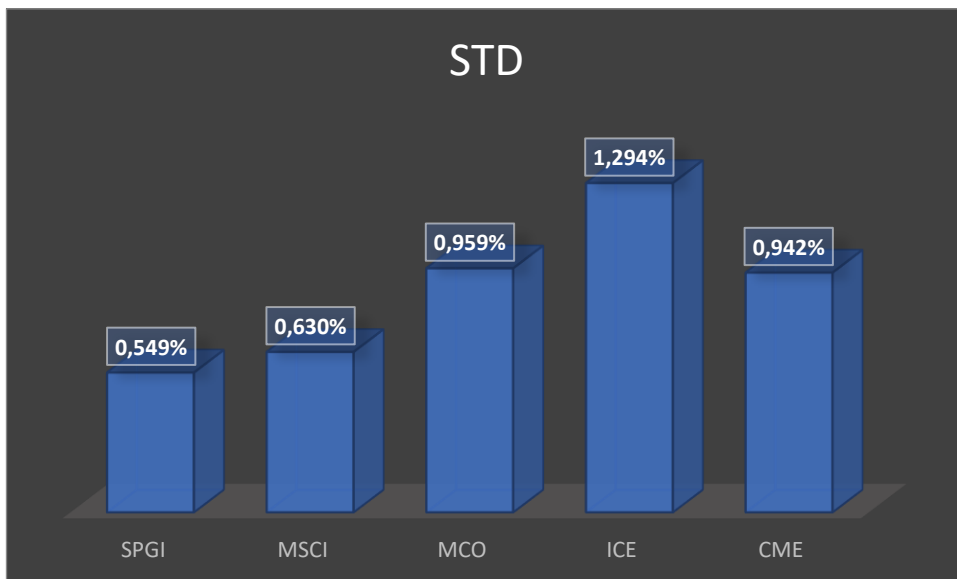
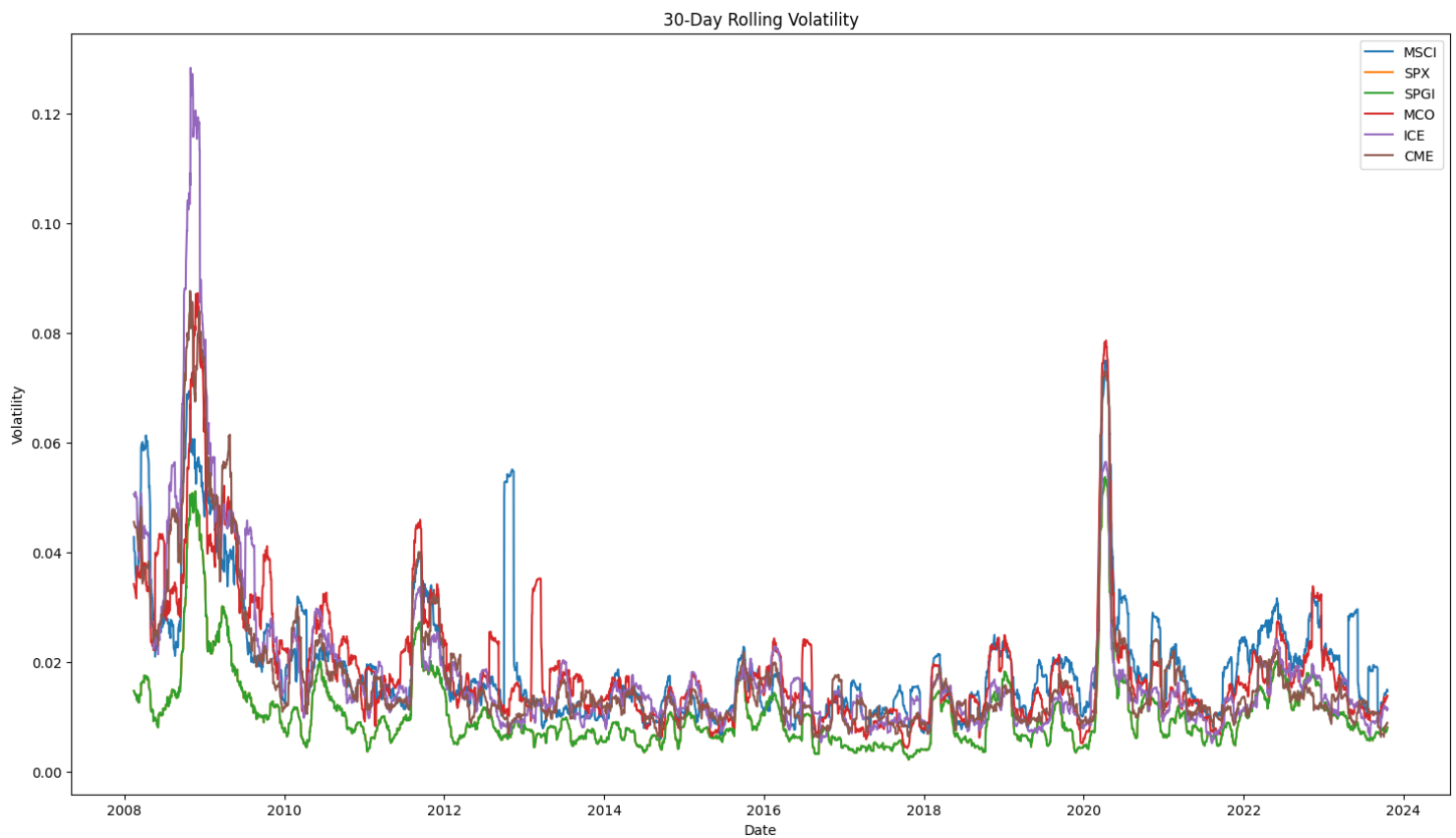
big increase in share compensations but CME.

