

COFFE-ECO

Sustainability Report

June 2022



**Transforming espresso supply
chain from linear to circular**

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COFFE-ECO

Coffe-eco develops a new scalable value chain for upcycling spend coffee grounds to produce high added-value products

-Tranform the supply chain of coffee industry from linear to circular

-Co-create a circular economic model, financial returns will be infinity with our resources always be in motion.

CIRCULAR
ECONOMY

CRETE HIGH ADDED
VALUE PRODUCTS

Introduction

The Sustainable Development Goals (SDGs), also known as Global Goals, are a set of 17 integrated and interrelated goals to end poverty, protect the planet and ensure that humanity enjoys peace and prosperity by 2030.

Reporting on the SDGs is important in communicating to stakeholders the organization's commitment to contributing to the Global Goals; claiming accountability and responsibility to take the necessary actions; and measuring progress over time.

SDG Progress Reports cater to a variety of audiences, so it's best to adjust it accordingly. First, identify your target reader. Next, you can shift your focus on what they need to know. For example, your action plans are in the interest of your beneficiaries. Some readers might prefer details like timelines or budgets, while others like your trustees will be more interested in the impact made, the challenges you encountered and the lessons you learned from them.

Your SDG progress report can start with a brief review of your organization's alignment to the Global Goals. It can include the social responsibility and business case for taking action on the SDGs.

Creating a good SDG progress report means being transparent with your audience. Back up your claims with relevant data. Keep your sentences concise when necessary, but dive into detail when it comes to qualitative and quantitative evidence. Remember: this report is a combination of understanding how your mission aligns with global sustainability efforts, and communicating that clearly with the rest of the world.

Message From Our Leaders

Coffe-Eco's mission is to give second life to the most beloved beverage, our coffee. Globally, 6 million tons of coffee-waste remain untapped every year, because the coffee makers and municipalities manage this waste as a common waste. Coffe-Eco has designed and developed a holistic approach in order to reuse 100% of the coffee waste (zero-waste approach) and produce various high value-added products.

The coffe-eco family has a deep belief that in order for a business to be sustainable it must have a positive environmental, social and economic footprint. Working within the framework of the circular economy and adopting SDG goals 9 and 12 we go one step closer to our vision.



Transform the
coffee supply
chain from linear
to circular

Coffe-eco's SDGs

The Coffe-eco family has prioritize 2 goals Sustainable Development goals. The first one is #9 in which by 2030 we have to encourage innovation and increase the number of research and development workers per 1 million people, and R&D spending. The second is #12 By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.

9 INDUSTRY, INNOVATION
AND INFRASTRUCTURE



Invest in R&D

By 2030 we have to encourage innovation and increase the number of research and development workers per 1 million people, and R&D spending.

12 RESPONSIBLE
CONSUMPTION
AND PRODUCTION



Reduce waste

By 2030, substantially reduce waste generation through prevention, reduction, recycling and reuse.

Measuring Progress

In order to be able to develop our company we have to set measurable goals that represent our vision.

"If you want to improve something you must first be able to measure it"



Key Indicator

Activity / Project

Data / Outcome

Responsible Consumption and Production

Collect and reuse Spent Coffee Grounds (SCG) to produce high added value products

