

Eco Innovators

Collaborative Entrepreneurial Projects created
by Teachers and Students



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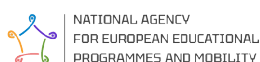
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The active involvement of young people and educators in addressing local and national challenges plays a crucial role in building a more inclusive, responsible, and sustainable society. Through guided learning in entrepreneurship and project design, young participants have developed innovative ideas that respond to real-world needs. These initiatives reflect a spirit of creativity, responsibility, and problem-solving, while also promoting values such as sustainability, empathy, and inclusion.

By working together, students and teachers have not only strengthened their entrepreneurial and collaborative skills but have also created space for socially impactful action. The inclusion of children with fewer opportunities has further emphasized the importance of equity, shared learning, and mutual support.

As part of this initiative, students from schools in North Macedonia, Romania, Cyprus, and Italy—working closely with their mentor teachers—have developed a diverse set of entrepreneurial projects aimed at improving their communities. These ideas span key areas such as environmental protection, sustainable personal care, circular economy practices, clean energy, and social responsibility. From creating eco-friendly beauty products and transforming organic waste into useful resources, to building solar-powered water purifiers and smart air filtration systems, each project demonstrates a strong commitment to sustainability, innovation, and inclusive growth.

This initiative shows how education, when meaningfully connected to real-life challenges, can empower young people to take action, think critically, and contribute to a better future for all.

What follows is a closer look at the most outstanding student projects ideas that stood out for their creativity, impact, and potential to bring meaningful change.

0 Waste Kitchen – Reducing Food Waste, Promoting Sustainability

Mentor: Angela Mazzola

I.I.S. Danilo Dolci, Partinico

0 Waste Kitchen is an innovative company dedicated to reducing food waste and promoting sustainability. We offer a service to restaurants that helps them properly separate organic waste, such as leftover food and spoiled produce. This waste is then transformed into valuable products like organic fertilizers and animal feed for local farms. By doing so, we reduce waste and create eco-friendly alternatives that benefit both the environment and local communities.

Key Highlights:

- **Food Waste Reduction:** We collect organic waste from restaurants, turning it into useful products like organic fertilizer and animal feed for farms.
- **Educational Initiatives:** Our mission includes educating restaurants and other businesses on how to properly separate waste, helping them minimize their environmental impact.
- **Organic Fertilizer:** We create nutrient-rich compost that improves soil health, retains water, and helps sequester carbon, combating climate change.
- **Animal Feed:** Leftover fruits and vegetables, no longer suitable for human consumption, are repurposed as food for farm animals, reducing waste and supporting local farms.
- **Expanding to Other Sectors:** While starting with restaurants, we plan to expand our service to schools, households, and retirement homes to create a broader impact.
- **Sustainable Solutions:** 0 Waste Kitchen is committed to promoting sustainability, supporting local agriculture, and contributing to a circular economy by turning waste into valuable resources.

Join us in our mission to reduce food waste and create a more sustainable, eco-friendly future!

EcoFem: Sustainable Care for Women

Foley's School, Limassol, Cyprus


Mentor: Thekla Georgiou

EcoFem is a sustainable, woman-led brand dedicated to providing eco-conscious personal care products specifically designed for women. Our goal is to offer high-quality, handmade items that not only nurture the skin and hair but also contribute positively to the planet. With an emphasis on reducing plastic waste, our product line includes natural soaps, shampoo bars, skincare items, and reusable accessories, all crafted from carefully selected organic and ethically sourced ingredients.

EcoFem stands out by blending luxury with sustainability—creating products that are effective, safe, and environmentally friendly. We focus on empowering women through responsible production practices and environmental advocacy, ensuring that every purchase helps make a lasting impact on both individual well-being and the environment.

