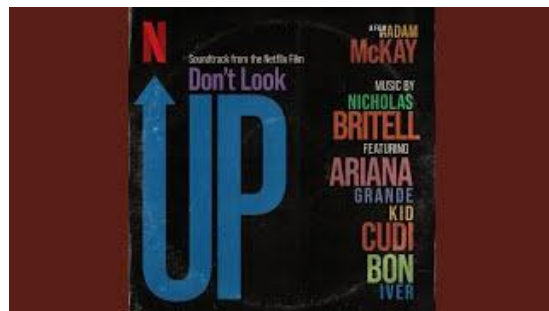


Investor Presentation - March 2023

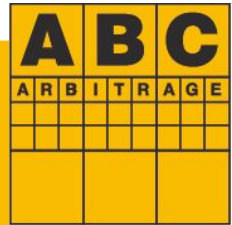
Don't look up! - The world is not ready
for the coming economic planet killer!



1. **What we do**
2. **2022 Market Parameters**
3. **2022 Financial Results**
4. **Review of the *ABC* 2022 strategic plan**
5. **How we do it**
6. **From 2023 to 2025. Don't look up!**
7. **Springboard 2025 - For today and for tomorrow!**
8. **ABC Shares & distributions**

Who we are

- ❑ **One Business: Quantitative Asset Management.**
- ❑ **One Team: Enthusiastic technologists, building innovative trading systems and asset management strategies.**
- ❑ **One Trading Principle: Quantitative arbitrage on all kinds of assets.**
- ❑ **One Conviction: Investing our own Equity in our strategies.**
- ❑ **One Proof: 28 consecutive profitable years with ROE > 10%.**
- ❑ **One Methodology: Risk mitigation & Risk Management.**



1. What we do

Arbitrage: Providing liquidity to the market with systematic mechanical or statistical hedging position

- ❑ Sophisticated trading techniques using scientific & data driven approach to generate alpha.
- ❑ **Statistical and Event Driven strategies** - focus on niche, mid-short term trading opportunities with capital protection.
- ❑ **40 main strategies**, multi-assets, multi markets on **almost 100 exchanges around the world**.
- ❑ ABC strategies are correlated to **Volatility, M&A activity, Corporate actions and traded markets volumes**.

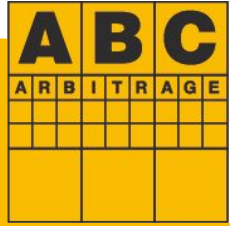
Markets Parameters	Impact on ABC Activity
Volatility on assets	++
Equity Index Prices	=
Rates Level	=
Commodities Prices	=
Strong Markets volumes	++
Weak volumes	-
M&A Activity	++
Corporate Actions Activity	++
Bank credit issue	-
Market Regulation	+



Volatility

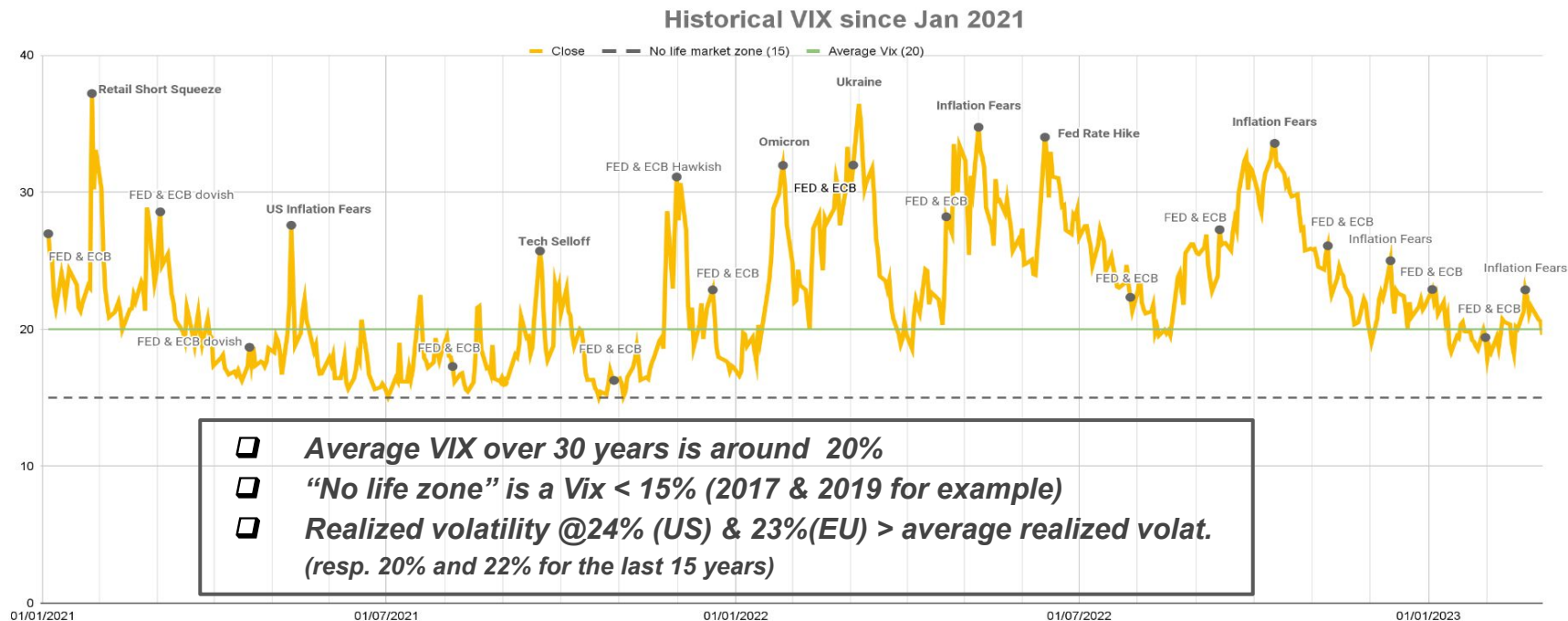
**M&A
Corporate Actions**

Traded Volumes

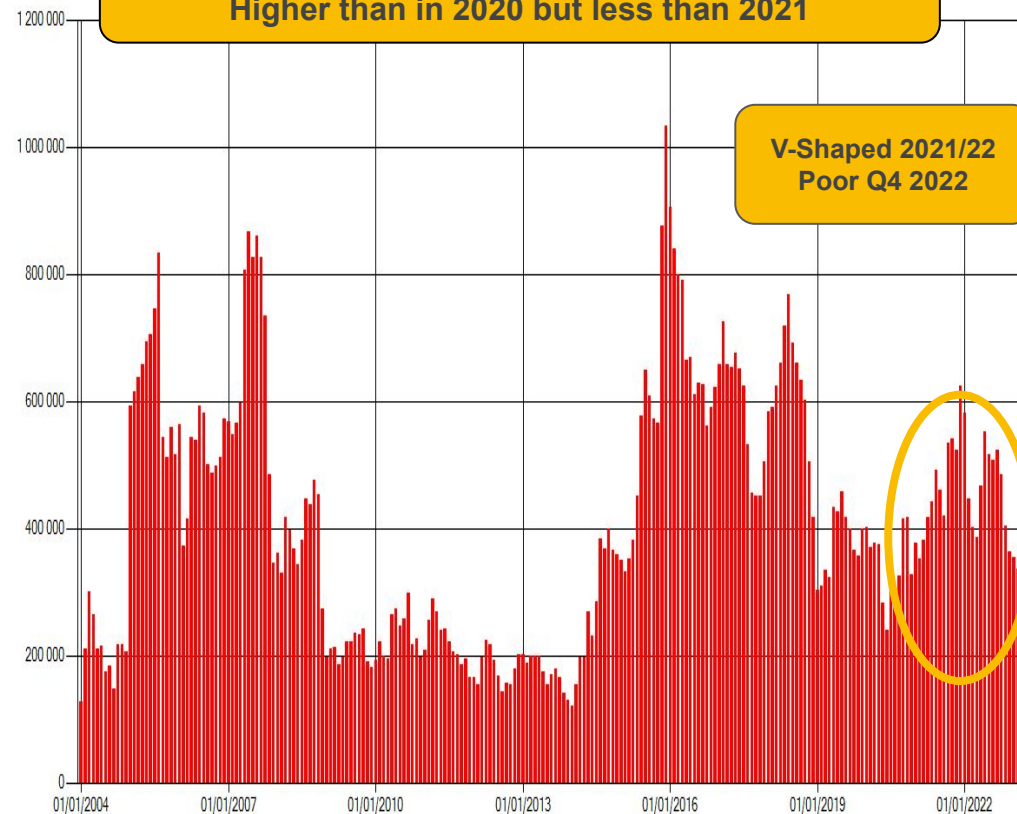


2. 2022 Market Parameters

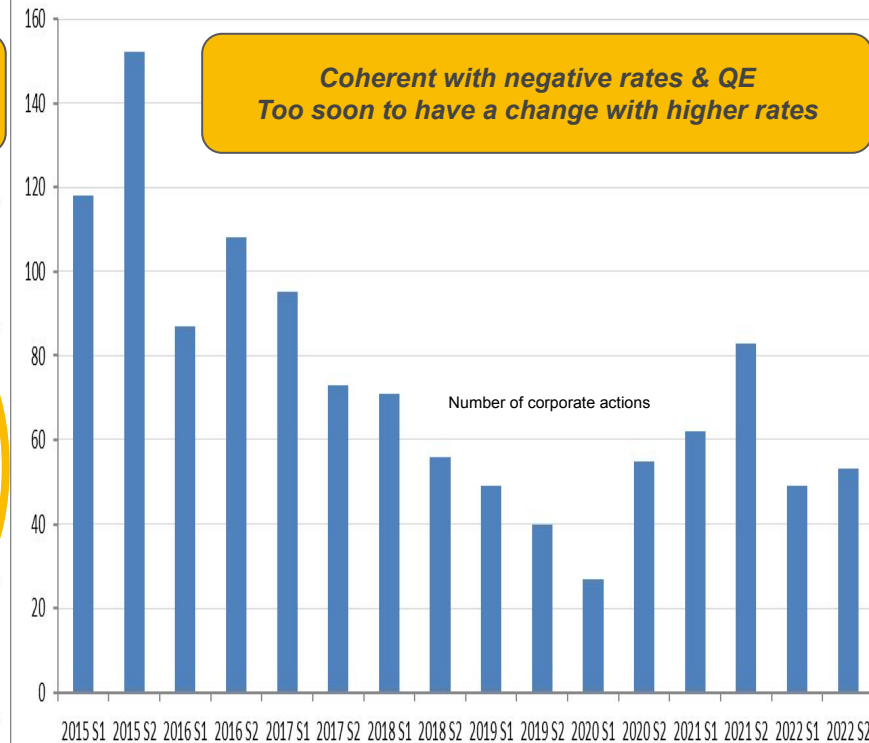
2022 - [almost] The end of Central Banks Paradigm under inflation pressure & UA/RUS War



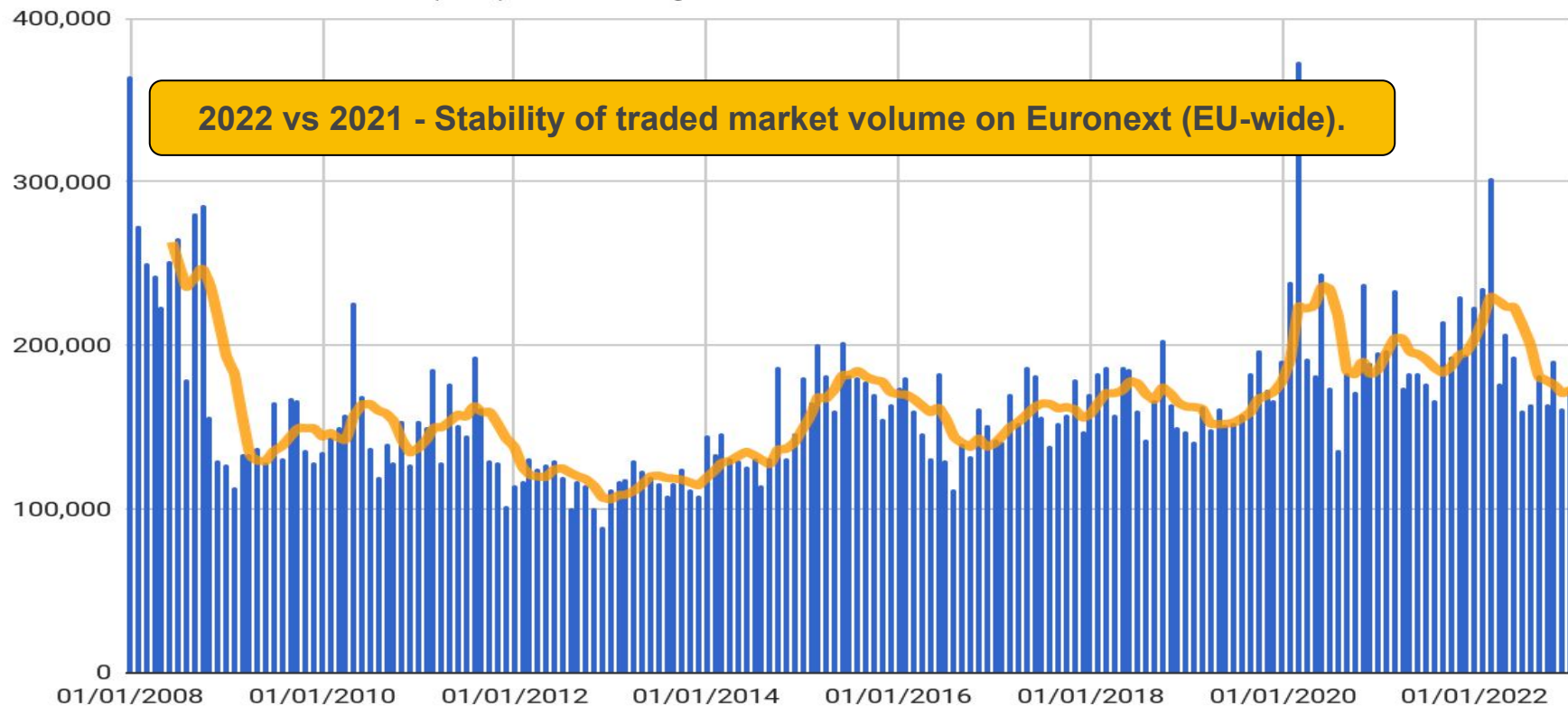
Monthly existing M&A announced offers(B€)
Higher than in 2020 but less than 2021

