

# Impact Cubed

## Portfolio Impact Report

Vividam 100 Fund

Manager: FiNet Asset Management

Benchmark: Large Cap Global Developed Markets Benchmark

Positions date: December 2022

Number of positions: 803

Estimated total tracking error: 1005 bps

Performance relative to portfolio universe: top quartile

**NET IMPACT**  
**75 bps**

of tracking error

from an estimated

**20%**

NET ACTIVE  
ESG SHARES

**Positive** 38% 121 bps

**Negative** -17% -46 bps

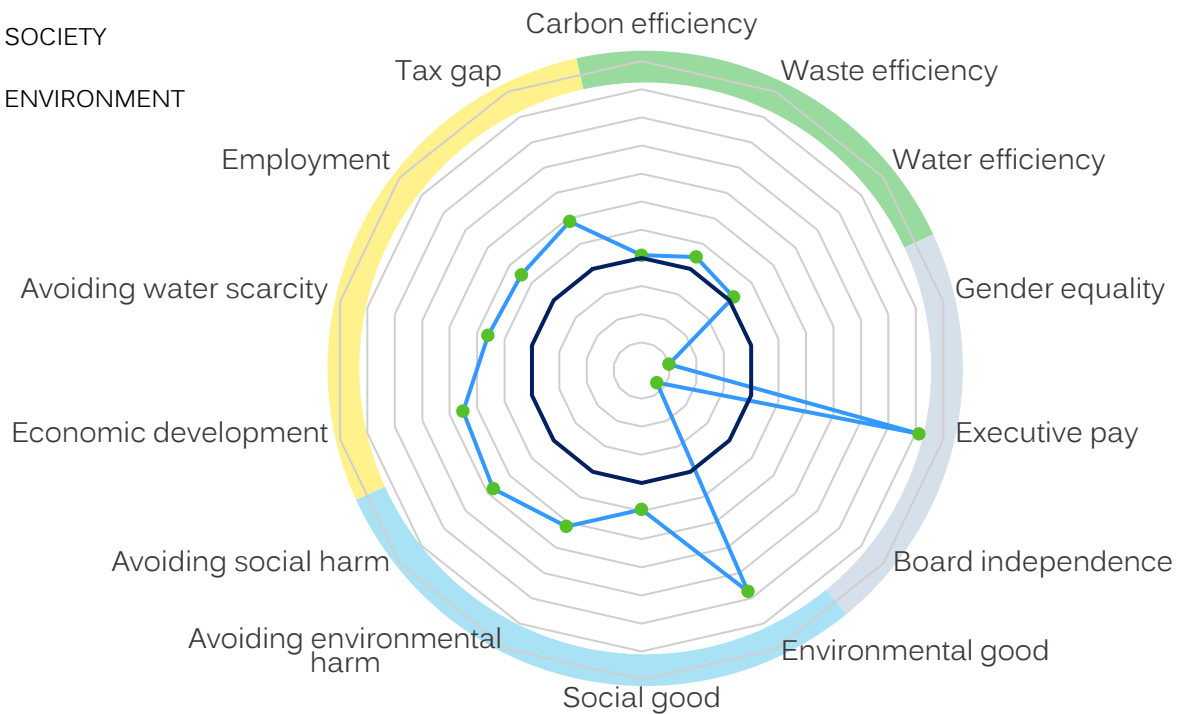


GOVERNANCE

PRODUCTS & SERVICES

SOCIETY

ENVIRONMENT



### IMPACT ATTRIBUTION

COUNTRY SELECTION	57%
SECTOR SELECTION	43%

### % MAPPED

PORTFOLIO	>99%
BENCHMARK	>99%

# Vividam 100 Fund

## PORTFOLIO IMPACT MEASURES

	Portfolio	Benchmark	Based on company reported	% data estimated portfolio/benchmark	
Carbon efficiency	147.23	160.14	tons of GHG (Scope 1 & 2) emissions per \$1M revenue	36%	28%
Waste efficiency	58.35	285.21	tons of waste generated per \$1M revenue	49%	45%
Water efficiency	5.67	7.00	thousand cubic metres fresh water used per \$1M revenue	54%	49%
Gender equality	24.9%	28.1%	percentage of women in boards and top management	4%	0%
Executive pay	66.9	99.3	ratio of executive level pay to average employee pay	8%	3%
Board independence	72.9%	80.0%	independent board members	5%	1%
Environmental good	26.5%	11.4%	portfolio allocated to environmental solutions	not applicable	
Social good	17.2%	14.3%	portfolio allocated to help alleviate social issues	not applicable	
Avoiding environmental harm	2.6%	7.0%	portfolio allocated to environmentally destructive industries	not applicable	
Avoiding social harm	0.2%	4.9%	portfolio allocated to industries aggravating social issues	not applicable	
Economic development	\$ 43,000	\$ 46,700	median income of portfolio weighted geography of economic activity	not applicable	
Avoiding water scarcity	2.42	2.52	geographic water use (World Resource Institute scale 0-5 from least to most water scarce areas)	not applicable	
Employment	5.2%	4.9%	unemployment in portfolio weighted area of economic activity	not applicable	
Tax gap	3.13%	3.75%	estimated % tax avoided by corporate tax mitigation schemes	not applicable	

