

Market view - renewables

Comment on short-term EU ETS outlook



Was the "green bubble" the tech bubble of our time?

As tech stocks are once again feeling the pain, we find it fitting to address the frequent comparisons drawn between the tech bubble of the early 2000's and the rise and fall of renewable shares in 2020-2021

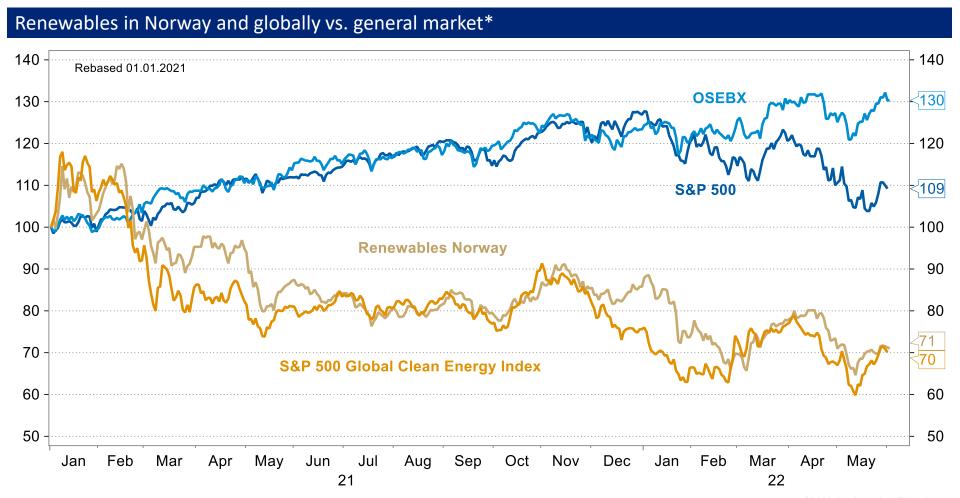






Was this a "green bubble", akin to that of the tech bubble?

Frequent readers of our weekly reports will recognize the chart below, showing the performance of renewable shares vs. the general market, in Norway and globally. Indeed, the past year and a half has been grim.





Renewables have been on a path that certainly looks like the early 2000's tech bubble

SB1M Virtue index includes the "oldest" Nordic renewable shares

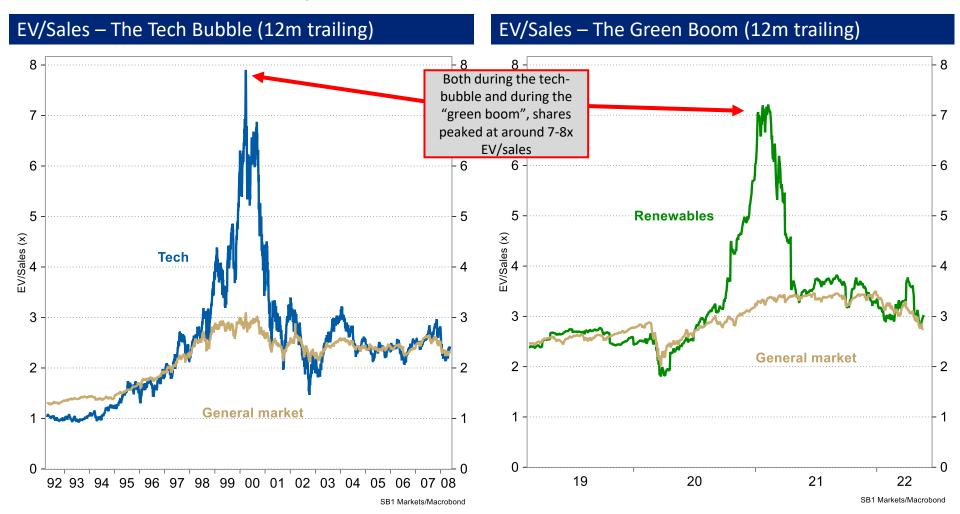


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...and the resemblence is just as striking when looking at valuation

EV/Sales of renewables in 2021 peaked around the same level as that of tech stocks in 2000



Renewables: S&P 500 Clean Energy Index Tech: S&P 500 Information Technology Index General Market: S&P 500



However, note that valuation is now back on par with the general market...