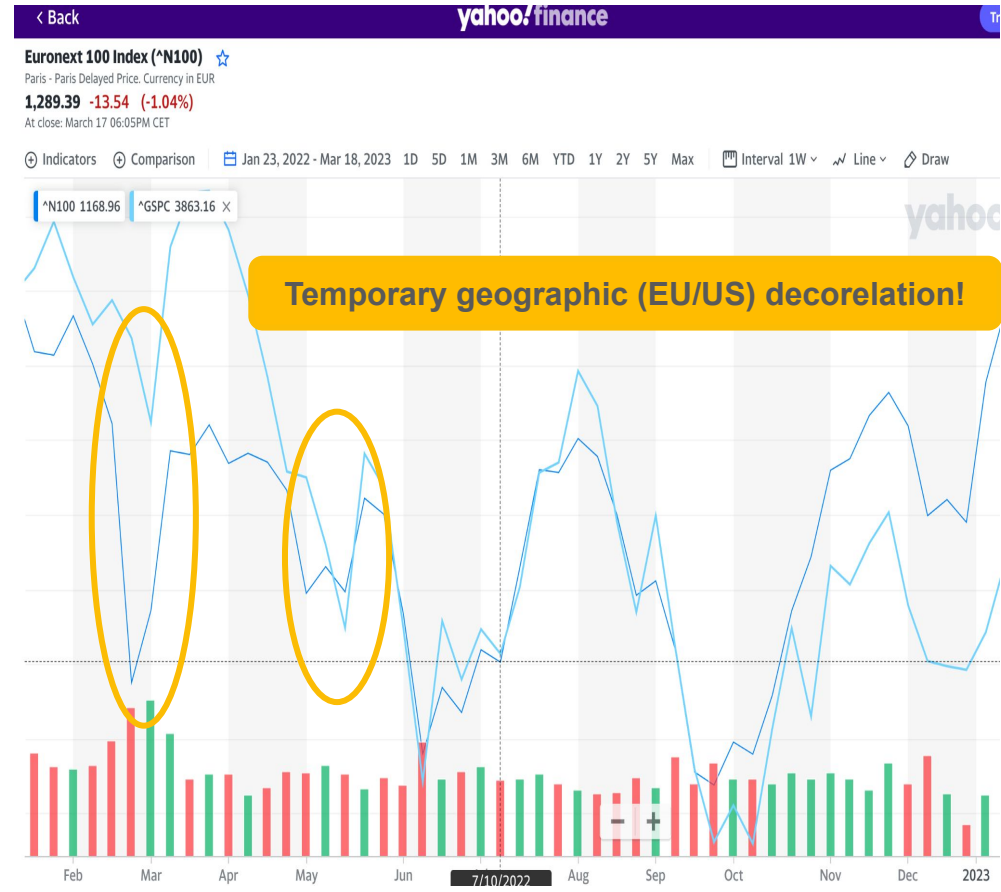


Corporate actions opportunities
Divided by 3 since 2014 - Divided by 1.5 since 2018

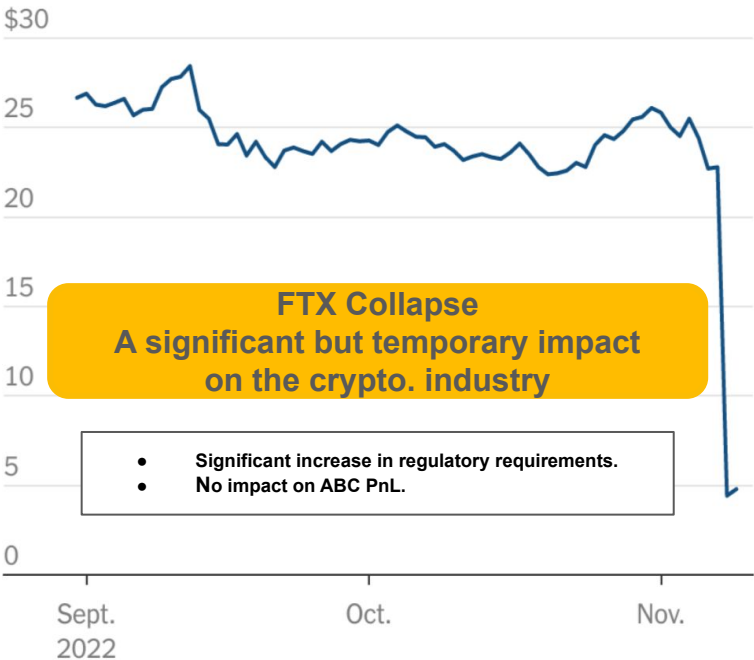


Euronext Traded Volume (M€) - Monthly data:



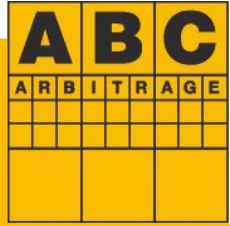


Price of FTX token (FTT)



Source: Refinitiv, CoinMarketCap • By The New York Times





3. 2022 Financial Results

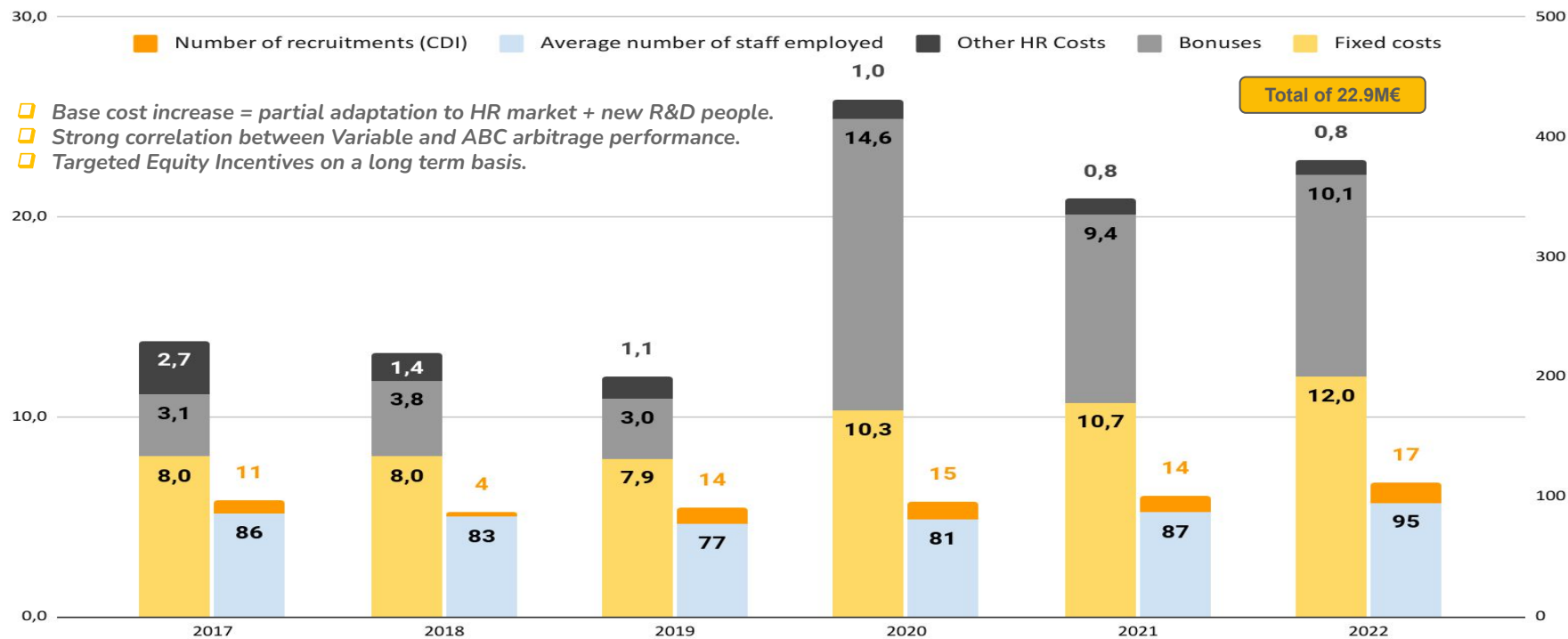
In Euro millions - IFRS	S1 2020	2020	2021	2021 Pro forma***	2022	Change 2022/2021	Change 2022/2021 Pro forma
Investment Services Fees*	14,9	22,5	59,9	25,3	27,4	-54,2%	8,5%
Net gains at fair value through profit or loss**	16,6	46,3	4,2	34,5	33,8	700,5%	-2,2%
Net revenues	31,5	68,8	64,1	59,8	61,2	-4,6%	2,3%
Payroll costs	-10,6	-25,9	-20,7	-21,2	-22,9	10,6%	8,0%
Occupancy costs	-0,8	-1,4	-1,4	-1,4	-1,4	-2,7%	-2,8%
Other expense	-3,4	-5,9	-6,4	-6,4	-7,2	12,0%	12,0%
Other taxes	-0,5	-0,1	-0,3	-0,3	-0,7	140,3%	140,3%
Total costs	-15,3	-33,4	-28,8	-29,3	-32,1	11,5%	10%
Income before tax	16,2	35,4	35,4	30,5	29,1	-17,7%	-4,7%
Income tax	0,0	-0,3	-7,3	0,2	0,1	-101%	-75,5%
Net income attributable to equity holders	16,2	35,1	28,0	30,8	29,2	4,0%	-5,2%

*: Management fees on all AuM (included ABCA's own equity)

** : Quartys' (group investment company) financial result (after costs and taxes)

***: Link to the press release [Activity pace and specific event 2021](#)

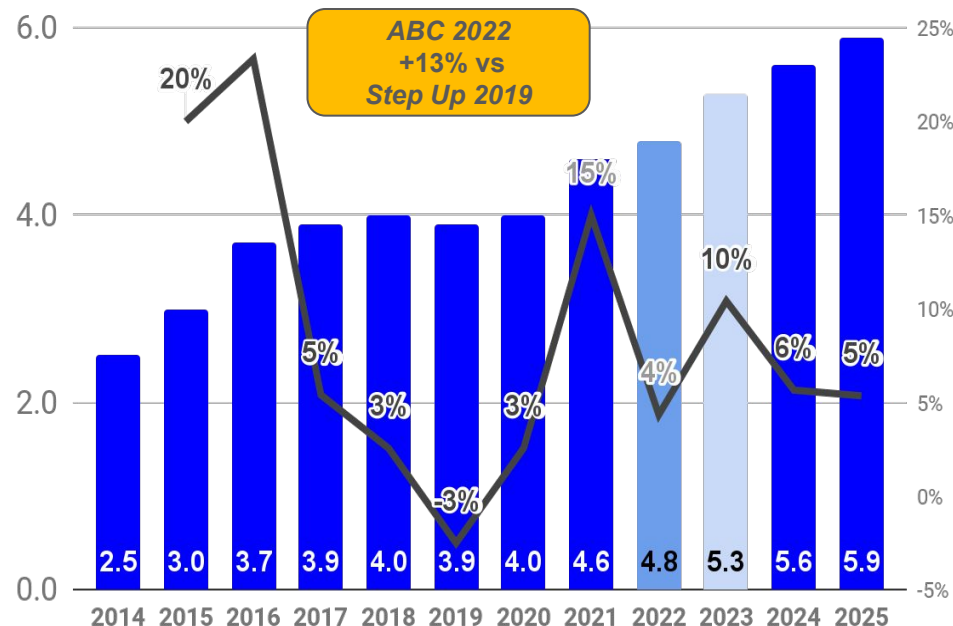
ABC Team = ABC first priority = ABC first expense



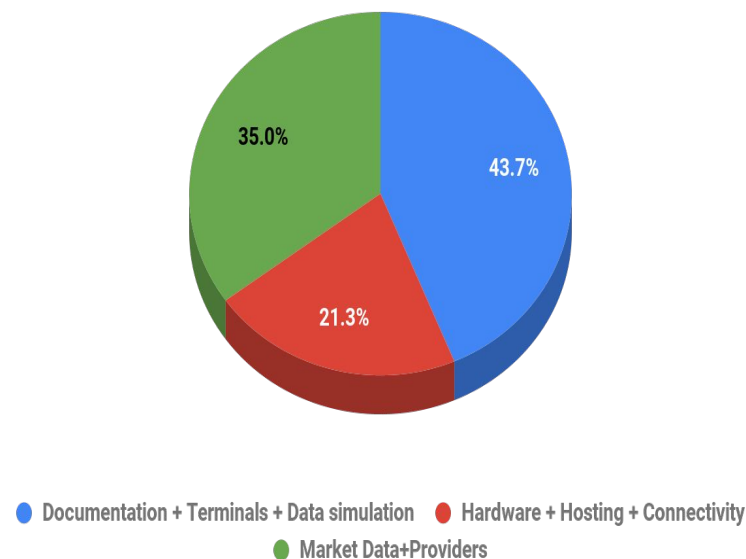
ABC arbitrage is a “French Tech” Company !

IT Costs ~ 70% of the “other costs”.