MSCI and ICE have decreasing ratio of share outstanding / fcf.
The lower, the better. SPGI hopefully increase the FCF in 2023, as well as MCO.





PRICE, RETURNS, VOLATILITY

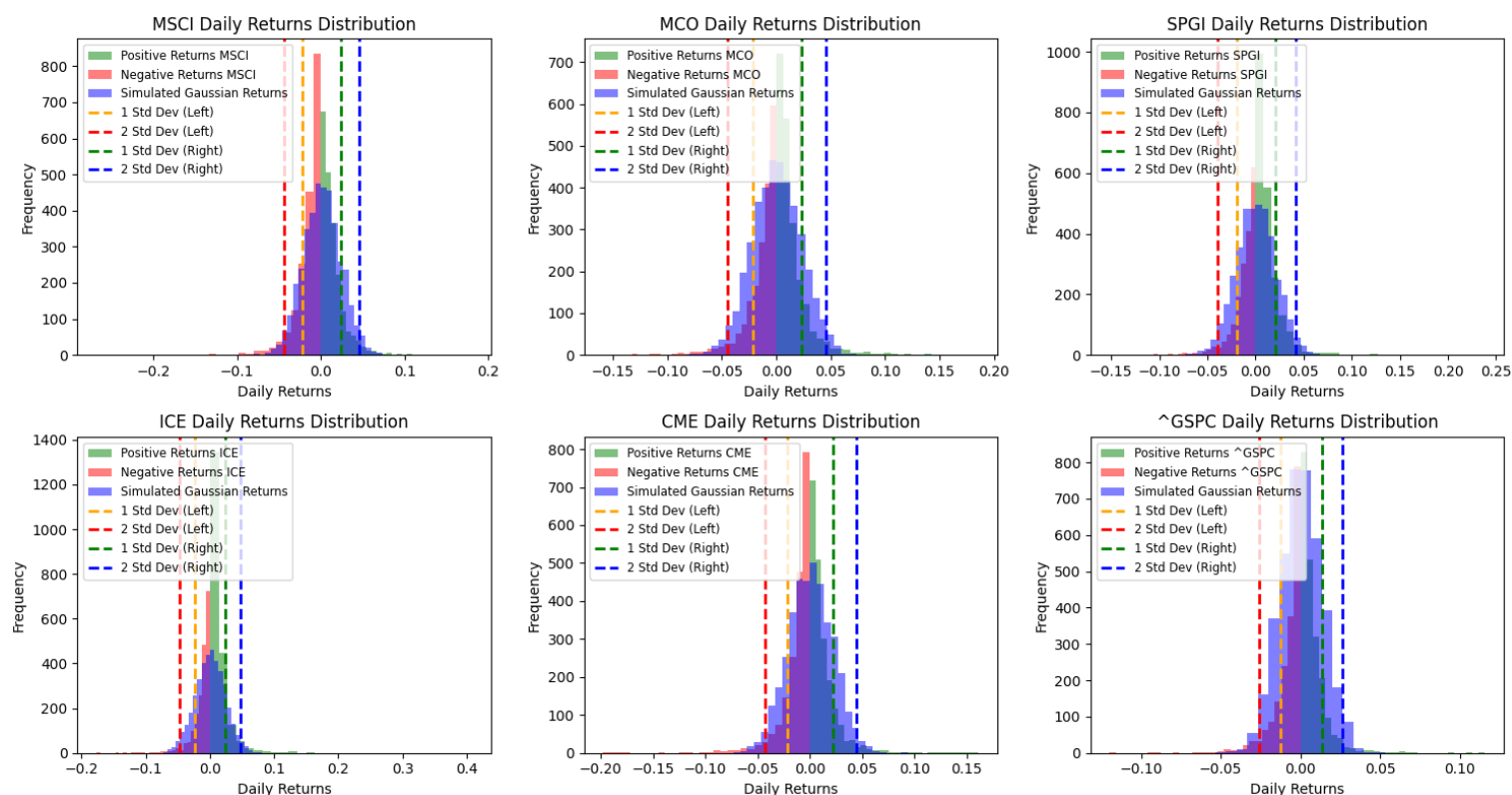


STD, campionaria

made with weekly returns.

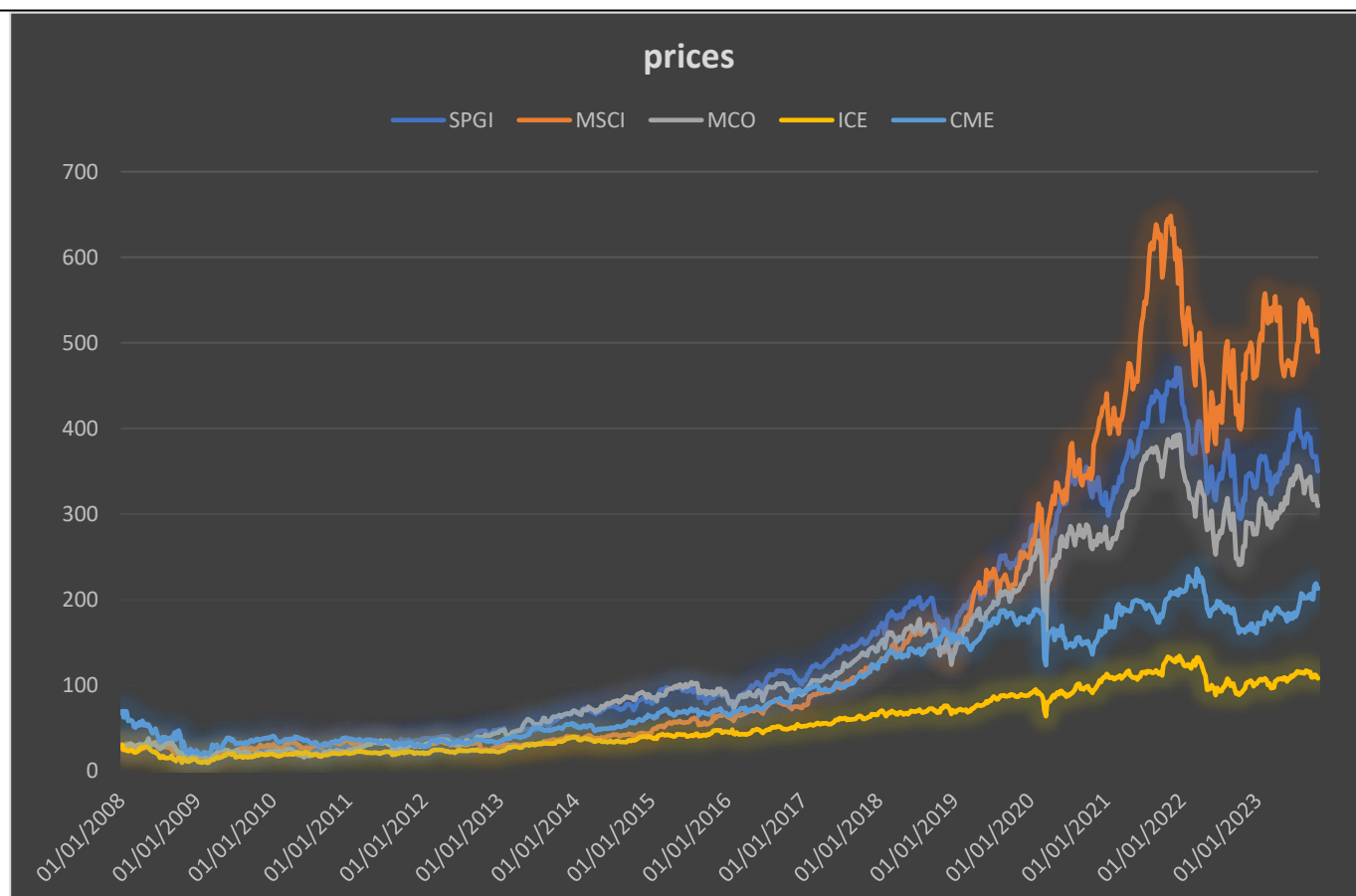
SPGI, being the biggest
offers lower volatility.