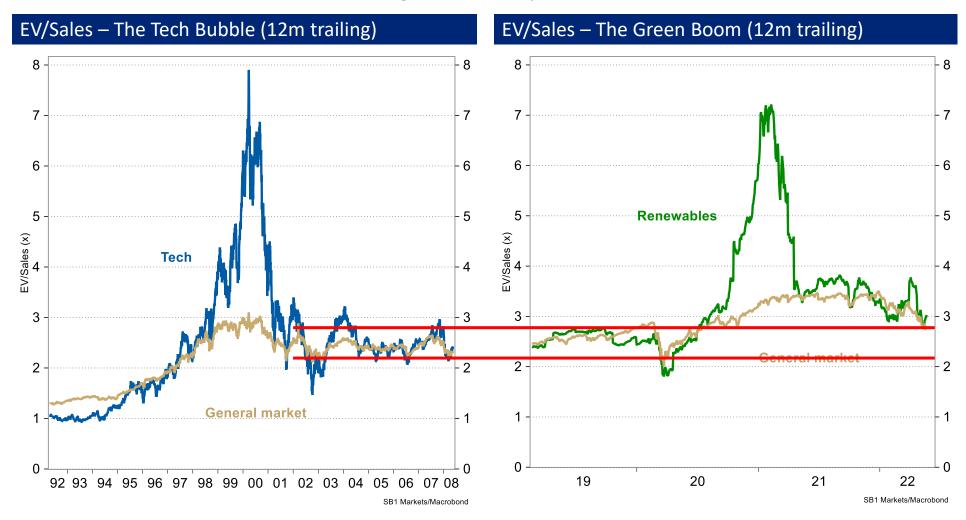
This is obviously somewhat simplified, as we are only looking at aggregate EV/Sales across indices





... but admittedly the general market is valued somewhat higher this time...

Hence, on the relative, renewables no longer seem overpriced



Renewables: S&P 500 Clean Energy Index Tech: S&P 500 Information Technology Index General Market: S&P 500

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... and Fed('s model) indicate a continued soft sentiment for growth shares

The probability for a recession is 90% - and GDP will most likely decline through both '22 and '23!

Forecast Comparison

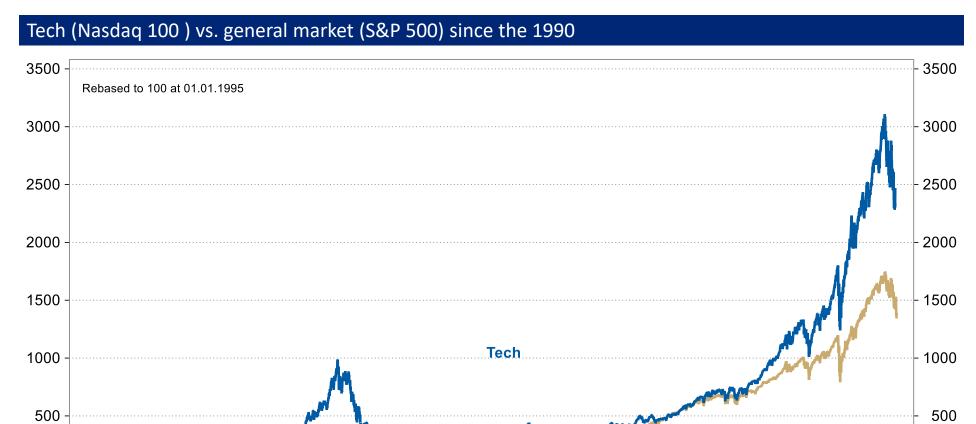
	2022		2023		2024		2025	
	Jun	Mar	Jun	Mar	Jun	Mar	Jun	Mar
GDP growth	-0.6	0.9	-0.5	1.2	0.4	1.5	1.4	1.8
(Q4/Q4)	(-3.6, 2.3)	(-0.8, 2.6)	(-5.0, 4.0)	(-0.6, 3.1)	(-4.4, 5.3)	(-0.3, 3.4)	(-3.9, 6.5)	(-0.1, 3.6)
Core PCE inflation (Q4/Q4)	3.8	2.8	2.5	2.2	2.1	2.0	2.0	2.0
	(3.3, 4.4)	(2.1, 3.6)	(1.7, 3.4)	(1.3, 3.1)	(1.2, 3.1)	(1.1, 3.0)	(1.0, 3.0)	(1.0, 3.0)
Real natural rate of interest (Q4)	0.9	0.0	0.9	0.4	0.9	0.6	0.8	0.6
	(-0.4, 2.1)	(-1.3, 1.4)	(-0.5, 2.4)	(-1.1, 1.9)	(-0.7, 2.4)	(-1.0, 2.1)	(-0.9, 2.5)	(-1.1, 2.3)

- To June from March, the centre forecast for Q4-2022 y/y GDP growth was revised down by 1.5 pp to -0.6%
- .. And the Q4-2023 y/y estimate was cut by 1.7 pp to -0.5%
- Thus, the Q4-2023 GDP level was revised down by 3.2%, and the level will be 1.1% below Q4-2021!
 - » In addition, 2024 and 2025 was revised down by 1.1 pp and 0.4 pp, resp., in sum 1.5 pp. Grand total down 4.7% vs the March f'cast –
- If so, a not very deep, but a rather long-lasting recession and a slow recovery thereafter
- The model forecast are way below the FOMC members' forecast: by end of 2023, the difference (in GDP level) is 4.5%!!