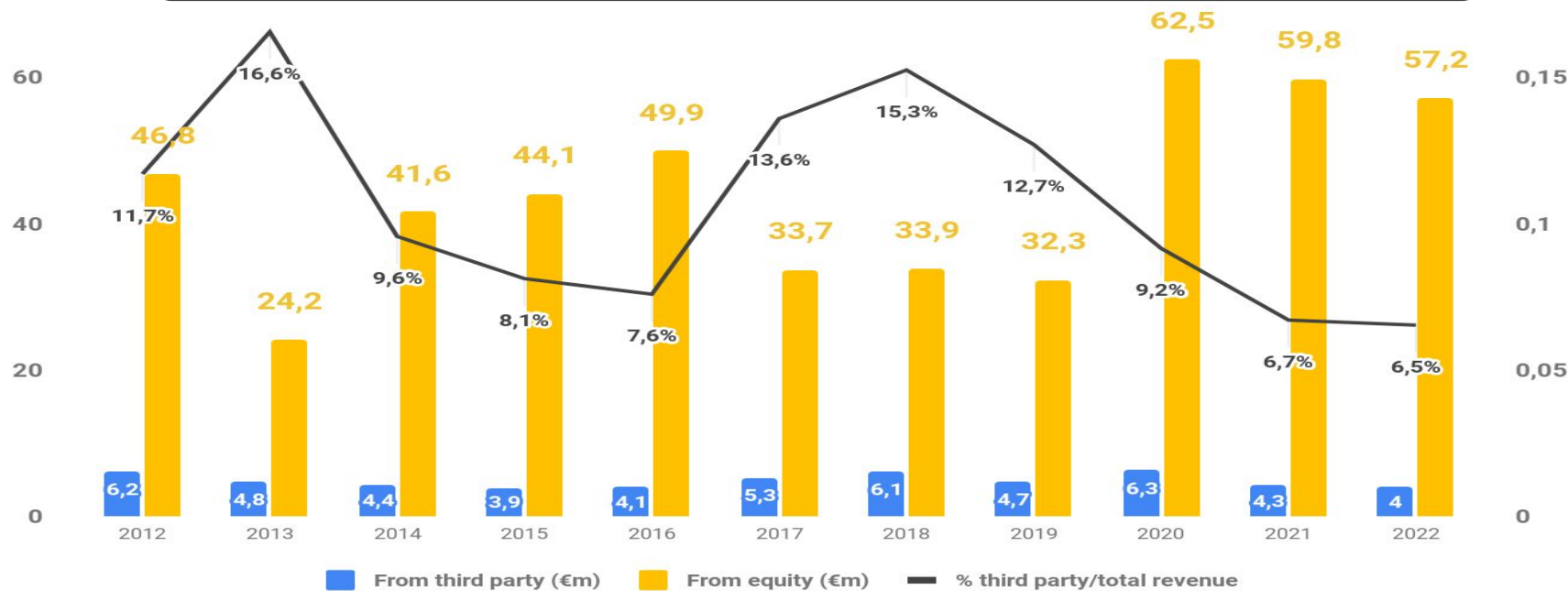
IT costs (M€)



IT costs - % allocation 2022



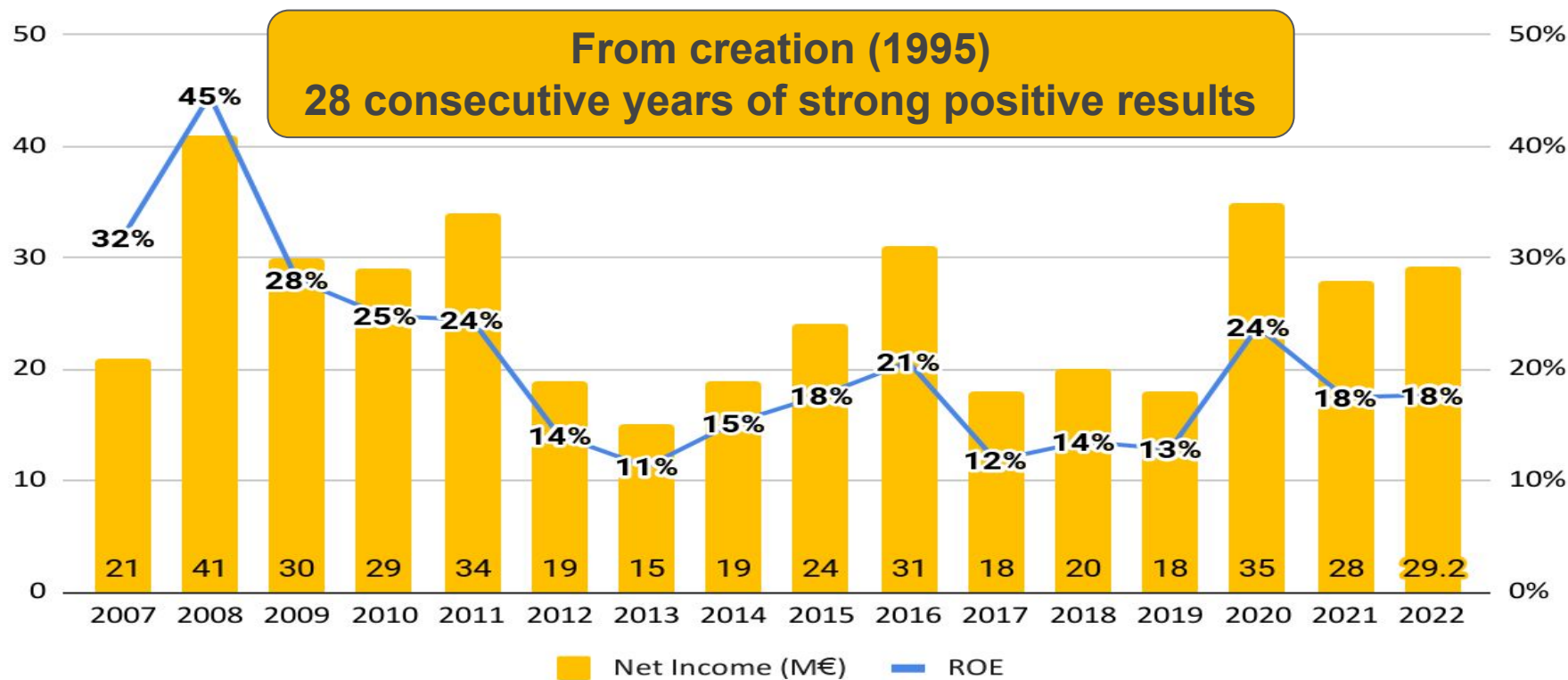
- Revenue from third party capital is historically in the 5%-20% range.
- Relative decrease during ABC 2022...because of an increased ABC Gross Profit...
- ...and a relative failure in increasing the third party AUM.

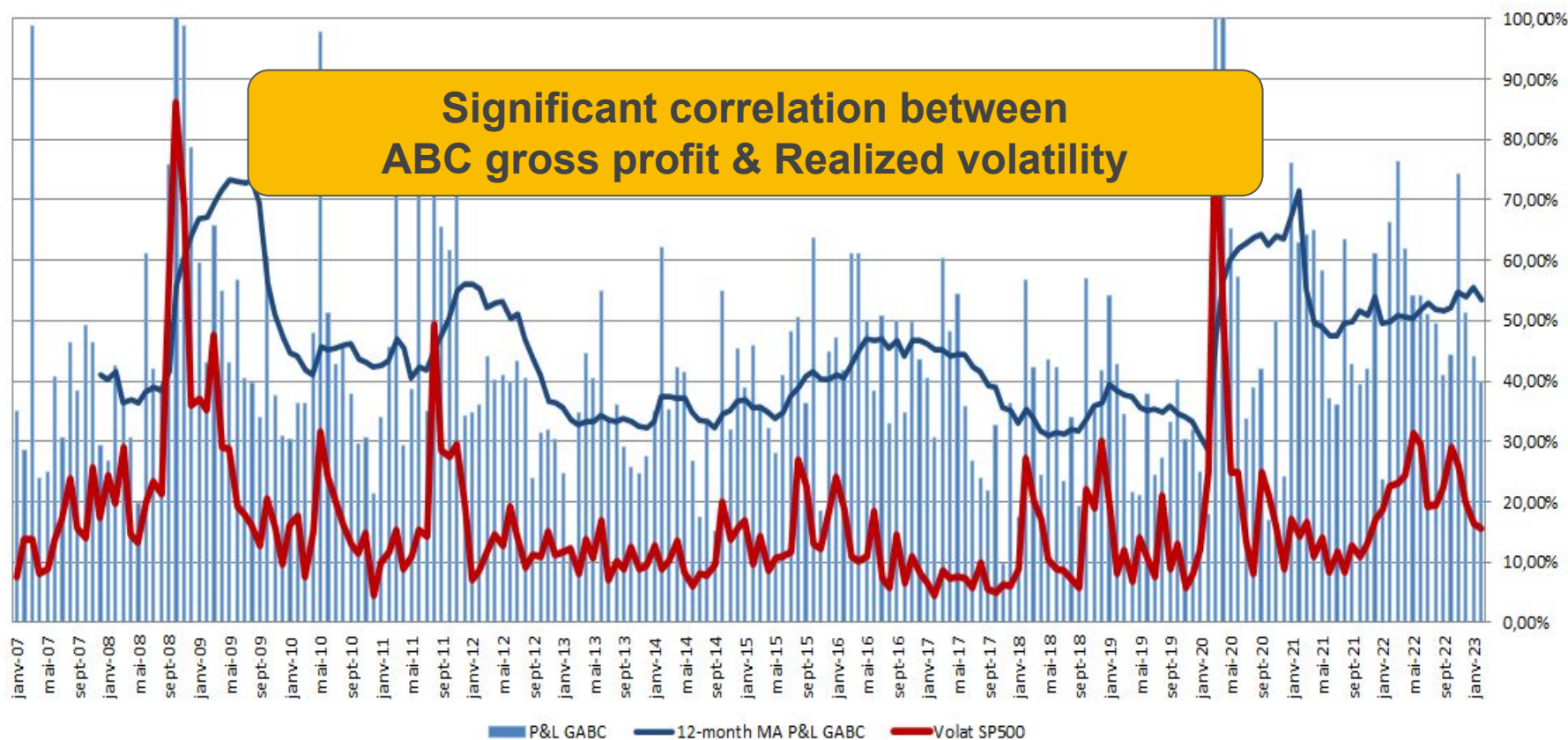




4. Review of ABC 2022 strategic plan.

Net Income (M€) and ROE

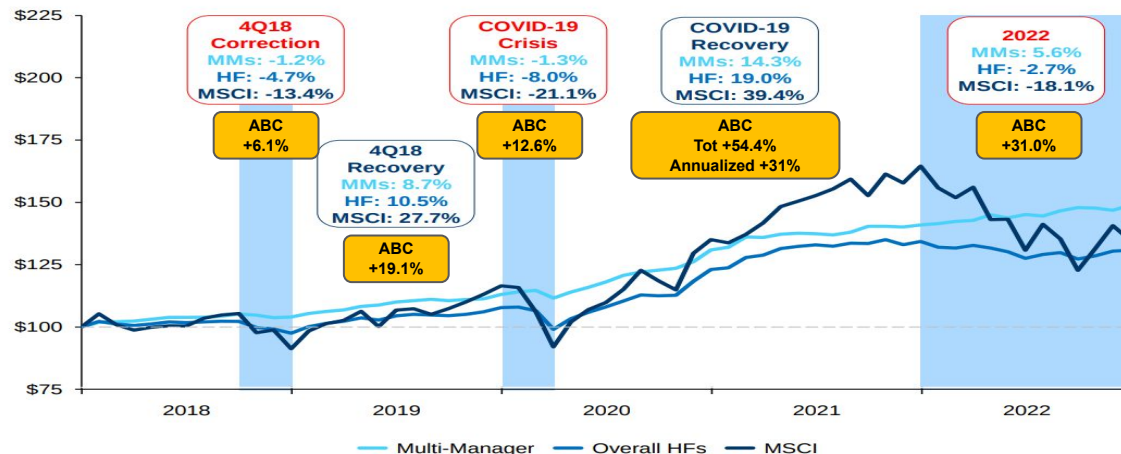




Drawdown Protection*

Multi-Managers have outperformed HF's overall and MSCI over the last 5 years, due to their steady return stream and downside protection during market drawdowns

HF Industry & MSCI World Returns (Indexed to \$100), Last 5 Years



% of Months Up When...	...MSCI is Up	Down
MMs	76.3%	86.4%
HF's	86.8%	22.7%

Alpha Generated When...	...MSCI is Up	Down
MMs	7.3%	4.8%
HF's	4.1%	-0.3%

100% Monthly Gross Return >> 0
100% Monthly Net Return >> 0

A "no bet" philosophy (+/-)
A little "pepote"

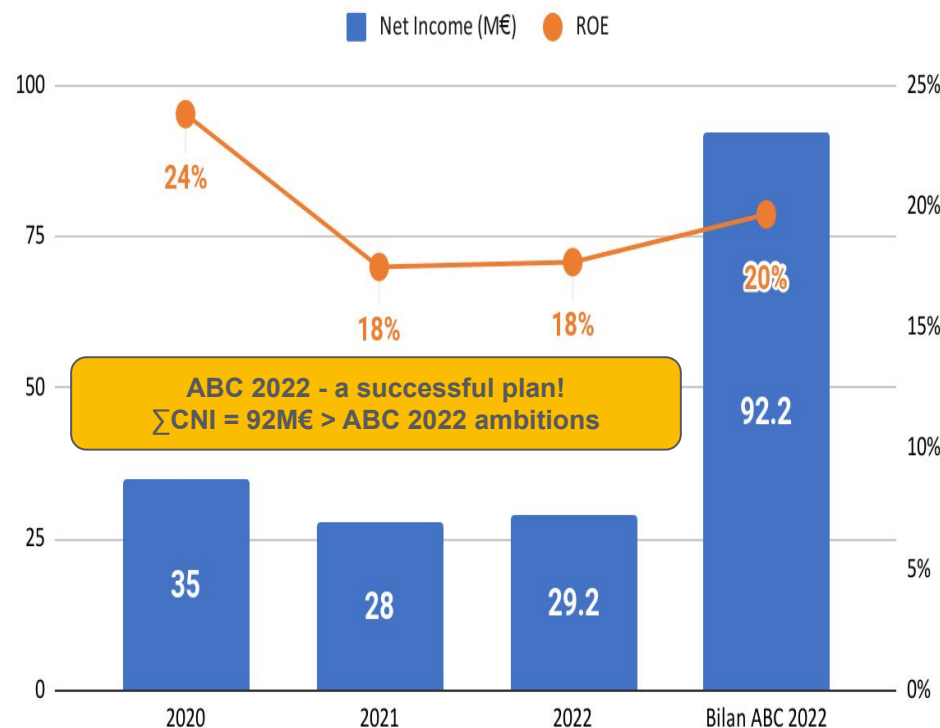
- Over the last three drawdowns, MMs have protected the downside better than the Overall HF Industry
- While MMs captured significantly less of the downside during drawdown periods vs. the HF Industry, MMs captured almost all of the upside relative to the HF Industry during the recovery periods
- In 2022, MMs have had negative downside capture, generating positive returns while the HF Industry and MSCI have both been down

Source: HFR, Barclays Strategic Consulting analysis, Note: drawdown returns are cumulative, while recovery returns are annualized

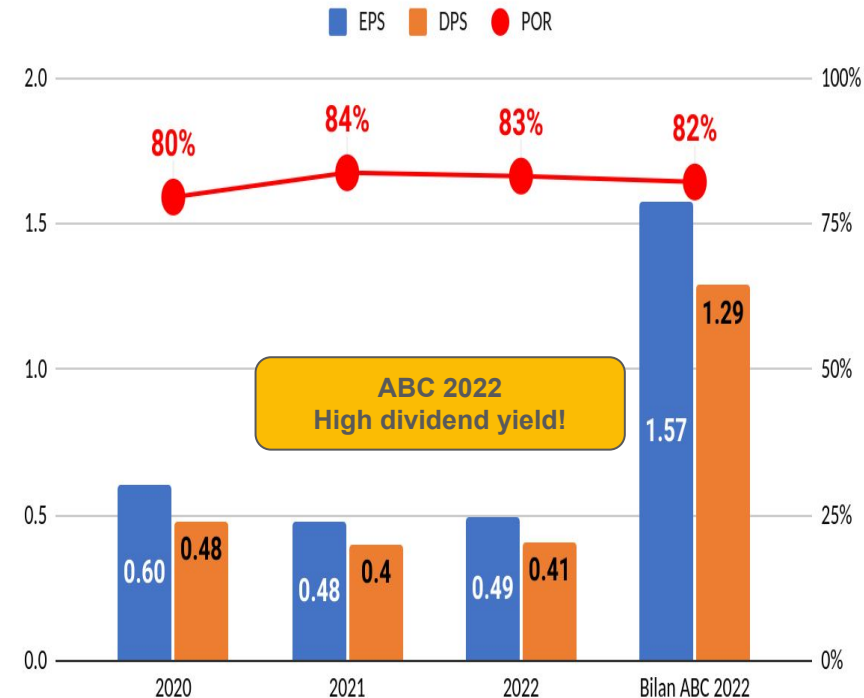


*Source: Barclays. Figures are all net of fees. ABC returns are a basic calculation of net returns by 80% x Gross returns.