## INVESTMENT EQUIVALENTS

In real terms compared to the Large Cap Global Developed Markets Benchmark, \$1M invested in Vividam 100 Fund finances:

		Real world equivalent	SDG relevance
Carbon efficiency	-3.81	more tons of GHG emissions	7, 15
Waste efficiency	54.31	fewer tons of waste generated	6, 12, 14, 15
Water efficiency	0.1	fewer thousand cubic metres fresh water used	6
Gender equality	-3.2%	fewer women in top management	5
Executive pay	32.4	fewer multiples of average employee pay paid to top executives	10
Board independence	-7.1%	less board independence	10, 16
Environmental good	15.0%	more invested in industries contributing to solving environmental issues	most SDGs
Social good	2.9%	more invested in industries helping alleviate social issues	most SDGs
Avoiding environmental harm	4.4%	less invested in industries aggravating environmental issues	most SDGs
Avoiding social harm	4.8%	less invested in industries aggravating social issues	most SDGs
Economic development	\$3,700	more economic activity in less developed economies	1, 8, 9, 16, 17
Avoiding water scarcity	0.10	less water use in water scarce localities (World Resource Institute)	16, 17
Employment	0.3%	more economic activity in high unemployment geographies	1, 8, 11, 12, 16
Tax gap	0.62%	more tax paid	1, 9, 10, 16

## TOP AND BOTTOM PERFORMERS


















Portfolio top performing holding

Portfolio bottom performing holding

## IMPACT INDICATOR LEVEL

Carbon efficiency	CentralNic Group Plc
	IBU-tec advanced materials AG
Waste efficiency	Americold Realty Trust
	Norsk Hydro ASA
Water efficiency	4 equally water efficient companies
	Atlantica Sustainable Infrastructure plc
Gender equality	Marimekko Oyj
	23 companies with all male board and management
Executive pay	Symphony Limited
	Naspers Limited Class N
Board independence	55 companies with equally high board independence
	Stadler Rail AG
Environmental good	108 companies with equal % revenues from environmental good
	563 companies with no revenues from environmental good
Social good	92 companies with equal % revenues from social good
	505 companies with no revenues from social good
Avoiding environmental harm	757 companies with no revenues from environmental harm
	8 companies with equal % revenues from environmental harm
Avoiding social harm	793 companies with no revenues from social harm
	Pernod Ricard SA
Economic development	Airtel Africa Plc
	Emmi AG
Avoiding water scarcity	4 companies with equally low % of operations in water scarce geographies
	UniCredit S.p.A.
Employment	Sanlam Limited
	7 companies with equally low exposure to high unemployment geographies
Tax gap	258 companies with no tax gap
	YDUQS Participacoes SA