However, investing in the future proved wise the last time around

Tech has outperformed the general market by a landslide, despite being overvalued in 2000



90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22

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General market

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Then again, it took 17 years before tech stocks were back at the peak of 2000

Will it take that long for renewables to recover as well?

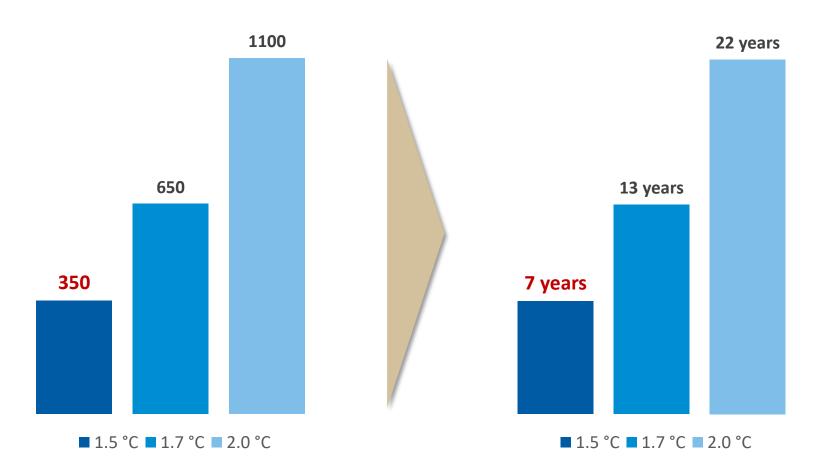




Reason 1: We are running out of time to lower emissions. This urgency was not there after the tech bubble.

Remaining CO₂ budget, Gt CO₂

Years left at current emissions run-rate (50 Gt/p.a.)





Reason 2: Renewables are enjoying strong regulatory tailwind, as represented by rising emission costs



Source: Macrobond, SpareBank 1 Markets



Reason 3: Irrespective of share prices, underlying momentum in various renewable sectors is rock-solid

Growth in announced renewable projects from 2020 to 2021 (by capacity)





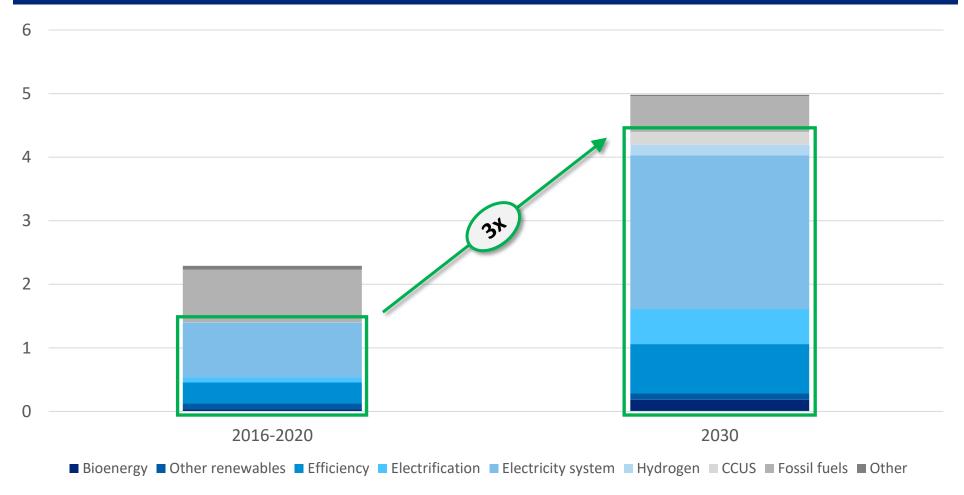






Reason 4: We are still heavily underinvested in renewables

Annual investments required per technology in IEA's Net Zero Emissions scenario, USDbn