Key Highlights:

- **Sustainable Product Range:** EcoFem offers a variety of personal care products, including handmade soaps, shampoo bars, skincare solutions, and body care items, all crafted with natural, biodegradable ingredients.
- **Zero-Waste Packaging:** We prioritize eco-friendly packaging such as biodegradable paper, compostable materials, and reusable containers, reducing single-use plastic and promoting a circular economy.
- **Ethical and Cruelty-Free Practices:** EcoFem is committed to cruelty-free and vegan products, ensuring no animal testing and the use of only plant-based ingredients that support ethical practices.
- **Empowering Women:** EcoFem works with women-run farms and artisan communities, providing fair wages and creating economic opportunities for women in rural areas. We also invest in educational programs that support young girls, teaching sustainability, entrepreneurship, and environmental responsibility.
- **Eco-Conscious Marketing:** The brand engages in social media campaigns and partnerships with eco-influencers to build awareness around sustainability and women's empowerment, encouraging customers to embrace eco-friendly beauty routines.

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- The background of the page is decorated with a repeating pattern of stylized icons. These include green and yellow leaves, grey gears, and white clouds with rain falling from them. The icons are connected by dashed lines, creating a sense of interconnectedness and a clean, modern aesthetic.
- **Future Vision:** EcoFem aims to expand its product line to include sustainable menstrual care, zero-waste hair care, and additional eco-conscious personal care options. Our long-term goal is to scale globally and create a worldwide community dedicated to sustainable beauty practices.

EcoFem is more than just a beauty brand—it is a movement toward conscious living, offering high-quality beauty products that nurture both the body and the planet. By choosing EcoFem, consumers are not only investing in their well-being but also supporting a greener, more sustainable future.

GreenCity – O2Force Air Purifier

SOU “Dimitrija Cupovski” Veles, Macedonia

Mentor: Dragana Jovanova

Developed by: Megi Bochvarova, Ana Maria Pavlova

Mission:

At GreenCity, our mission is to create cleaner, healthier environments through innovative and sustainable filtration technologies. Our flagship product, the O2Force Air Purifier, tackles the critical issue of air pollution, combining advanced technology with environmental responsibility to improve air quality and public health.

Key Highlights:

• **Cutting-Edge Filtration Technology:**

- The O2Force features a dual filtration system:
 - PROFILT Filter: Captures large particles like dust and smoke.
 - Honeycomb Ceramic Filter: Targets fine pollutants like particulate matter (PM), nitrogen dioxide (NO₂), and ozone (O₃). This unique design ensures the air is purified from both large and small harmful particles.

• **Smart & Energy-Efficient Design:**

Equipped with an intelligent control system, the O2Force uses sensors to track pollution levels, weather, and air quality. It operates only when needed, reducing energy costs and maximizing efficiency.

• **Versatile Integration:**

The O2Force filter can be installed in various urban settings, including:

- Busy intersections, schoolyards, playgrounds, and industrial areas.
- Easily integrates into existing infrastructure like bus stops, billboards, and public spaces, providing a flexible and scalable solution.

• **Sustainable & Eco-Friendly Materials:**

Made from cordierite, a natural and organic material, the O2Force filter is designed for long-lasting durability. It offers high-performance filtration without compromising the planet's well-being, featuring excellent thermal properties and environmental friendliness.

• **Cleaner Air for All:**

With air pollution causing over 30,000 premature deaths annually in regions like the Western Balkans, O2Force provides an affordable, reliable solution to combat air pollution and significantly improve public health in urban areas.

- **Sustainability Beyond Products:**

GreenCity is committed to more than just filtration products. We actively support initiatives in humanitarian projects, education, science, and sports, ensuring that our success contributes positively to society and the environment.

Why Choose O2Force?

- **Efficiency: High**-performance filtration for urban environments with high pollution levels.
- **Cost-Effective:** A long-term investment that reduces health costs and improves air quality.
- **Easy Installation:** Simple integration into existing infrastructure with no complex setup.
- **Sustainability:** Made from eco-friendly materials and features energy-saving technology.

A Global Impact, Local Solution

GreenCity strives to create sustainable products that address the global need for clean air while remaining practical for local communities. Our focus is on building a cleaner, healthier future for everyone, today and for generations to come.