Net Income (M€) and Return On Equity (ROE)

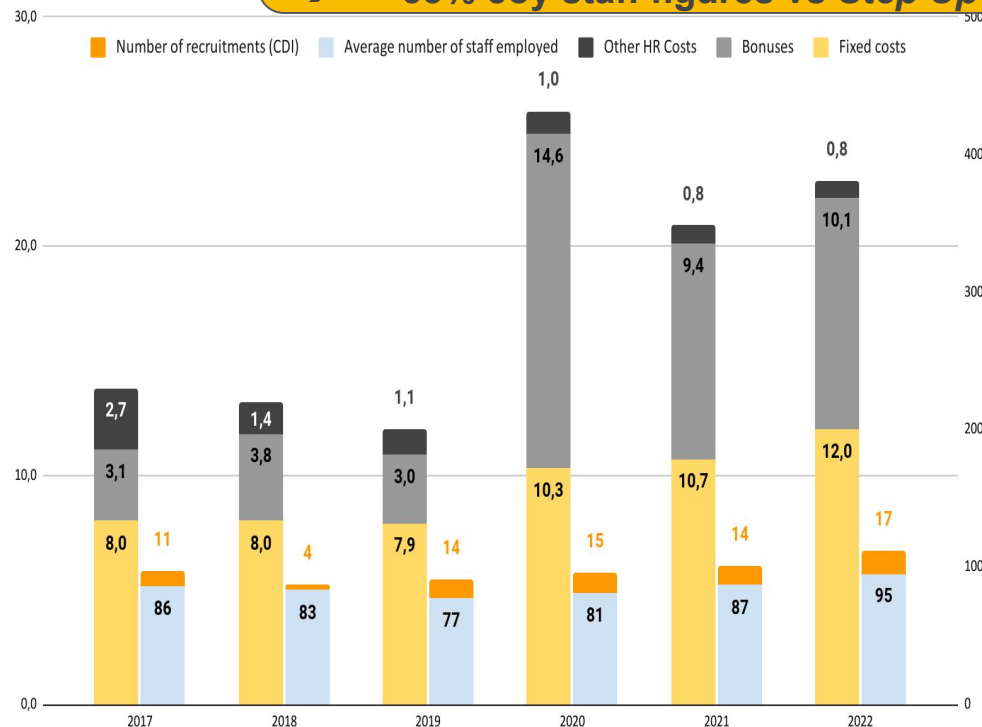


EPS, DPS and Pay Out Ratio

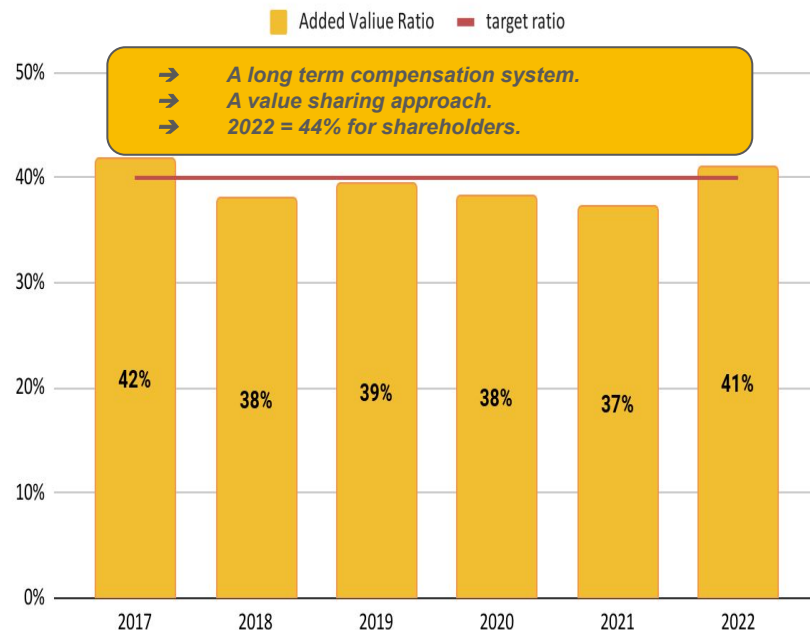


Significant increase of ABC Team

- +23% on average 2022 vs 2019 staff figures.
- +33% eoy staff figures vs *Step Up 2019*.



Added Value Ratio (vs 40% target)

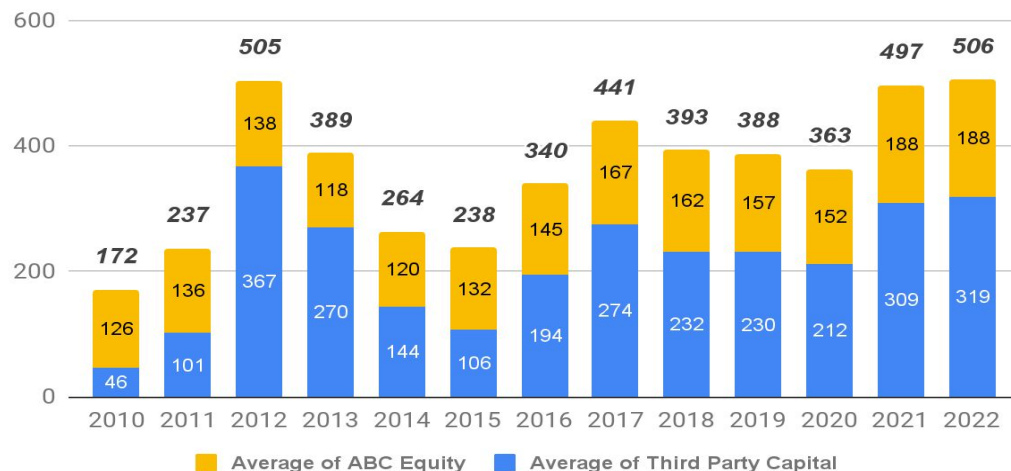


- A long term compensation system.
- A value sharing approach.
- 2022 = 44% for shareholders.

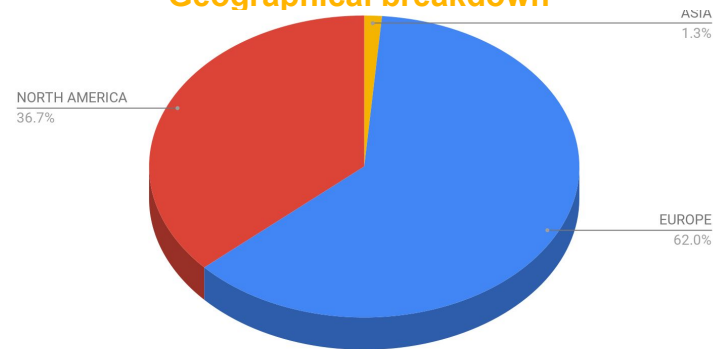
- ❑ Pre-2010: generated through trading of our own equity.
- ❑ Post-2010: opened to third party funds.
- ❑ Limited capacity strategies: via Managed Accounts.
- ❑ High Capacity strategies: via AIF (Alternative Investment Funds).

AUM as of 31/12/2022 = 403M€**
A deceptive decrease in the 2nd HY2022.

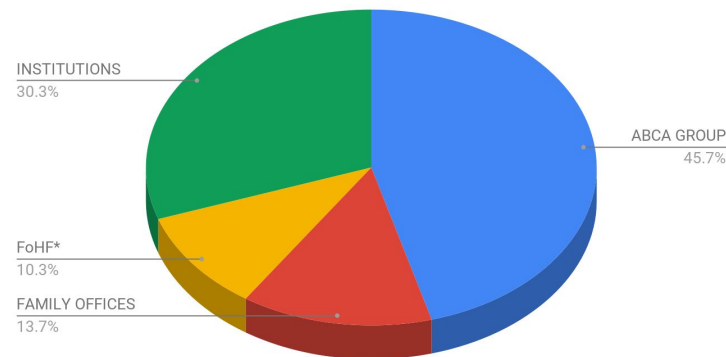
Average Group Asset Under Management



ABCA's AuM Geographical breakdown

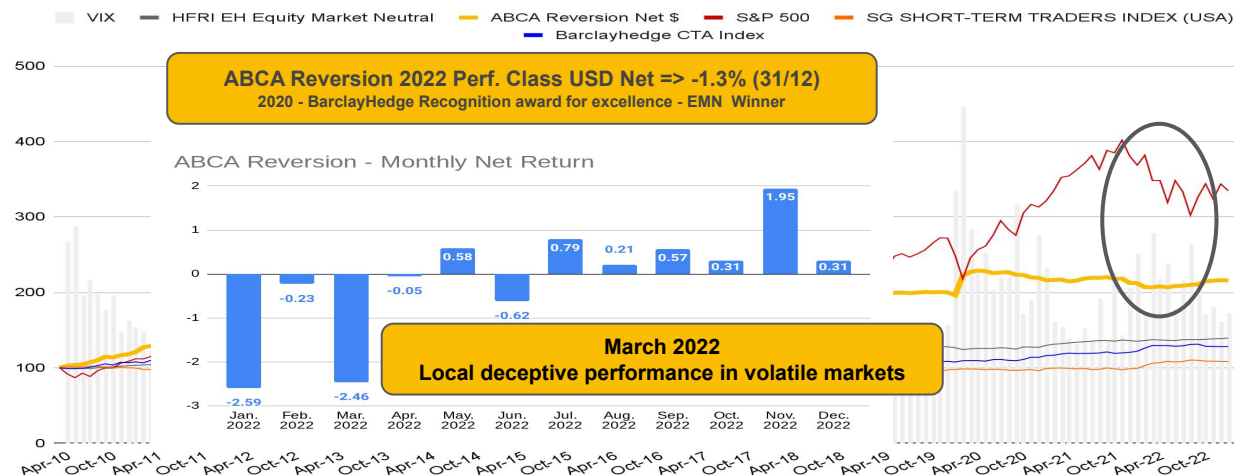


Investors' breakdown

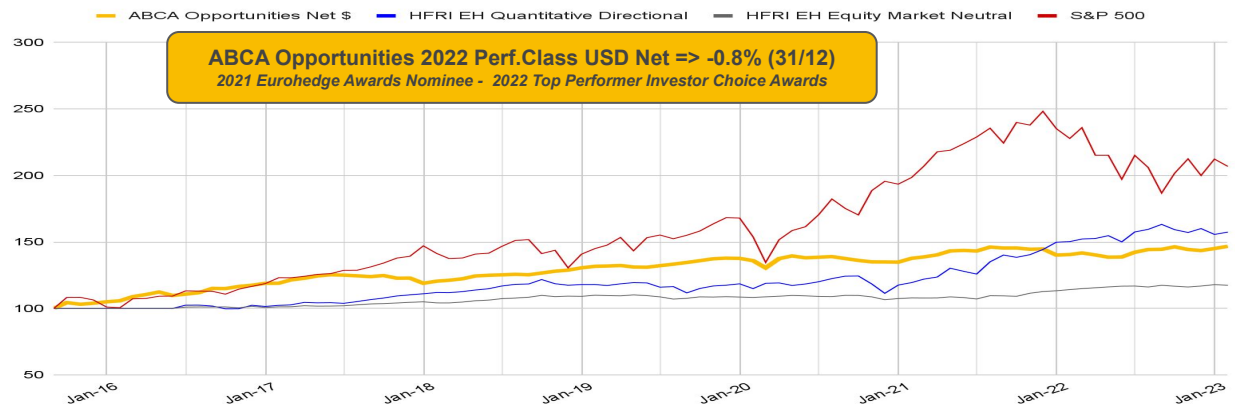


** This figure is a specific calculus to uniformize the AUM from a fee perspective. From a regulatory perspective, AUM are 365M€.

*Funds of hedge funds



28/02/2023	Annualized Performance	Volatility
Reversion Net \$	6.1%	5.3%
SG SHORT-TERM TRADERS INDEX (USA)	0.8%	5.3%
Barclayhedge CTA Index	2.0%	4.6%
HFRI EH Equity Market Neutral	2.6%	2.5%
S&P 500	10.6%	14.9%



28/02/2023	Annualized Performance	Volatility
Opportunities Net \$	5.3%	4.9%
HFRI EH Equity Market Neutral	2.5%	2.4%
HFRI EH Quantitative Directional	6.2%	8.0%
S&P 500	11.1%	16.2%

Successes

1. Creation of a dedicated commercial team + CRM Implementation.
2. New client base up from 500 to 1200 names.
3. New product launch as Managed Account.
4. New dev. for numerous managed accounts.
5. WiP to open a EU FIA Digital Assets Fund.
6. WiP to develop a strategies catalogue for ETP.

