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28 September 2019

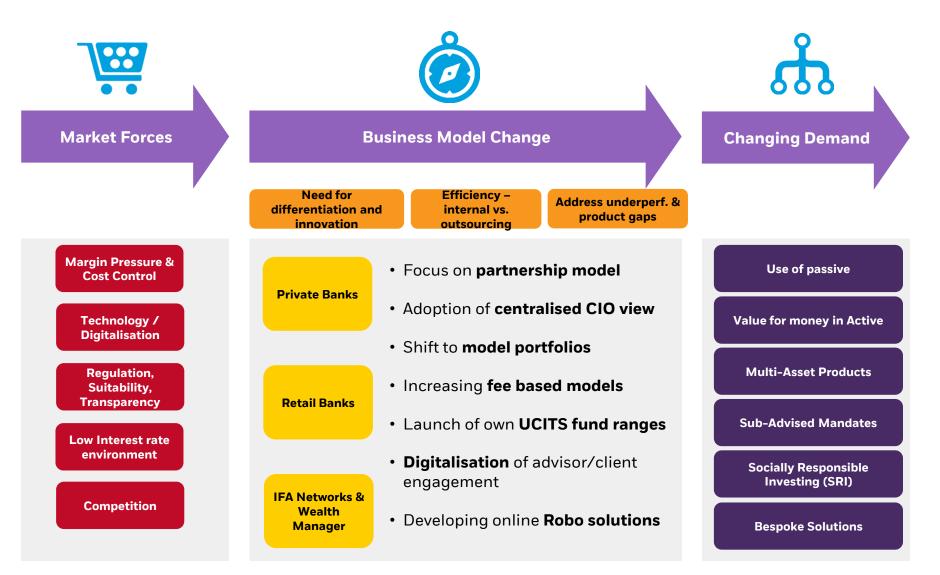
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Wanneer beleggen in actieve fondsen en wanneer in ETF's?

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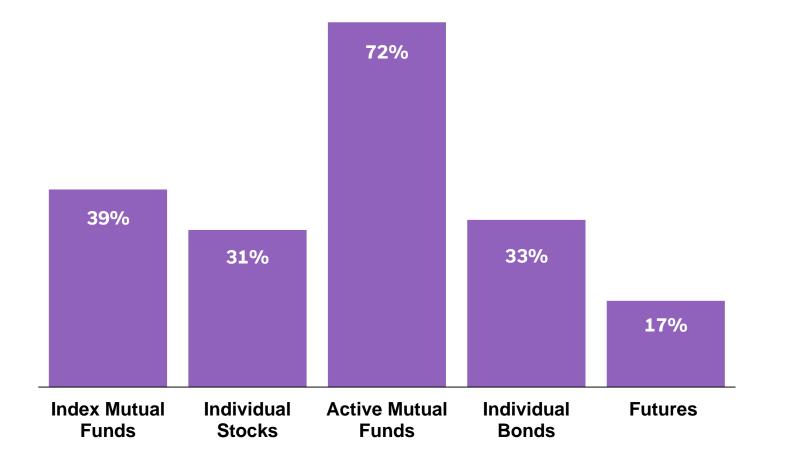
Perfecte storm voor de industrie