MSCI second lowest and the
smallest company.

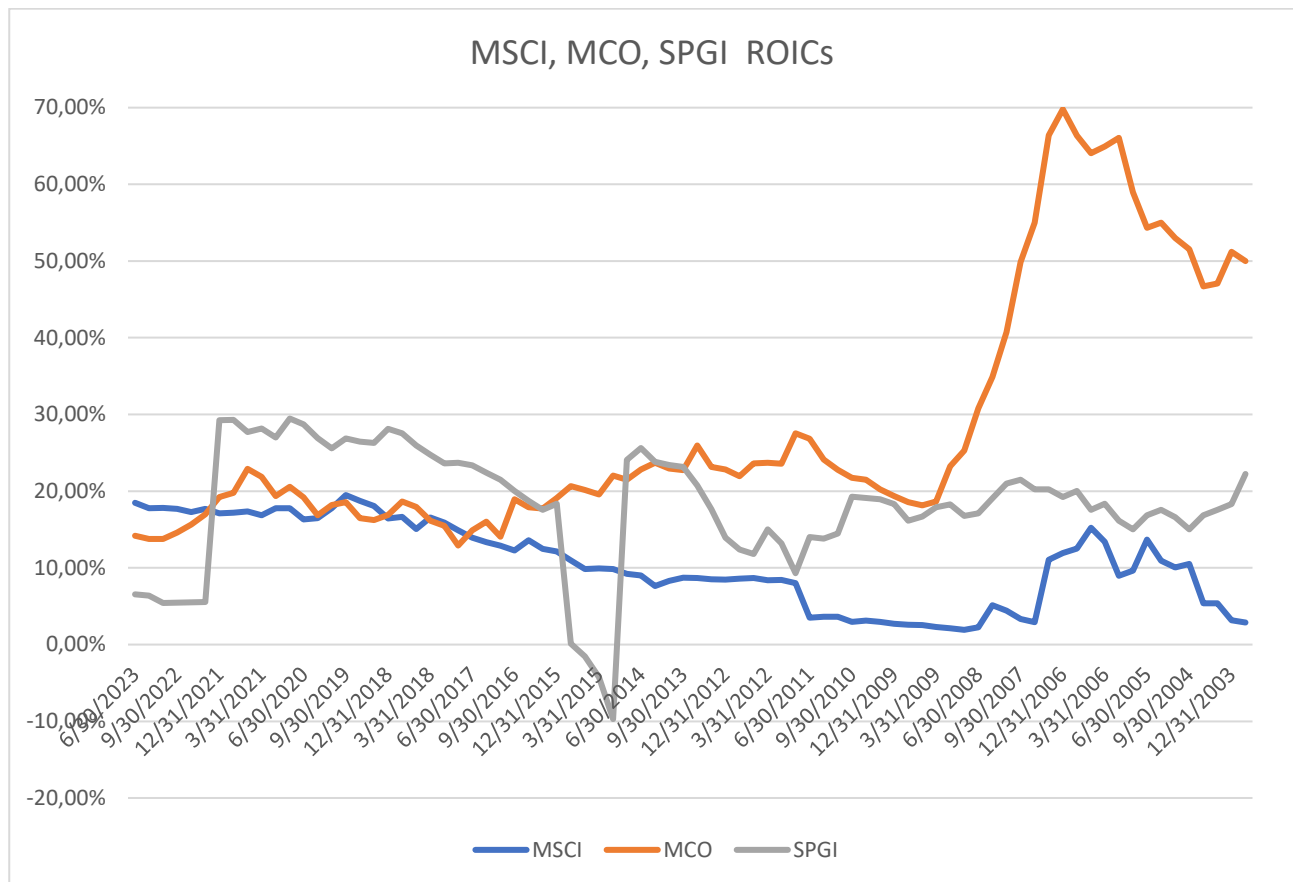


I plotted the returns of SPX too, for comparison. With this graph we can see the distributions of returns, as well their distance to 1*std or 2*std, so the volatility.

Below, the prices, good returns for MSCI, SPGI and MCO. ICE poor returns as well as CME.



ROIC



ICE and CME are very low.

A good company has a high ROIC, which is not decreasing.

MCO roic is decreasing over time and it's low now.

SPGI hopefully will recover it (?)

MSCI has almost 20% ROIC and it's increasing it.