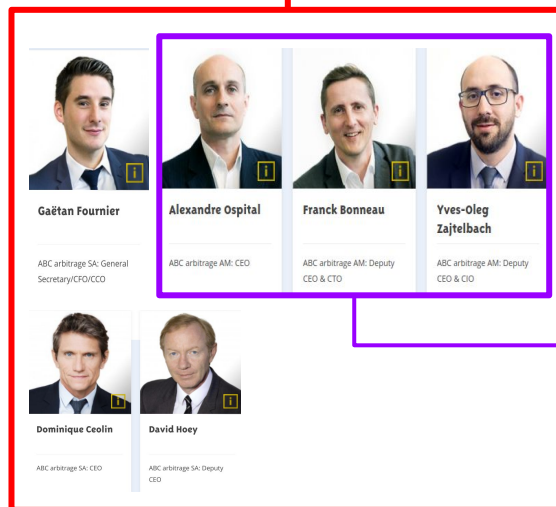
To improve

1. Deceptive return of ABCA Reversion in a volatile environment in March 2022...
2. ...With temporary negative csq on ETP AUM.
3. ETP AUM << **ABC 2022** ambitions.
4. Small product catalogue 2022 eoy.
5. Some delay on ETP catalogue especially in Digital Assets after FTX & Silvergate.

ABC Group - Implementation of a strong expertise COMEX ABC arbitrage Asset Management - New executive team

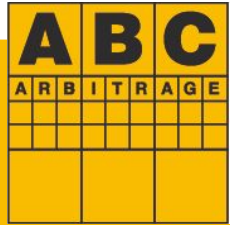
Objectives

- Increase ABC agility.
- Increase number of new projects/products.
- Decrease time to market.
- Guarantee a transition plan.
- Guarantee an independence from too few key people.



Realisations

- ABC Group - New **COMEX team**
- ABC arbitrage AM - **New Executive Team.**

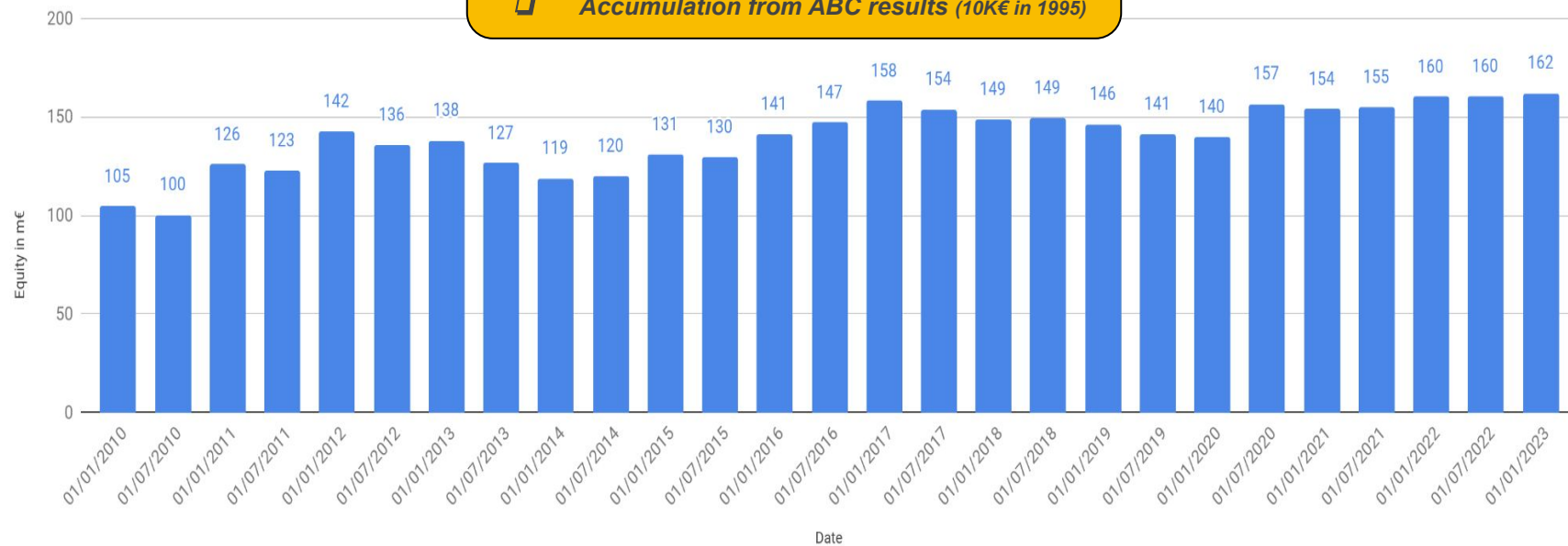


5. How we do it

ABC Equity as a strong development tool

- ▣ *High reactivity for seed money decision.*
- ▣ *High reactivity for market allocation.*
- ▣ *Independent from ext. client situation*
- ▣ *Accumulation from ABC results (10K€ in 1995)*

Equity in m€ vs Date



100+ people dedicated to ABC arbitrage Business

~10% - Risk Management

- ❑ Risk Control
- ❑ Process Control
- ❑ Risk Committee
- ❑ Compliance

~70% - R&D + Front

- ❑ Quant Traders & Research
- ❑ IT developers & IS
- ❑ Data analysis
- ❑ Operations
- ❑ Markets Lawyers

~10% - Sales

- ❑ Marketing
- ❑ Investor Relations
- ❑ Due Diligence Team
- ❑ Senior management

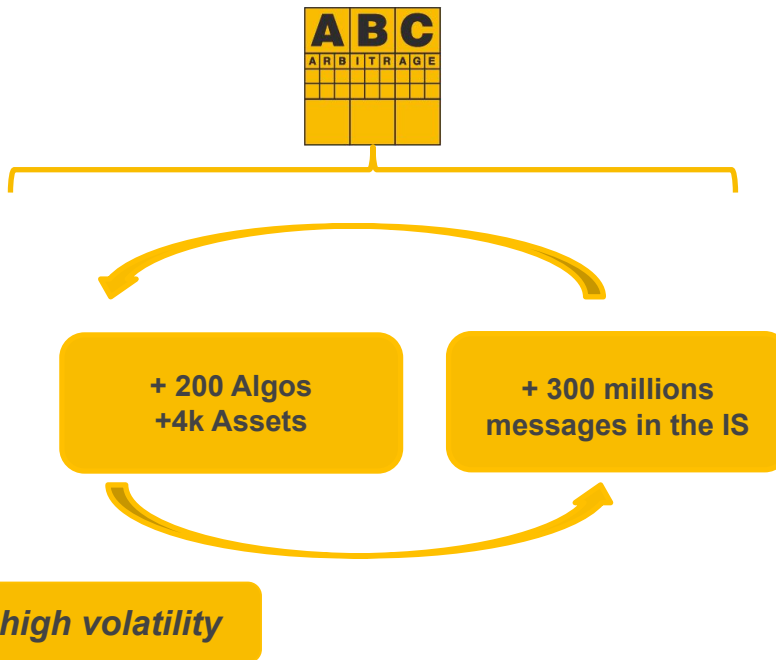
~10% - Support

- ❑ Human Resources
- ❑ Office Management
- ❑ Others (ABC arbitrage corporate, Com. etc...)

Tech company!

Robust internally-developed 24/7 trading systems*

- ❑ Billions of data elements processed each year
- ❑ Active in almost 100 markets across the world - 24/7
- ❑ Not a High Frequency Trading player but Top Tier 2

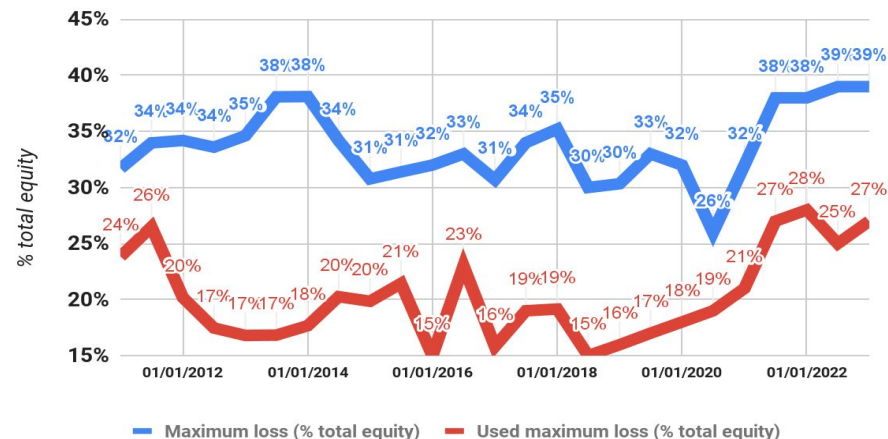


*Daily average figures

** All updates in the order books or trades for each share followed in ABCA's algos

Risk Mitigation Process

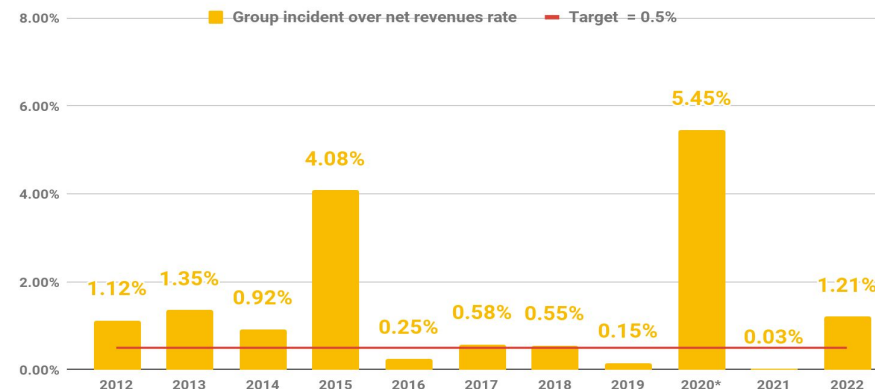
Maximum Risk Budget for ABC group since 2010



- Compound of “every” possible risk even “opposite” risks.
- No significant increase in the risk budget over time.
- Failover technology and counterparties in place for all trading and portfolio management requirements

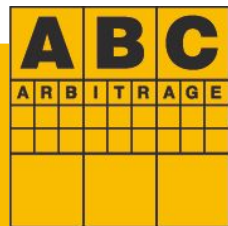
Strict Quality Control

Group incident over net revenues rate



- External incident* in Dec 2020 concerning 2016 to 2019.
- Excluding this incident*: 2020 ratio = 0.35%.

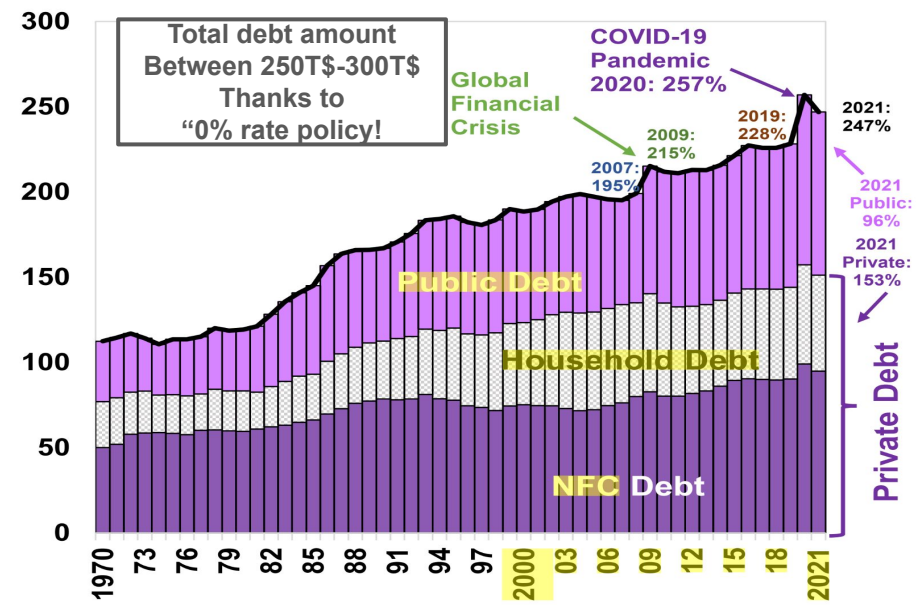
*recognised in FY 2020 Result, [2020 Annual Financial Report](#) - Page 61



6. *From 2023 to 2025...*
...Don't look up!

2022 Global Debt Monitor

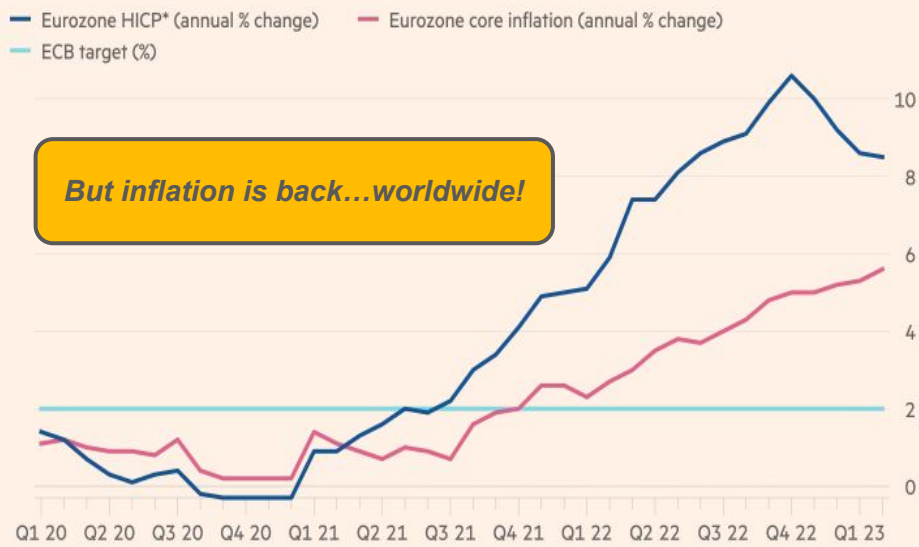
Figure 1. Global Public and Private Debt, 1970–2021 (Percent of GDP, weighted averages)



Source: IMF Global Debt Database, 2022

An economic world with contradictory pressures!