Een perfecte storm leidt tot nooit geziene veranderingen bij onze klanten



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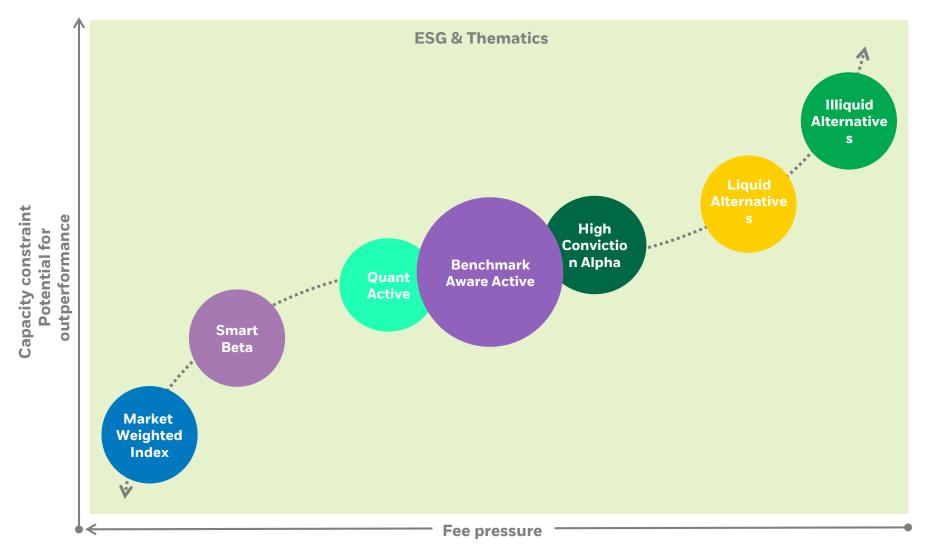
De stille opgang van passief beleggen



Source: Greenwich Associates, données au 1er trimestre 2019

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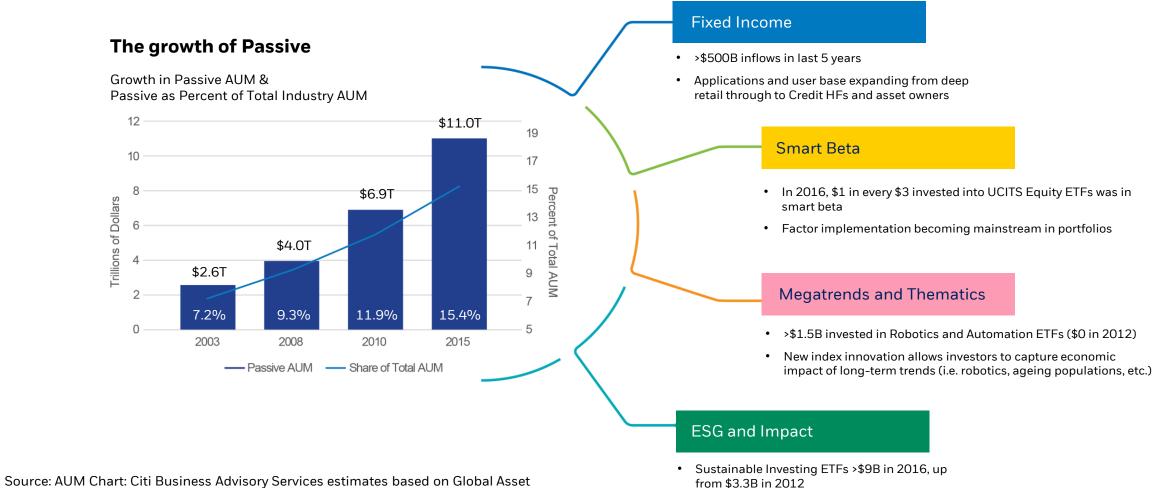
In het fondsenaanbod ziet men een shift naar de 2 uitersten



Source: BlackRock, 2018. For illustrative purposes only.

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Trends in Passief Beleggen



• From "nice to have" to an essential

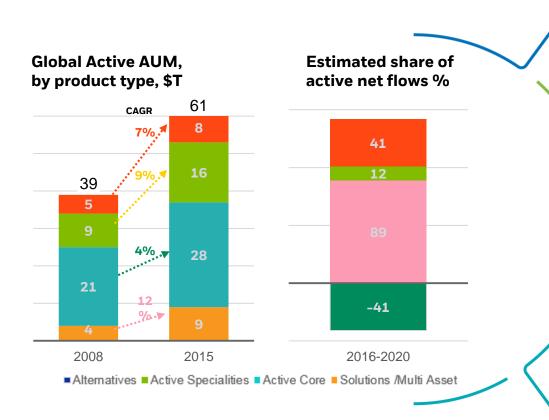
requirement of many investors across EMEA

Management 2016: Doubling Down on Data, The Boston Consulting Group,

Source: Flows: Citi Business Advisory Services based on data from eVestment, Preqin, HFR, Strategic Insight, BlackRock ETP report, IMA, OECD, Towers Watson, P&I Lipper