Source: IEA, SpareBank 1 Markets



Market view - renewables

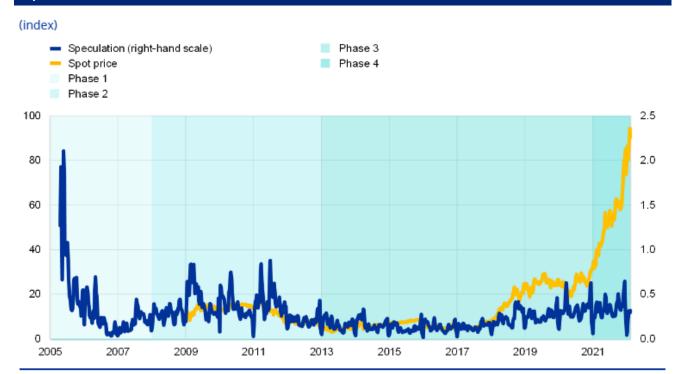
Comment on short-term EU ETS outlook



The degree of speculation in the EU ETS market is still not particularly high

This implies that actual supply/demand should be reflected in the spot price

Speculation in the EU ETS futures market



Sources: Refinitiv and ECB calculations.

Notes: The chart shows a two-week moving average of a speculation measure, defined as the ratio between the volume and open interest of futures contracts expiring in December. Volume and open interest are measured at the weekly level: for each week the cumulative volume from Monday to Friday is considered, whereas the weekly open interest is the open interest registered on a Friday. The latest observation is for 11 February 2022 (weekly data).

Comments

- A proxy for the extent of speculation in any given market can be created by dividing the traded volume by the volume of open positions.
- The reasoning behind this is that high levels of speculation leads to increased volume traded, but without a corresponding increase in the volume of open positions, since speculative positions are generally closed quickly.
- The ECB has created such a proxy for the EUA market. The conclusion is that, although speculation increased slightly as the EUA price rallied in 2018-2019, the current level of speculation is still relatively moderate, and lower than during earlier phases of the ETS.

Source: Refinitiv, ECB, SpareBank 1 Markets



Lowered economic activity may be offset by increased emissions in the power sector

A recession will lower industrial activity and correspondingly most likely also emissions related to this



Source: Quartz, SpareBank 1 Markets



Both coal and gas prices are at extreme levels

Gas prices rallied this week, as Russia lowered supply to Europe

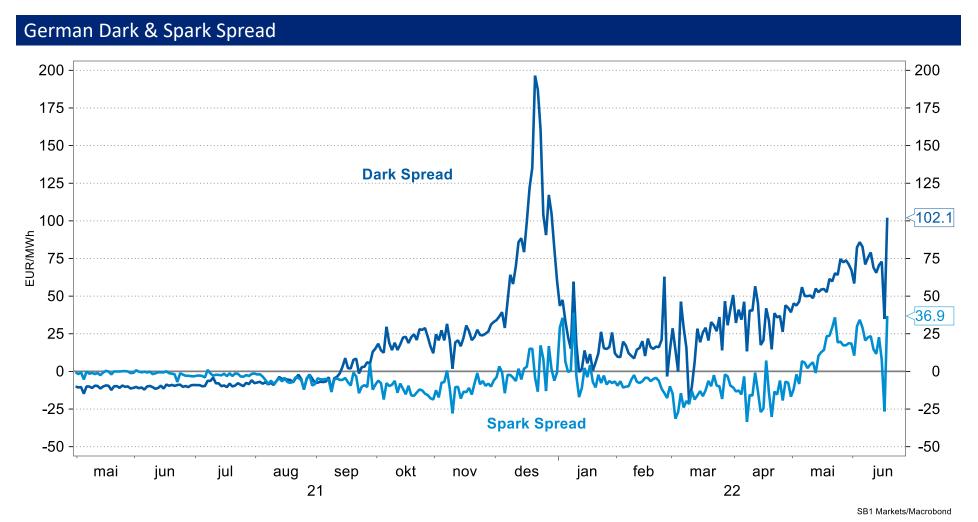






...but burning coal is still highly cost competitive relative to gas...

This remains supportive for the EUA price, as burning coal entails higher emissions and more demand for allowances