Eurozone inflation remains uncomfortably high

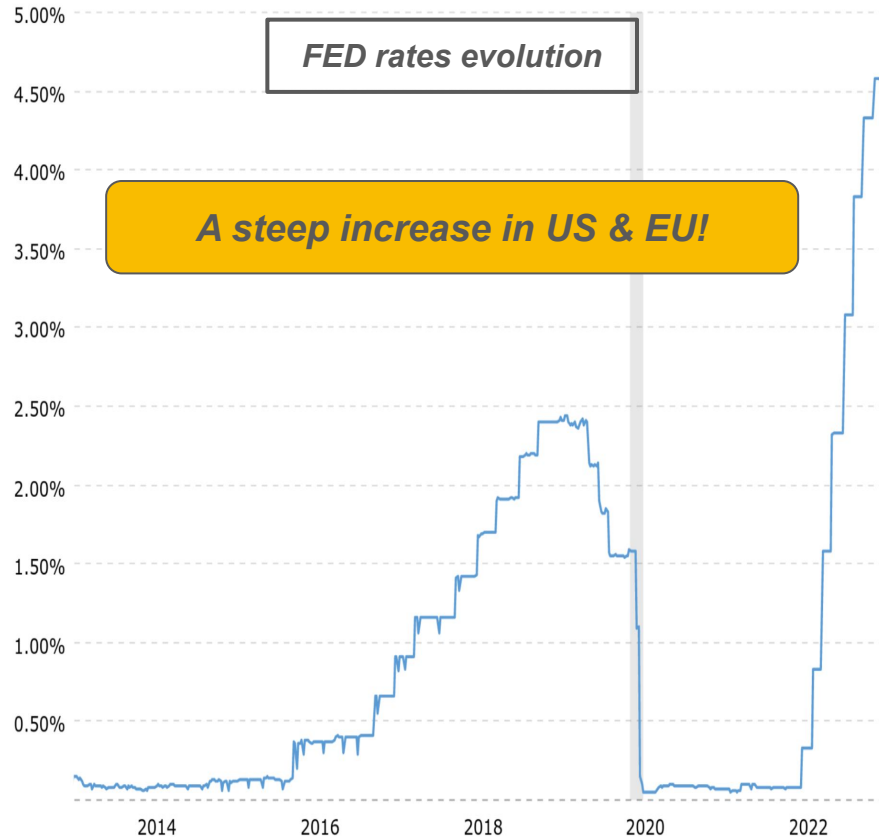


*Harmonised index of consumer prices
Source: Eurostat
© FT



FED rates evolution

A steep increase in US & EU!



Taux historiques de la BCE

ECB rates evolution

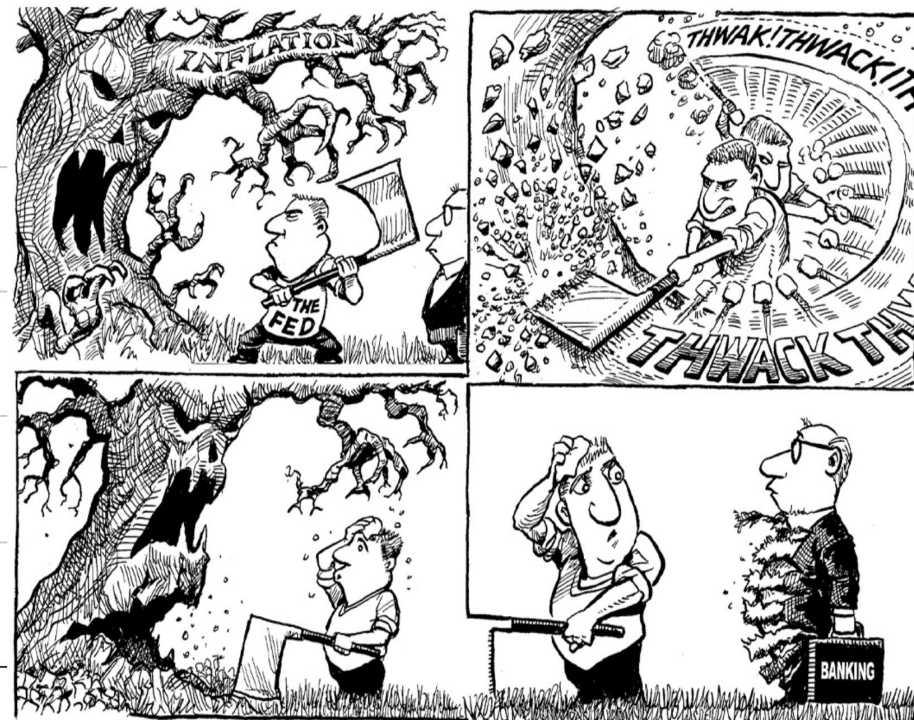
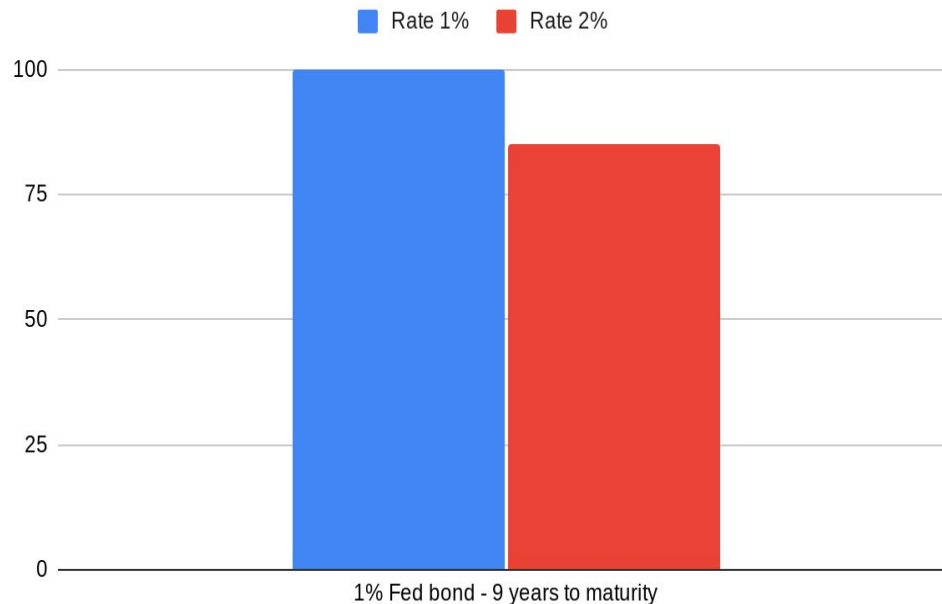
Zoom 1m 6m 1a tout

de 1 Jan 1999 à 18 Mar 2023



Too long of a period with “negative” rates and a way too brutal rate hike => Look up!!

MTM evolution with a rate evolution from 1% to 2%

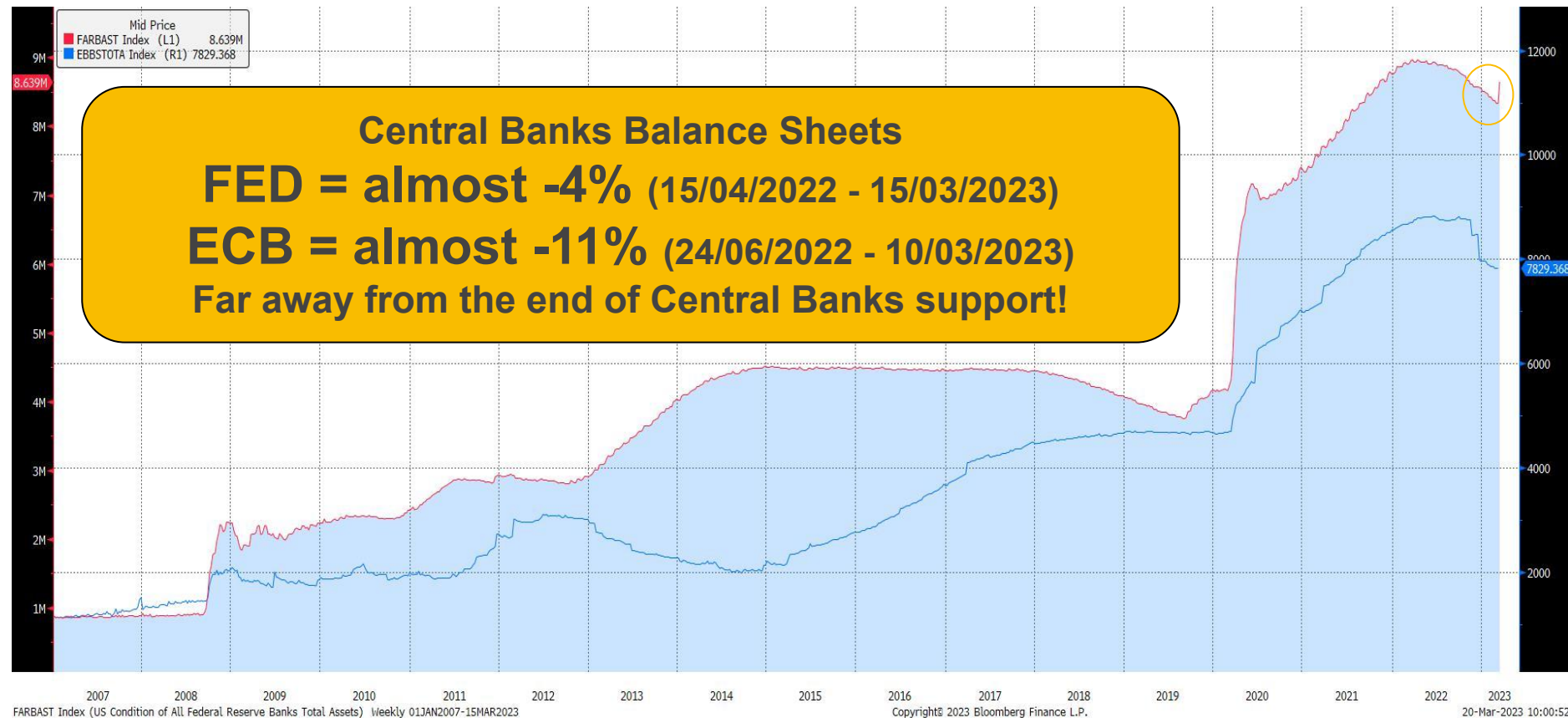


From “The economist” - illustration: @kaltoons1



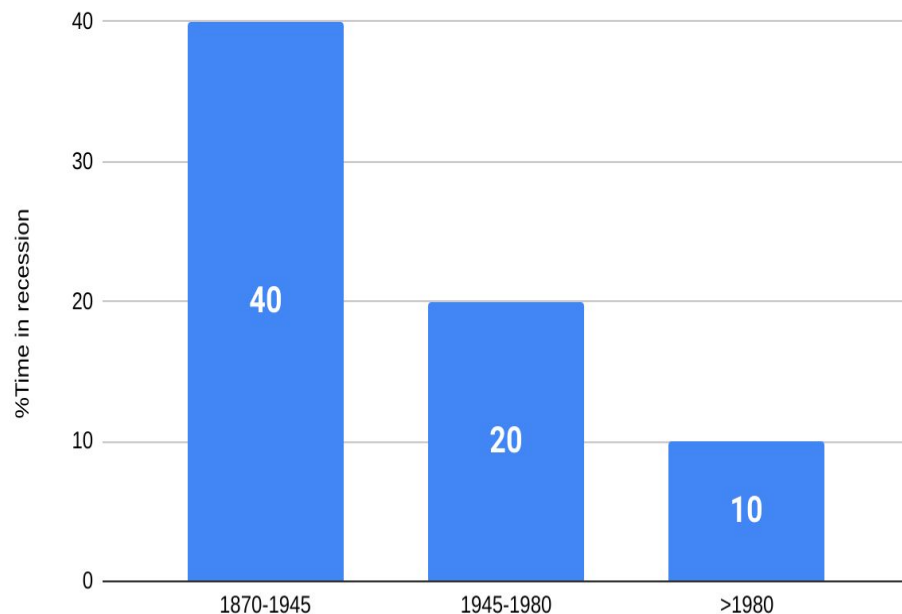
Some reasonably logical difficulties in bank sector...and it's probably not over yet!
Markets & Govt's should have prepared the end of "negative rate paradigm" more carefully!
Stop the Moral Hazard! (SVB - 100% deposit guarantee & CS - Shareholders > CoCo invest.)



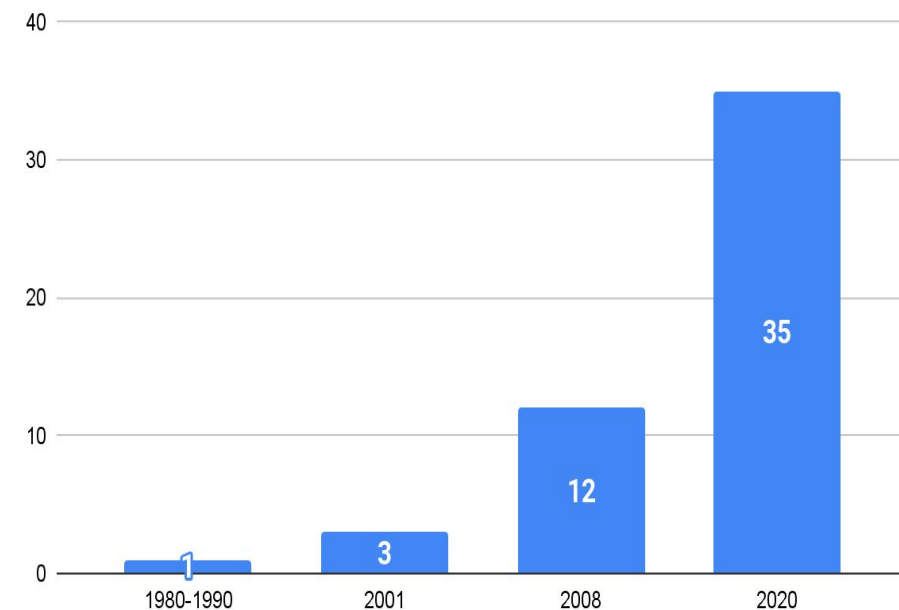


The democratic world is not ready for the long grind to come!*

%Time in recession



Gov. spending & Central banks purchases in %GDP equiv.