## UN SDG PORTFOLIO EXPOSURE

1 NO POVERTY		CARBON EFFICIENCY, GENDER EQUALITY, ENVIRONMENTAL GOOD, SOCIAL GOOD, ECONOMIC DEVELOPMENT, EMPLOYMENT
2 ZERO HUNGER		TAX GAP, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, ECONOMIC DEVELOPMENT, EMPLOYMENT, AVOIDING WATER SCARCITY
3 GOOD HEALTH AND WELLBEING		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, GENDER EQUALITY, TAX GAP, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING SOCIAL HARM, EMPLOYMENT, AVOIDING WATER SCARCITY
4 QUALITY EDUCATION		GENDER EQUALITY, TAX GAP, SOCIAL GOOD, EMPLOYMENT
5 GENDER EQUALITY		WATER EFFICIENCY, GENDER EQUALITY, EXECUTIVE PAY, ECONOMIC DEVELOPMENT, AVOIDING WATER SCARCITY
6 CLEAN WATER AND SANITATION		WASTE EFFICIENCY, WATER EFFICIENCY, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING SOCIAL HARM, AVOIDING WATER SCARCITY
7 AFFORDABLE AND CLEAN ENERGY		CARBON EFFICIENCY, ENVIRONMENTAL GOOD, AVOIDING ENVIRONMENTAL HARM
8 DECENT WORK AND ECONOMIC GROWTH		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, EXECUTIVE PAY, BOARD INDEPENDENCE, TAX GAP, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, ECONOMIC DEVELOPMENT, EMPLOYMENT, AVOIDING WATER SCARCITY
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, TAX GAP, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING SOCIAL HARM, ECONOMIC DEVELOPMENT, AVOIDING WATER SCARCITY
10 REDUCED INEQUALITIES		GENDER EQUALITY, EXECUTIVE PAY, BOARD INDEPENDENCE, TAX GAP, ECONOMIC DEVELOPMENT, EMPLOYMENT, AVOIDING WATER SCARCITY
11 SUSTAINABLE CITIES AND COMMUNITIES		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, TAX GAP, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING SOCIAL HARM, ECONOMIC DEVELOPMENT, EMPLOYMENT, AVOIDING WATER SCARCITY
12 RESPONSIBLE CONSUMPTION AND PRODUCTION		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING SOCIAL HARM,
13 CLIMATE ACTION		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, ENVIRONMENTAL GOOD, AVOIDING ENVIRONMENTAL HARM, ECONOMIC DEVELOPMENT, AVOIDING WATER SCARCITY
14 LIFE BELOW WATER		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, ENVIRONMENTAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING WATER SCARCITY
15 LIFE ON LAND		CARBON EFFICIENCY, WASTE EFFICIENCY, WATER EFFICIENCY, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING WATER SCARCITY
16 PEACE, JUSTICE AND STRONG INSTITUTIONS		GENDER EQUALITY, EXECUTIVE PAY, BOARD INDEPENDENCE, TAX GAP, ENVIRONMENTAL GOOD, SOCIAL GOOD, AVOIDING ENVIRONMENTAL HARM, AVOIDING SOCIAL HARM, ECONOMIC DEVELOPMENT, EMPLOYMENT
17 PARTNERSHIPS FOR THE GOALS		GENDER EQUALITY, EXECUTIVE PAY, TAX GAP, ECONOMIC DEVELOPMENT

# METHODOLOGY NOTE

## IMPACT NUMBER

Our measure of total impact is the risk (measured in tracking error to benchmark) of the active ESG shares needed to achieve the portfolio's impact exposures. The total number is a net of positive and negative impacts, so our measure can be negative if the portfolio has more negative exposures than positive (think 'sin' portfolio). The impact number will always fall between the total traditional tracking error figure and its negative. For example, if a portfolio has 100bps tracking error, its impact will fall between 100 and -100.

## RELATIVE PERFORMANCE

The majority of long-only portfolios will have a net impact result of +/- 0-20% of their overall traditional tracking error. For example, 20 bps of net impact for a portfolio with 100bps TE at the top end.

It is this ratio of  $=(\text{net impact number})/(\text{overall TE})$  which we use to plot the portfolio's relative performance on the bar chart above the spider graph on page 1 of the report. The bar chart is colour coded into quartiles: from portfolios with the lowest % of overall TE accounted for by their impact exposures in the bottom quartile, in grey, to those with results closer to the 20% figure in the top green quartile.

The blue marker shows approximately where the result falls within the quartile.

The portfolio universe is a diversified sample of hundreds of ESG and mainstream portfolios which we have processed with the Impact Cubed model. It covers all types of geographies, market caps and other characteristics, all analysed against their own benchmark. Compared to the total universe of portfolios globally, the sample has a higher number of DM and ESG portfolios. We update the universe periodically with new results.

Because the sample is not peer matched to the particular portfolio, we advise to read the relative performance measure as a general indication only.

## SPIDER GRAPH

### How to read the spider graph

1. The symmetrical navy circle in the middle of the graph represents the benchmark.
2. The (usually more irregular) bright blue line shows the portfolio's factor exposures relative to its benchmark's values on each factor.

We use standard deviations of each indicator to unify the scale on the impact graph.

If the two lines were exactly the same, this would mean the portfolio is tracking the benchmark closely on every impact factor.

When parts of the blue line which represent the portfolio are outside the benchmark circle, that indicates a positive impact. The further they are outside the benchmark circle, the bigger the active exposure of the portfolio to that particular impact indicator.

When the blue line falls inside the benchmark circle, this indicates that it has negative active exposure to an impact indicator. For example, it allocated more capital to companies with highly paid and male executives.

All the indicators used in the model are positive indicators, meaning that the portfolio line falling outside the benchmark circle is always a positive. By looking at the graph, we can quickly tell how the positive and negative areas either side of the benchmark circle compare to each other in terms of size (summarized in the single impact number), and also how the portfolio's impacts are distributed between the different indicators.