By 2025 upcycle annually 100 ton of SCG

Industry Innovation and Infrastructure

Invest in R&D, create new products through a circular economy

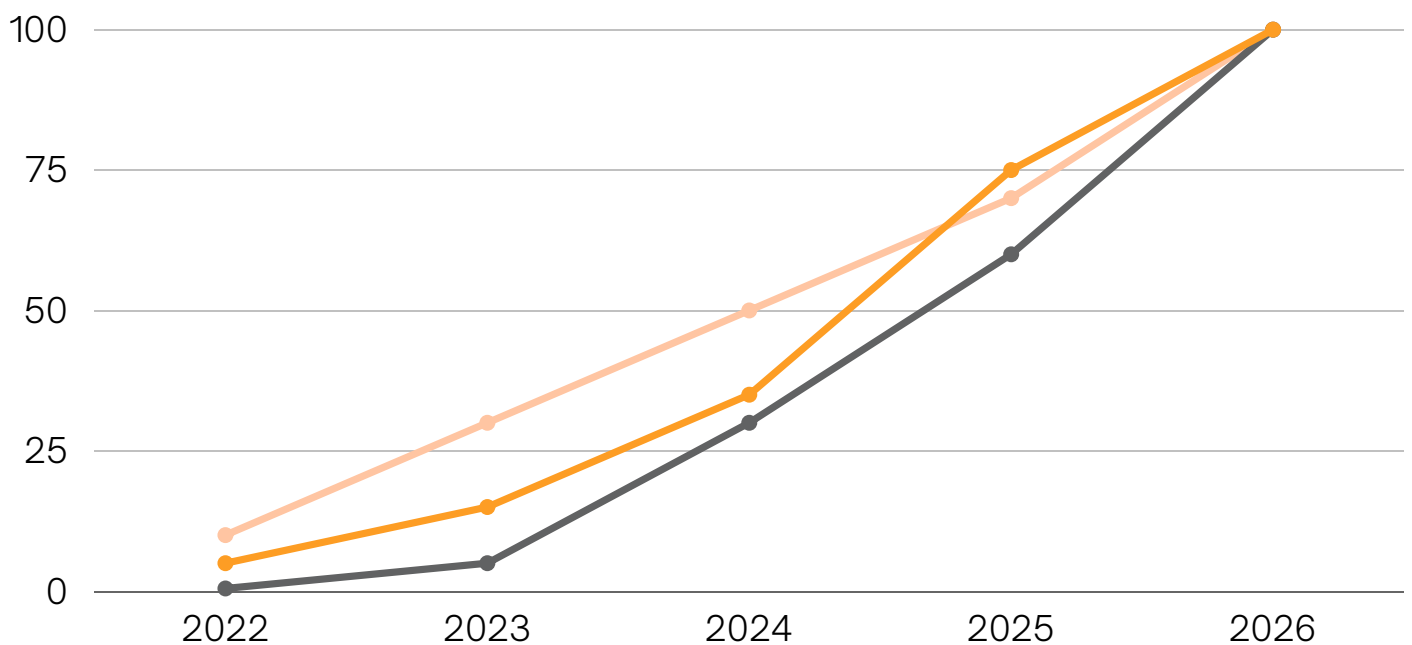
Invest 150 K in R&D

Launch 3 new sustainable products

Coffeco develops a new scalable value chain for upcycling spend coffee grounds to produce high added-value products. With our solution, we avert methane emissions to the environment, and we manage to be a zero-waste production company. Our production line will upcycle 1tn of spend coffee ground every week. Forty-five millions of tons spent coffee grounds (SCGs) end up in landfills every day in Europe. This waste is responsible for high methane and carbon dioxide emissions polluting the environment. Every ton of coffee biomass generates over 600 kg of CO2.

Growth Rate of key performance indicator

Below, is the annualy growth rate of our KPIs and the measurable goals of each KPIs



\$15 K

of \$150K

Investement in R&D

0.5 tn

of 100 tn

Amount of SCG that has been tranformed to added value products

5 tn

of 1000 tn

Amount of high added value products from SCG

Next Steps

Coffe-Eco has designed and developed a holistic approach in order to reuse 100% of the coffee waste (zero-waste approach) and produce various high value-added products. Moreover, we follow good collection strategies and innovative low-energy consumption manufacturing technologies

Establish our Sustainable Unit Production

Always based on the principles of the circular economy Coffe-eco will complete in 2022 the establishment of his own production unit to utilize by 2026 100 tn Spent Coffee Ground.

Create 2 new sustainable products

Spent Coffee Ground is a raw material with excellent potential. Coffe-eco has the know-how to create 3 new products for the bioplastics market and sustainable energy production.

Utilize new Raw Materials

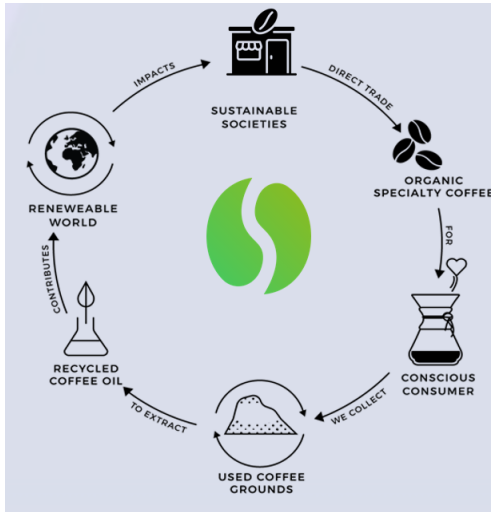
Expansion of our activity to the utilization of other agro-industrial waste

Action or commitment

Developing the first end-to-end upcycling solution to enhance Coffee circular Bioeconomy. Coffee customers will have the opportunity to utilize products from Spent Coffee Grounds in the place where this waste is produced.

Memorable Moments

We are developing the first end-to-end upcycling solution to enhance Coffee circular Bioeconomy. Coffeco industrializes one of the biggest underutilized resources in Europe, follows 100% zero waste production process and last but not least Our business solution can mobilize a new scalable value chain along with Europe from the supply of coffee waste to commercially high-added-value products. With Coffe-eco 100% of our coffee is getting back to our daily life and welcome on this new coffee world.



Industry Production

Summarize the key points here.

- Start the construction of our own unit
- Establish our R&D Department

Launch to market

Summarize the key points here.

- Collaboration with the Greek cosmetic Industry
- Expand to France
- Expand to North America



APIVITA



Sustainable Products

Summarize the key points here.

- Create a new ingredient for cosmetic
- Create a new fertilizer
- Create coffee logs
- Create a new material from coffee for furniture industry



Building Sustainability

Acknowledgements

The writing of the sustainable report was created by the founders of the company using sources from the labor market, the experience from the business activity of the company and the international bibliography (any source can be given after expressing interest in the following email).

More info for Coffe-eco founders:

The founder of Coffeco Alexis Pantziaros is 30 years old with 5-year experience in chemical engineering and a PhD candidate. In addition to his scientific background, he is heavily involved in business as well as Master of Business strategy. Finally, he has been involved in many business accusations with Coffeco, having managed to get several awards and prizes from these competitions

Coffeco founder Marios Vlachogiannis is a chemical engineering student at the University of Patras. He is passionate and works hard for entrepreneurship and has managed to stand out on the Forbes 30under30 list of the Greek version in 2019. Finally, he has been involved in many business accusations with Coffeco, having managed to get several awards and prizes from these competitions.

***This report is intended to be a thorough and understandable presentation of the startups that have been part of the Social Sustainable Entrepreneurship Accelerator organised by Startup Pathways and sponsored by Microsoft.**

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