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Trends in Actief Beleggen



Source: AUM Chart: Citi Business Advisory Services estimates based on Global Asset Management 2016: Doubling Down on Data, The Boston Consulting Group,

Source: Flows: Citi Business Advisory Services based on data from eVestment, Preqin, HFR, Strategic Insight, BlackRock ETP report, IMA, OECD, Towers Watson, P&I Lipper

Alternatives

- Global assets quadrupled from 2003-2015 (\$2T to \$8T)
- Hedge funds remain a key component of the universe, private asset classes are growing in prominence and Retail clients maintain strong appetite for UCITS alts

Active Specialties

- Growth rate significantly faster than Active Core (2008-2015 CAGR 9% vs. 4%)
- Proven demand for alpha generation and exposures that are difficult to replicate
- Renewed desire to build satellites with high conviction strategies

Solutions / Multi Asset

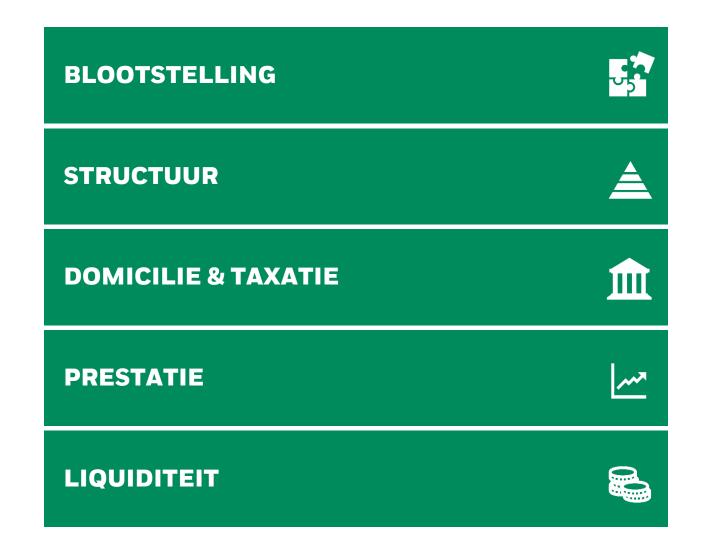
- EMEA sub-advised AUM grew 17% pa since 2010
- Solutions on the rise, especially given high penetration rates in mass affluent and HNW

Active Core

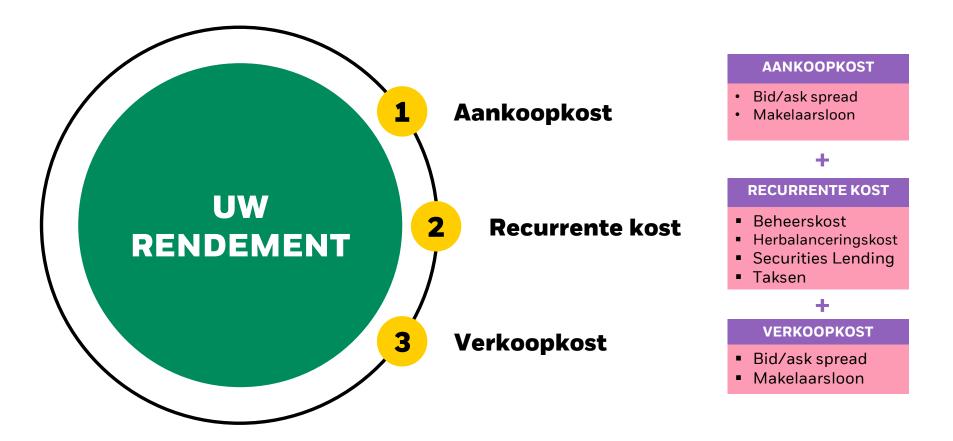
- Challenged by ETF and index offering
- Forecast to account for -41% of global active asset management flows between 2016-2020
- Next innovation frontier in low cost / low tracking error, catalysed by technology

Hoe beleggen in ETF's?

5 regels om te beleggen in ETF's



Total Cost of Ownership (TCO)



Hoe actief en passief combineren in een portefeuille?