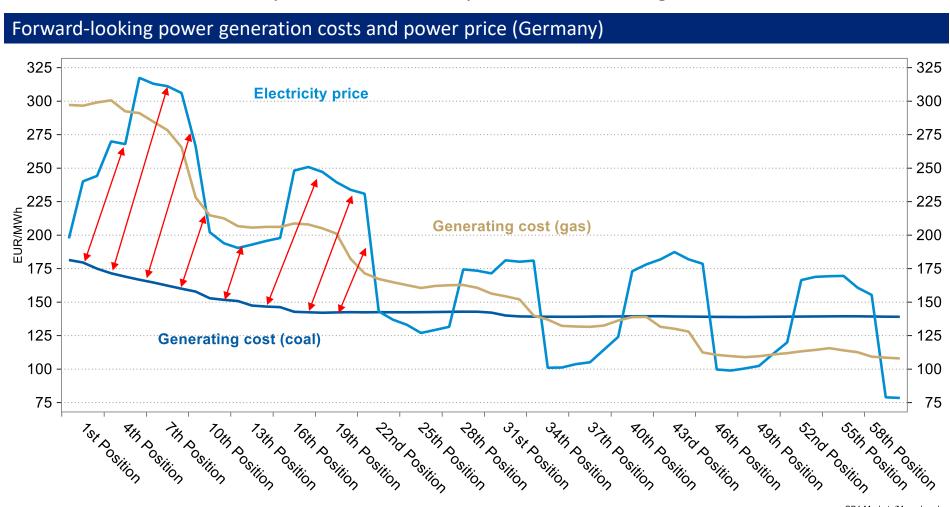


1 tonne coal ~= 3 tonnes CO2 = 3 EU ETS allowances



...and the market believes coal power will be cheaper for the next two years...

Hence, emissions from the power sector are expected to remain high

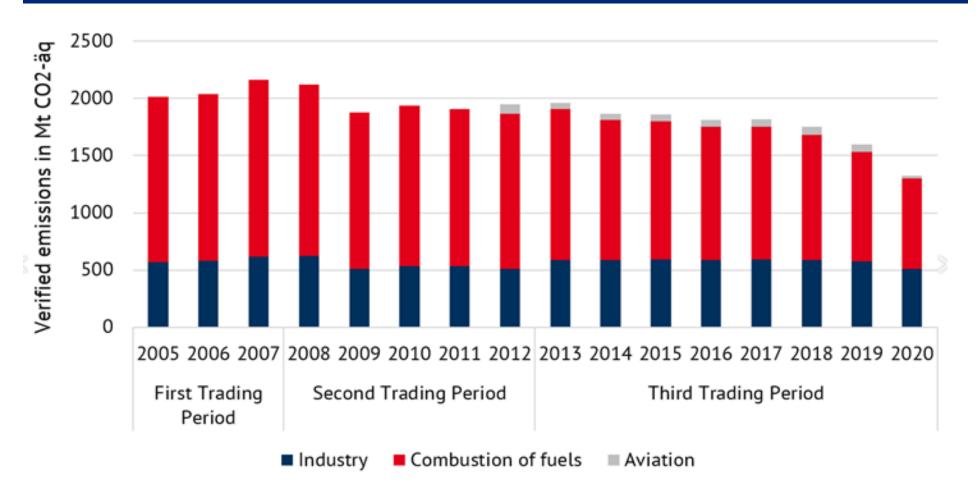




... supportive of short-term EU ETS price as power accounts for >50% of system emissions

Combustion of fuels is *mainly* related to power stations

EU ETS emissions by source (GtCO2eq)



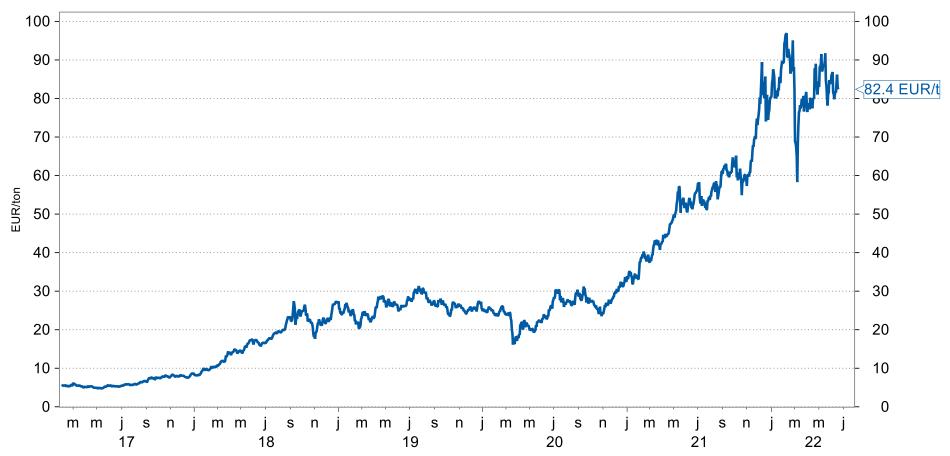
Source: European Commission, SpareBank 1 Markets



So, in our view, the >EUR80/t may remain over the next couple of years

... which should incentivize the industry to move forward with carbon capture projects!





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