For example, if you were looking at a best in class governance quality portfolio, you would want to see the blue line outside the benchmark circle for *Board independence*, *Executive pay* and *Gender equality*, whereas someone looking for an environmentally focused portfolio would want to see strong exposures in carbon, waste, water, and water scarcity, as well as the environmental good and harm revenues-based indicators.

## Our benchmarks

The benchmarks used in the calculation of the results are either provided by the user themselves or calculated by Impact Cubed in-house. In-house built benchmarks can closely track popular indices or be completely bespoke. We use regional classification and follow standard industry practice in their construction.

## PORTFOLIO IMPACT MEASURES

This section reports the raw data in terms of impact vs. the benchmark, factor by factor. For example, for *Executive pay* we will show the weighted average of the ratio of top management pay over average employee pay for the portfolio and the benchmark side by side. The standardized difference in these values is what is plotted on the impact graph.

## Estimated data

This is the percentage of positions by weight in the portfolio that did not report the data we use to calculate an indicator. We fill gaps in company reporting with proprietary estimation models,

and run quality checks on reported data to identify outliers. In rare instances, the numbers reported by companies are completely implausible and we actually replace them with estimations. We disclose the percentage of reported data for transparency, and because it is a simple and commonly recognized metric to understand how much of the data comes directly from companies and how much relies on estimation.

## INVESTMENT EQUIVALENTS

This table translates the Portfolio Impact Measures from the previous section into the impacts per unit of investment (for instance a euro, a pound or a dollar), and maps each of them to the UN Sustainable Development Goals. The values in green are positive impacts, and those in red are negative.

For example, in real terms, what is the difference between investing in a portfolio with 4% tax gap vs. 3%? This section presents this as an equivalent of 1% less tax paid by the listed companies held in this portfolio, compared to investing in the benchmark portfolio. This number would show up in red because it's a negative impact, and in the last column in the table you will see that this impact relates to Sustainable Development Goals 1, 9, 10, and 16.

## IMPACT ATTRIBUTION ANALYSIS

### Country and sector

This part of the report on page 1 shows the geographic and sector-based drivers of the portfolio's impact. It is based on traditional financial performance attribution for a portfolio.

We list what proportion of the impact in % is due to country vs. sector allocations.

This attribution helps further deepen the understanding of the impact profile of a portfolio and differentiate between similarly performing portfolios.

For example, a portfolio performing well on impact where 80% of this performance can be attributed to country selection is different than one with similar performance on this indicator driven 80% by sector selection.

The first would hint that most of the impact may be achieved by investing more than the benchmark in markets where geographically correlated impact factors tend to have better values, for example Gender equality or Avoiding water scarcity. The second would suggest that the same positive impact is more tied to the portfolio's sector allocation – through factors such as Waste efficiency which are heavily dependent on sector..

### Top and bottom performers

Under Portfolio Top and Bottom Performer we name the securities from the portfolio holdings that have the highest and lowest factor values.

For some factors, it is frequent that multiple holdings share the top or bottom spot. For example, multiple companies with 100% independent boards, or the same % of revenues from social or environmental good. In those cases, we report the number of companies sharing the spot.

When there are no companies in the portfolio that have any revenues from social or environmental harm, the corresponding field says '-'.

## CONTRIBUTION BY SDG GOAL

This table shows to what degree the portfolio analysed contributes to each of the 17 SDGs. The measure we use is a weighted average of all factor exposures (relative to benchmark) mapped to a particular SDG, and adjusted for the number of these factors. The weighted average takes into account the direct or indirect relationship between factors and a specific goal.

	NO POVERTY
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	AFFORDABLE AND CLEAN ENERGY
	DECENT WORK AND ECONOMIC GROWTH
	INDUSTRY, INNOVATION AND INFRASTRUCTURE
	REDUCED INEQUALITIES
	SUSTAINABLE CITIES AND COMMUNITIES
	RESPONSIBLE CONSUMPTION AND PRODUCTION
	CLIMATE ACTION
	LIFE BELOW WATER
	LIFE ON LAND
	PEACE, JUSTICE AND STRONG INSTITUTIONS
	PARTNERSHIPS FOR THE GOALS

## CONTACT US

If you have questions about the Investment Impact report, or you would like to discuss the model and its application with us further, we will be happy to hear from you at [info@impactcubed.com](mailto:info@impactcubed.com).

## ABOUT IMPACT CUBED

Impact Cubed measures Investment Impact in terms of sustainable development for any portfolio of listed securities.

Understanding, measuring and managing investment impact facilitates cheaper access to capital for more sustainable companies, and with that, encourages a flourishing planet.

Impact Cubed was originally used to measure investment impact in-house by Auriel Equity Investors LLP.

It is our hope that this service helps investors make informed decisions about the way they allocate capital, by shedding light on the varying levels and areas of impact delivered by different investment portfolios.

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