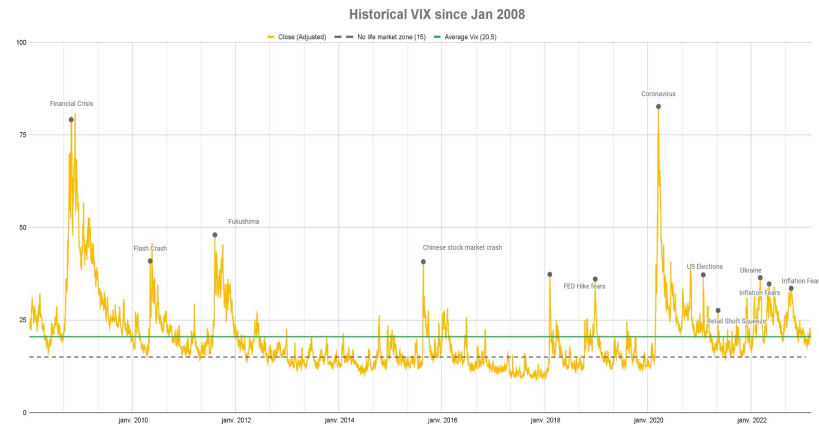
**Source: Ruchir SHARMA - Chairman of Rockefeller International.*

PE ratio - Among the highest!

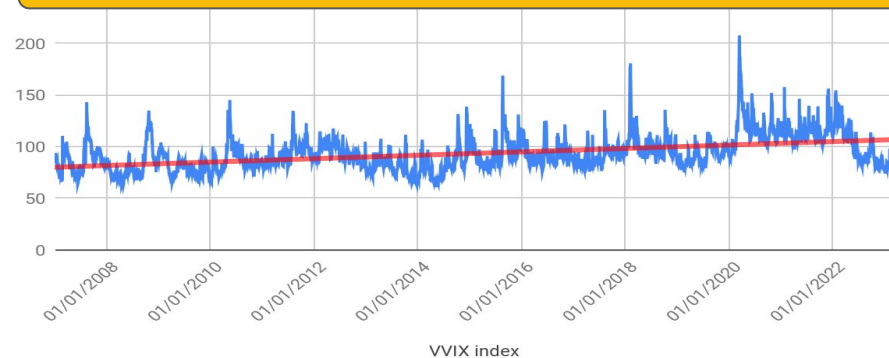
Historical average = 16

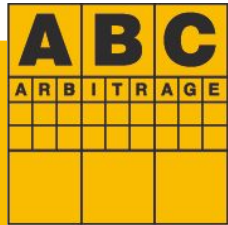
Shiller ratio - Among the highest!

Historical average = 15



Substantial probability of a new paradigm of normalized volatility.





7. *Springboard 2025*
For today and for tomorrow!



Springboard 2025 income targets.

- ROE Min > 10% => annual CNI of 16M€ based on ABC Equity as of 31/12/22.
- ROE Target >= 15% => annual CNI of 24M€ based on ABC Equity as of 31/12/22.
- Keeping predictive CNI correlated to ABC's Historical 3 Market Parameters (3MP).

An ambition of Cumulative Net Income of 100M€ over 3y.

*Under the assumption that the 3 Market Parameters (Volatility, Corporate Actions and M&A, Traded volumes) = Average last 10 years**

- implies a cumulative distribution of 1.30€ over 3 years with a POR of 80%.
- implies an average ROE >> 15%.

Springboard 2025 distributions figures.

- Min Distribution of 0.30€ (ie Consolidated Net Income (CNI) ~ 18M€).
- Payout Ratio (POR) ~ 80%.
- A principle of "no Scrip Dividend".

*Market Parameters - Average 10 years - Volatility VIX = 18%. Average realized volatility = 18%

Cornerstones for Springboard 2025

- Cornerstone 1 - ABC Equity invested in ABC strat. - For Return & Seed Money.
- Cornerstone 2 - Substantial group investment in HC but under PnL threshold.
- Cornerstone 3 - Substantial group investment & implication in IT.
- Cornerstone 4 - Develop scalability to succeed in further growth.

Core Business (CB)

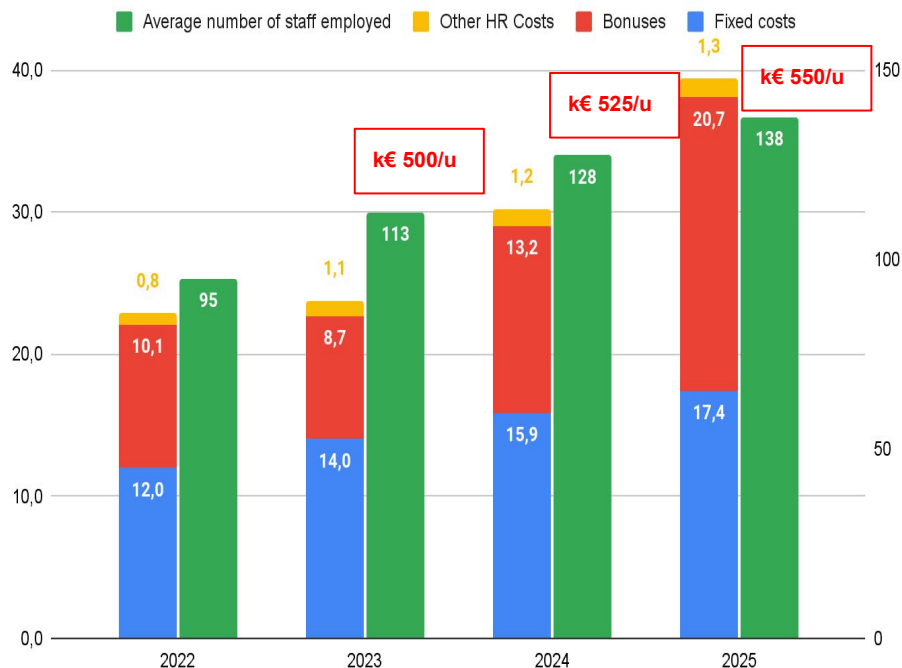
- Continued diversification - Multi Assets / Geography / Investment Strat.
- Focus on significant alpha strategies with global correlation to the 3MP.
- Focus on “niche” investment strat. (from 5M€ to 100M€ capacity).
- Increase the number of our strat. to increase our diversification/mutualization.

Asset Management for External Third Party (AM-ETP)

- Increase the capacity for AM-ETP.
- Renew AM-ETP business & develop Turnover on MF&PF ETP.
- Focus on our expertise - ABC is not a global player so far.
- Develop an extensive but selective catalog of products & management vehicles for ETP.

HC Costs Management

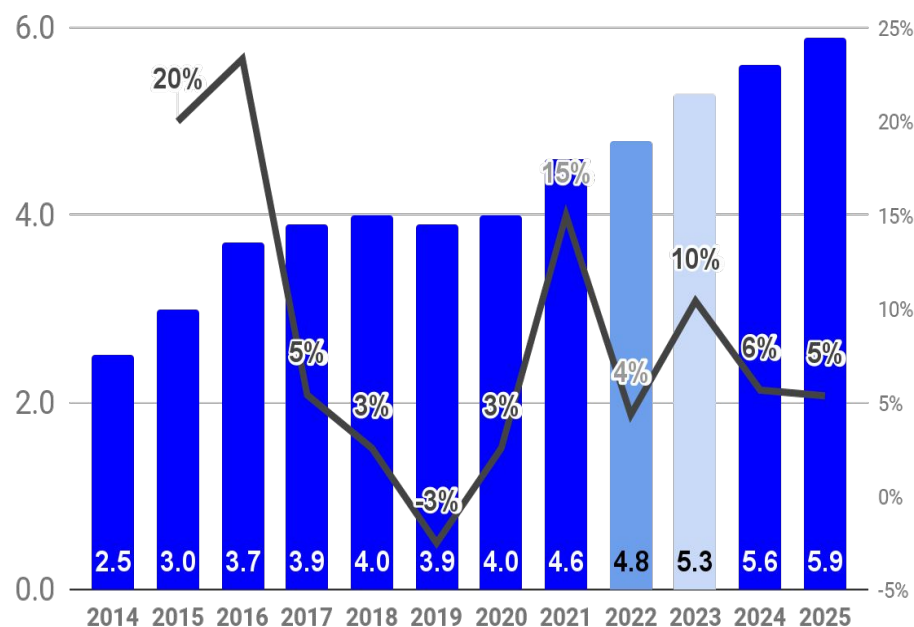
- Monitoring of the KPi - PnL/unit to challenge hiring plan
- +33% on ABC staff



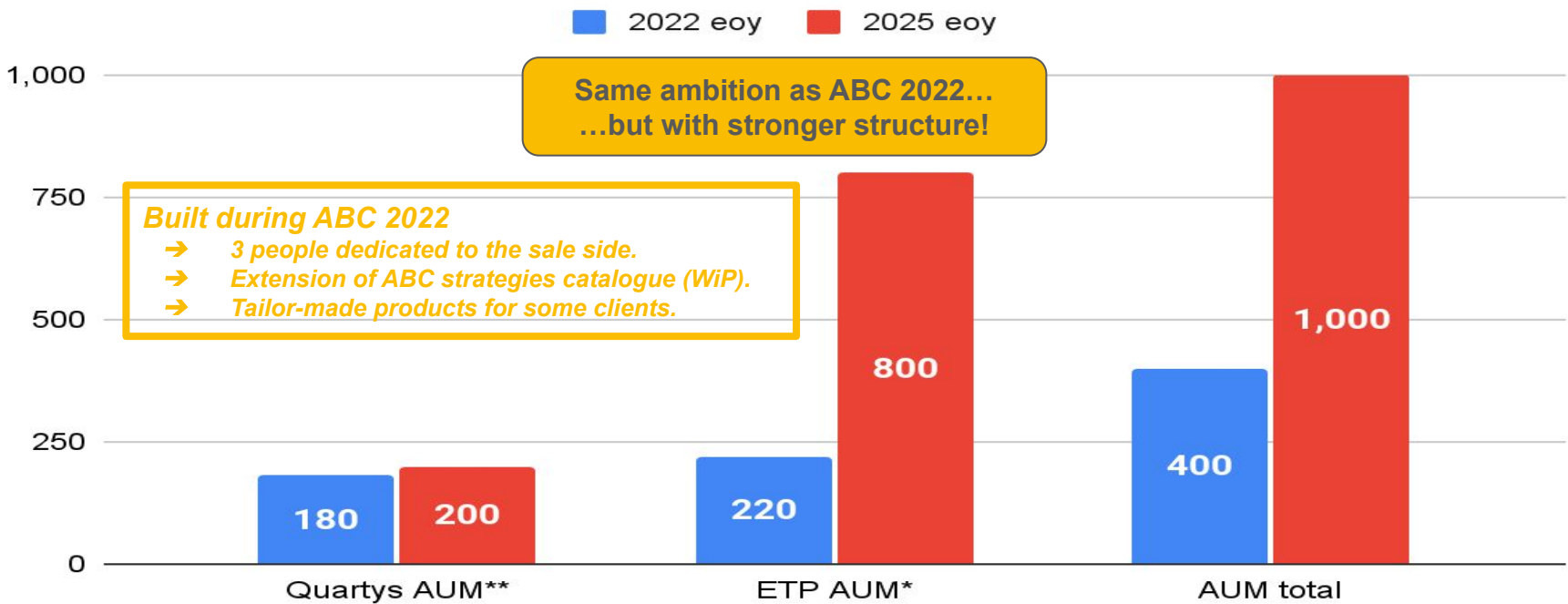
IT Costs - Stay in the competition!

An investment in agility and performance.

IT costs (M€)



ABC arbitrage ambitions for Asset Management

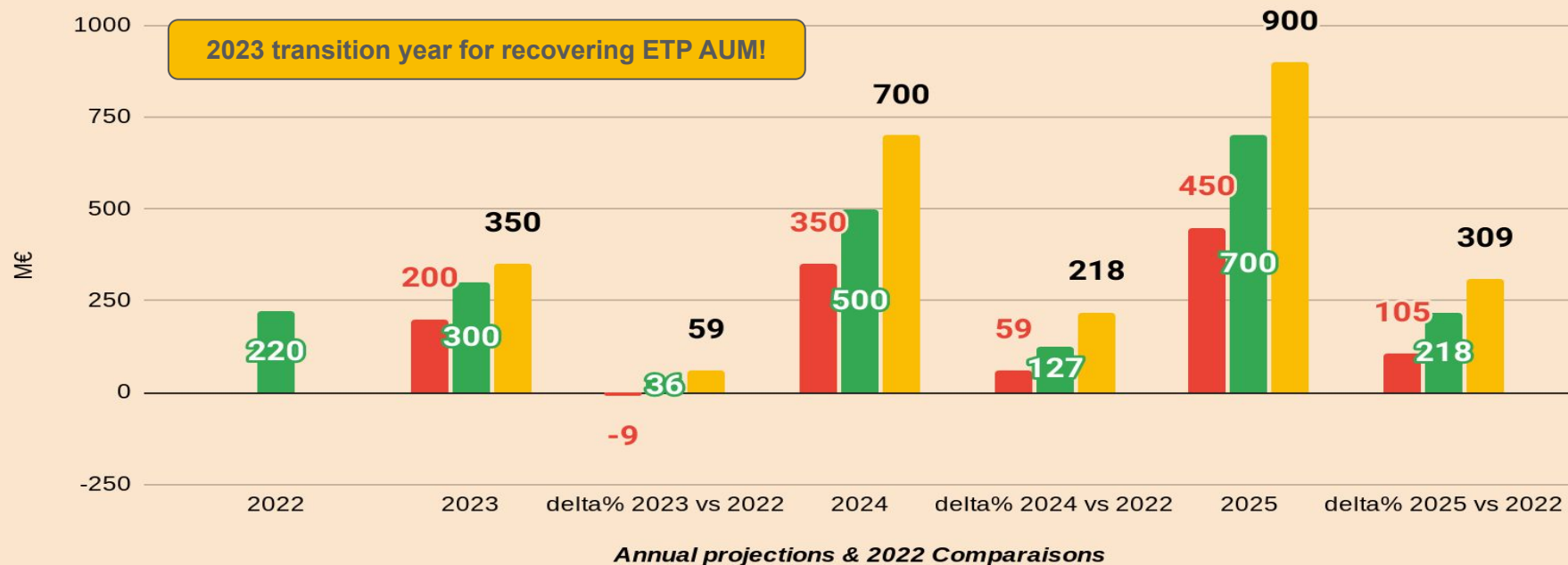


*ETP = External Third Party, i.e. excluded ABC arbitrage Equity. AUM = Asset Under Management.
**QUARTYS AUM = Asset Under Management used to charge fees by ABC arbitrage AM and ABC arbitrage AM Asia. QUARTYS is a 100% subsidiary of ABC arbitrage.