Join Us in the Fight for Cleaner Air

With the O2Force Air Purifier, we can make the air we breathe cleaner and healthier. Let's work together to ensure a future where cleaner air is a right for all. Breathe easy with GreenCity!

Magical Essential Oils

School: SOU "Orde Chopela", Veles, Macedonia

Mentor: Biljana Apostoloska

Made by: Teodora Taleska, Mateja Zeroska, Roberto Kuzmanoski

Key Highlights:

- **Sustainable Production:**

- **Raw Material Sourcing:** We collect citrus waste from local **cafeterias** to produce essential oils and aromatic water, reducing waste and promoting sustainability.
- **Circular Economy Model:** Leftover materials from the distillation process are repurposed into **compost and biohumus**, supporting natural agriculture.

- **Health Benefits:**

- Essential oils, including our **orange essential oil**, are used in **aromatherapy** to enhance well-being by reducing stress, boosting mood, and increasing focus.

- **Social Entrepreneurship:**

- Our project empowers **socially at-risk individuals**, offering them job opportunities in raw material collection and product manufacturing.

- **Eco-Friendly Practices:**

- **Smaller distillation capacity** for energy efficiency.
- **Eco-friendly transport** (bicycles, scooters) for raw material collection and delivery.

- **Product Range:**

- **Orange Essential Oil**
- **Aromatic Water**

These products are sold to **herbal pharmacies, massage salons, healthy food stores, beauty salons, and cafés.**

- **Market Focus:**

- **Local & Regional Sales:** We focus on **cafés, pastry shops, and massage salons** for the introduction of essential oils and aromatic water.

- **Competitive Advantage:**

- **Locally Sourced Raw Materials:** We directly collect citrus waste from local businesses, ensuring fresh and sustainable production.
- **Energy-Efficient Production:** Smaller distillation equipment reduces energy consumption.

- **Business Model & Pricing Strategy:**

- Two main products: **Orange Essential Oil** and **Aromatic Water**
- Special offer: **50% discount on aromatic water** for raw material suppliers (cafés).
- First **50 buyers** of essential oils receive a free supplement of aromatic water.

- **Team and Roles:**

- **Teodora Taleska:** Team Leader
- **Mateja Zeroska:** Manager
- **Roberto Kuzmanoski:** Finance & Investments
- Additional roles include raw material collection, laboratory work, and design coordination.

- **Investment Needs:**

- **Initial Investment:** Distillation equipment, advertising, packaging, and overhead costs.
- **Team Contribution:** Human resources for raw material collection and eco-friendly transport.

- **Future Vision:**

- Transform citrus waste into high-quality essential oils, promoting sustainability and improving local communities with every step of production.

Join Us in Creating a Sustainable Future:

Magical Essential Oils is not just about creating products—it's about creating a greener, healthier future through circular economy practices, social impact, and innovative entrepreneurship. Together, we can make waste valuable and improve lives in our local communities.



SOLCLEAN

12th grade students of "Grigore Moisil" College of Computer Science Brasov, Romania.

Mentor: Cristina Calin

SOLCLEAN is an innovative initiative aimed at providing sustainable and accessible clean drinking water to underserved communities through the use of solar-powered water purification technology. By harnessing renewable energy, SOLCLEAN addresses critical water scarcity and health challenges faced by populations without reliable access to safe water sources.

Renewable Energy Source: SOLCLEAN utilizes solar power to operate, reducing reliance on non-renewable energy and minimizing environmental impact.

Affordable Clean Water: Offers an economical solution for communities lacking access to safe drinking water, eliminating the need for costly bottled water.

Health Improvement: By providing safe drinking water, SOLCLEAN helps prevent waterborne diseases and enhances community health.

Community Engagement: Involves local authorities and creates job opportunities in manufacturing, fostering economic development within the community.

Scalability and Sustainability: Designed for expansion to reach more areas, with a focus on using eco-friendly materials and advanced technology to ensure long-term effectiveness.

SOLCLEAN offers a sustainable, long-term solution to clean water access, enhancing health and improving the quality of life in underserved communities.