Factor investing



Factoren zijn voor effecten wat ingrediënten zijn voor voeding

There can be no assurance that performance will be enhanced or risk will be reduced for funds or strategies that seek to provide exposure to certain quantitative investment characteristics ("factors"). Exposure to such investment factors may detract from performance in some market environments, perhaps for extended periods. In such circumstances, a fund or a strategy may seek to maintain exposure to the targeted investment factors and not adjust to target different factors, which could result in losses.

Macro & stijlfactoren

Understanding factors

BlackRock's definitions of macro and style factors



Explain returns *across* **asset classes** Primary drivers of returns that have historically rewarded investors for taking on non-diversifiable risks



Explain returns within asset classes Historically rewarded characteristics that capture a risk premium, behavioural anomaly or structural impediment

ECONOMIC GROWTH	CREDIT	VALUE	MOMENTUM		
Exposure to the	Risk of	Companies priced	Taking		
business cycle	company defaulting	at a discount	on trends		
REAL RATES	EMERGING MARKETS	CARRY	LOW VOLATILITY		
Risk of	Exposure to political	Harvesting	Lower volatility		
rising rates	and sovereign risk	income	than broad market		
INFLATION	LIQUIDITY	SIZE	QUALITY		
Risk of	Exposure to	Small versus large	Companies with		
changes in prices	illiquid assets	companies	high-quality balance sheets		

Source: BlackRock Investment Institute, July 2018. Notes: This graphic shows BlackRock's definitions of macro and style factors. It is for illustrative purposes only.

Optimaliseren actief en passief



Source: BlackRock Investment Institute, July 2018. Notes: This box shows different sources of return and whether they can be currently acquired with an indexing, factor or alpha-seeking strategy. 'Self-generated' refers to alpha investors can generate themselves using index/ETF products.

1 The methodology of our empirical work on manager returns is in the appendix. Here we refer to the gross returns of the median alpha-seeking manager.

2 Our sample was about 4,500 managers in the Morningstar database across 21 asset classes between 1997 and 2017. We looked atthe probability of managers staying in the top and bottom quartiles in subsequent five-year periods if they were in that quartile in the previous period. The threshold for showing persistence is a probability above 25%. Persistence was only meaningfully above 25% in a few places based on our confidence bands. Our sample might include managers who generate alpha through both skill and luck. Ideally, we would only look at skilful managers. This underscores the high governance cost if an investor is to capture alpha. FOR INSTITUTIONAL, PROFESSIONAL, QUALIFIED INVESTORS AND QUALIFIED CLIENTS ONLY

Optimale combinatie actief en passief

Active / Passive	0/100	10/90	20 / 80	30 / 70	40 / 60	50 / 50	60 / 40	70 / 30	80 / 20	90 / 10	100/0
Avg. return (%)	4.4	4.7	4.8	5.1	5.2	5.3	5.6	5.8	5.7	6.0	6.0
Ex-post risk (%)	5.3	5.4	5.4	5.5	5.7	5.9	6.1	6.4	6.8	7.0	7.4
Two-way turnover (Ann.%)	46	52	56	59	57	56	58	79	104	146	204
Strategy Sharpe Ratio	0.83	0.87	0.89	0.91	0.91	0.89	0.91	0.90	0.84	0.84	0.81
Benchmark Sharpe ⁽³⁾	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70

*These results were simulated using a set of constraints aimed at reflecting the portfolio construction framework employed to manage the Enhanced Strategic model portfolio, which was incepted on the 9th of Mar 2015, i.e.: long-only, max. 20% individual holdings, 30% exposure to equities, 30% exposure to aggregate bonds, 5% exposure to high-yield, 5% exposure to EM Debt. Max. 50% exposure to BlackRock active fund range, long-run ex-ante risk target of 5%. We implemented a 60bps constraint on the weighted annual management cost (AMC) at the strategy level and the 50% max. allocation to passive funds was relaxed in order to conduct this analysis around the optimal active / passive blend and the AMC tipping point. ⁽²⁾Fee means AMC. (3) Static allocation corresponding to 40% Euro Aggregate Index + 40% MSCI ACWI EUR + 20% HFRX Global Hedge Fund index.

Important notes

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