V2 - Asset Under Management ETP Scenarios

With BP2025 Market Parameters = Average 10 years

Poor Good Outstanding



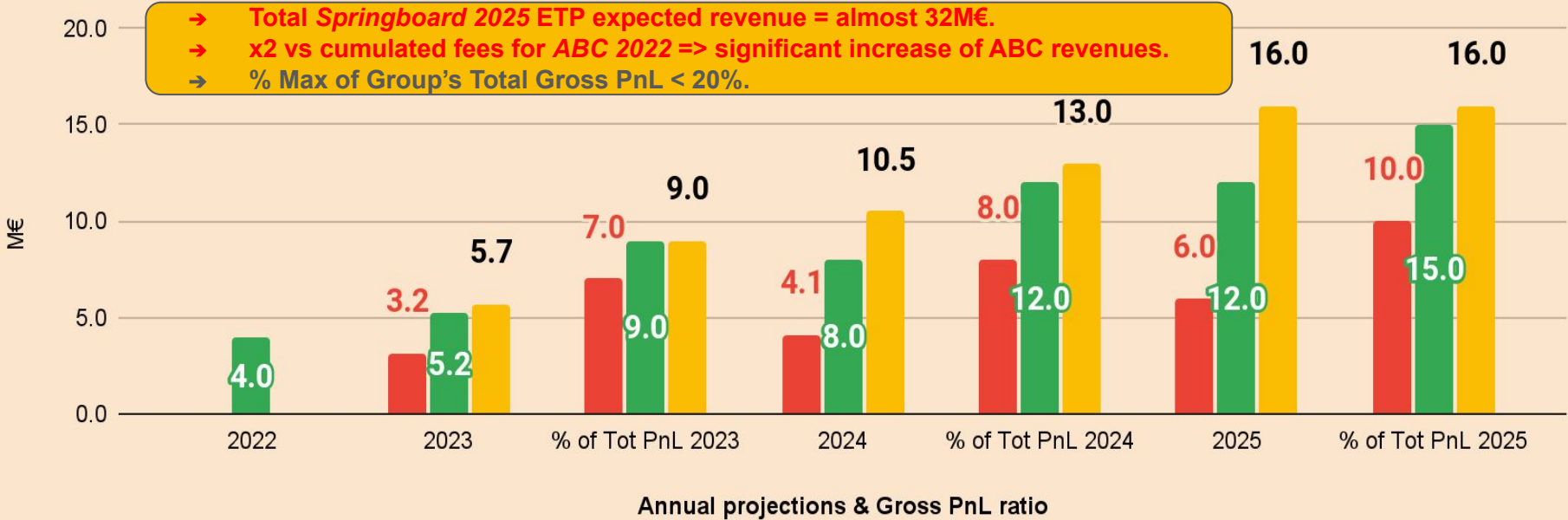
*ETP=External Third Party, i.e. excluded ABC arbitrage Equity.

Annual Gross MF+PF Scenarios (from ETP only)

With BP2025 Market Parameters = Average 10 years

Poor (Turnover rate of 1.5%) Good (Turnover rate of 2%) Outstanding (Turnover rate of 2%)

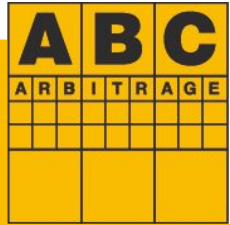
→ **Total Springboard 2025 ETP expected revenue = almost 32M€.**
→ **x2 vs cumulated fees for ABC 2022 => significant increase of ABC revenues.**
→ **% Max of Group's Total Gross PnL < 20%.**



*ETP=External Third Party, i.e. excluded ABC arbitrage Equity.



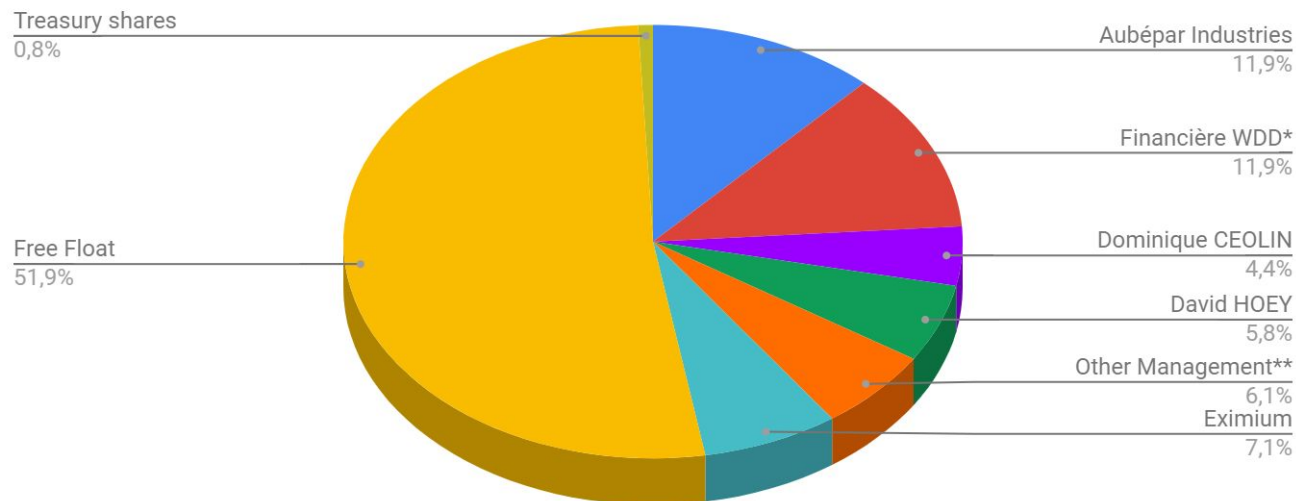
***Springboard 2025* is a necessary lay up
for the the next BP2028!**



8. Shares & Distributions

22% owned by Executive Top management => Alignment of interests between Shareholders and Management Team

Share ownership as of 31/12/2022

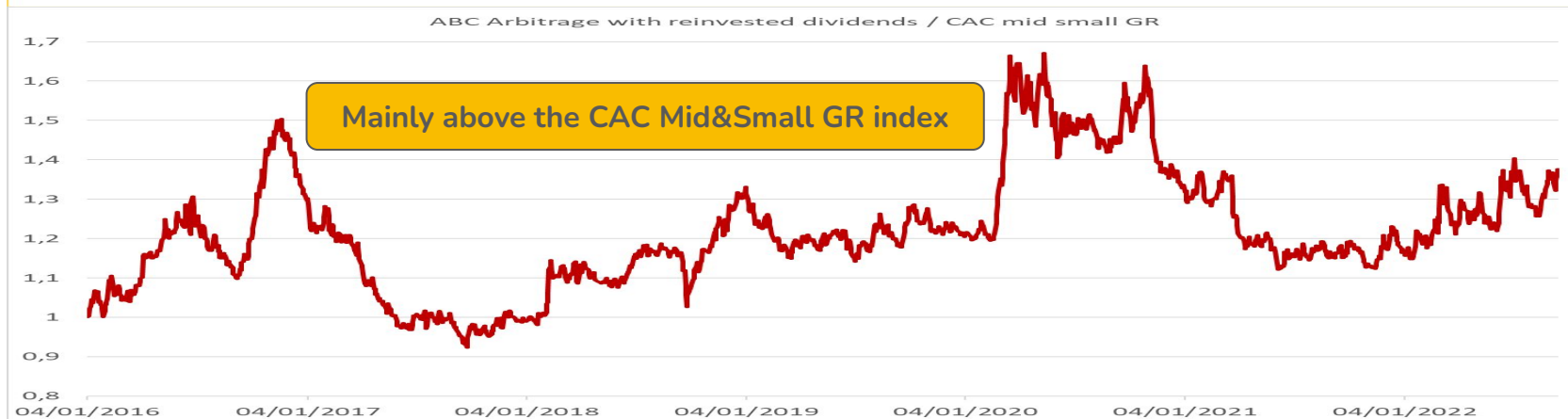
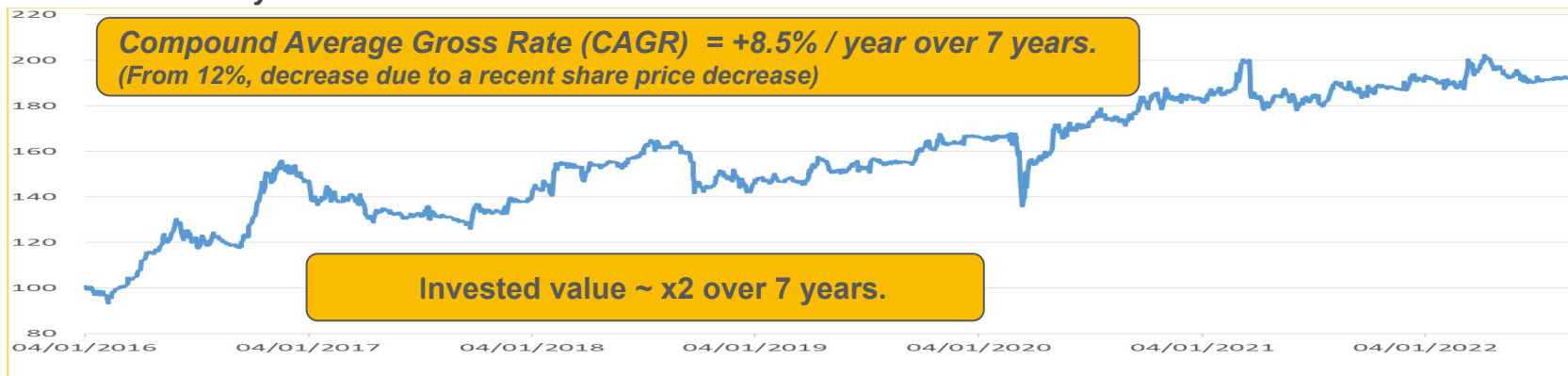


** Holding company 50,01% held by Dominique Ceolin*

*** Management and independent non-executive directors excluding Dominique Ceolin and David Hoey*

ABCA share price with reinvested dividends and CAC mid / small GR

base 100 = January 4th 2016



FY2022 distribution = €0.41

- ❑ €0.10 – Ex date 11 October 2022.
- ❑ €0.10 – Ex date 6 December 2022.
- ❑ €0.10 – Ex date 18 April 2023.
- ❑ €0.11 – Ex date July 2023 - 2022 final dividend*

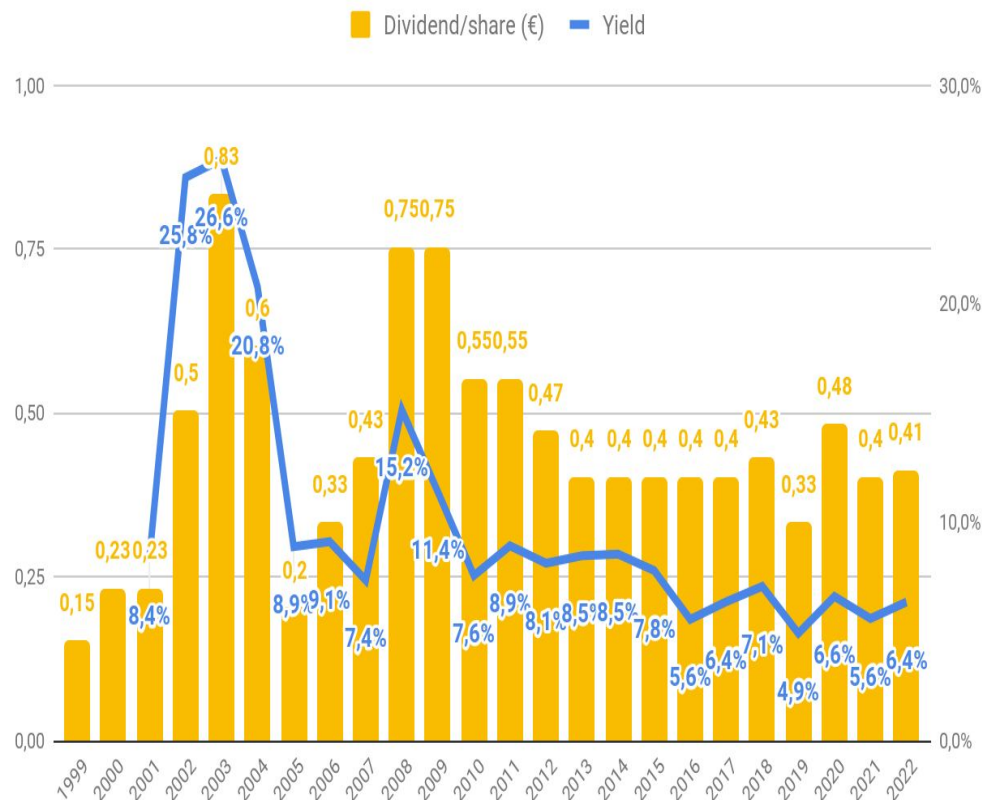
*: if approved by the AGM

Buyback program

- ❑ €4m authorization by the Board in line with AGM resolution of 10th June 2022
- ❑ ~1% of share capital

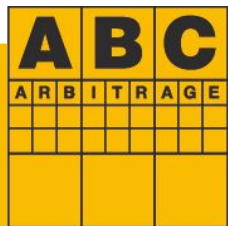
Payout Ratio (POR) Policy

- ❑ Since 1999, average POR = 95%
- ❑ 2020 & 2021 & 2022 ~ 80%



This slideshow is a communication support for the investor presentation on FY 2022. This document includes some forward-looking statements as statements regarding ABC arbitrage business operations. Although ABC arbitrage believes its expectations are based on reasonable assumptions, these forward-looking statements are subject to numerous risks and uncertainties, which could cause actual results to differ materially from those anticipated in these forward-looking statements.

These documents and information are given for illustrative purposes and do not substitute for official documents relating to the 2022 financial year.



Q&A