

**UNEP BIMG**

UNEP Business and Industry Major Group

**BIMG**

# Beacon Projects 2024

Shining examples of scalable business projects that are helping to tackle climate change, nature and biodiversity loss, pollution, and waste all around the world.

➤ Report prepared by WBCSD, co-chair of BIMG group





# Foreword

Esteemed reader,

Welcome to the inaugural Business and Industry Major Group (BIMG) Beacon Projects Report.

The Business and Industry Major Group (BIMG) is a unique global coalition accredited to the United Nations Environment Programme (UNEP). It convenes more than 70 influential business and industry associations and related institutions from all around the world, with members representing countries from four continents. In sum, BIMG represents over 5,000 leading global, regional and domestic businesses worldwide, who individually and collectively champion action to tackle the triple planetary crisis of climate, biodiversity loss and pollution, while working toward the Sustainable Development Goals and the Paris Climate Agreement.

## > First-hand experience of what works

As part of this global effort, organizations from Central Asia, the Pacific, East Asia and South Asia; Middle East and North Africa and Sub-Saharan Africa; North America, the Caribbean, Latin America; and Europe are working together to support UNEP's vision. BIMG members provide UNEP and the international community with access to a uniquely comprehensive community of real-economy industry sectors, including agriculture and food, chemicals, built environment, energy, extractives, fashion and textiles, manufacturing, materials, technology and transport. This offers an exceptional network of business leaders and practitioners with first-hand experience of the spectrum of challenges and opportunities facing leading business and industries as they undergo a sustainability transformation.

Entering 2024, it is clear we are living in a world of profound challenges. Notwithstanding the pressing and urgent geopolitical issues of the day, a set of wickedly interlinked sustainability threats are also rapidly worsening. If not addressed, these risk becoming a connected cascade of tipping points that drive societies and nations into self-survival mode. Worse still, they could rip apart the multilateral fabric designed to protect our global public goods.

As the theme of the 6th meeting of the United Nations Environment Assembly (UNEA-6) states so clearly: to avoid this future it is starkly evident that the three environmental crises of climate change, biodiversity loss and pollution, as well as mounting inequality, require not only our attention but also swift and effective action.

## > Showcasing and scaling up inspiring collaborations

Decision makers and those with influence must act, as these interconnected sustainability issues are colliding with short term political, economic and societal pressures. As progress on the SDGs threatens to recede in a more volatile world, examples of successful action provide vital beacons of light to decision-makers, illuminating potential paths out of the darkness. Given public funds alone won't be able to meet the scale of the sustainability challenges we face, there is also an urgency to showcase innovative non-state actor collaborations that are delivering silo-busting impacts on the triple crisis of climate change, nature and biodiversity loss, and pollution and waste. These should include business-led and industry-government-civil society demonstrations that provide an evidence-base for more agile ways to address these interconnected challenges.

Ahead of the 2024 Summit of the Future, we need such Beacon Project examples from all around the world that can illustrate to decision-makers how such new forms of "multi-actor" multilateral action, which include non-state actors like business and industry, can deliver effective, inclusive and sustainable outcomes in line with the 2030 agenda.

In this new context, the UNEP Business and Industry Major Group (BIMG) stands ready to step up. Leading business associations and their thousands of company members within the BIMG are committed to accelerating and scaling up exactly these new forms of multi-actor multilateral action. The set of Beacon Projects contained in this report, drawn from across the BIMG network, provide indicators and demonstrations of “how to” create successful breakthroughs at the local, global and SME levels which decision makers across the international community can be inspired by. These examples of collaboration show how business and industry groups can mobilize with governments and civil society to meet the three crises of climate change, nature and biodiversity loss, and pollution and waste simultaneously and at different scales - from the local level to right across global value chains. They also demonstrate a speed, interconnectedness and agility to adapt and replicate that international organizations cannot muster on their own.

The impacts, evidence and learnings that can be drawn from such Beacon Project examples consequently offer a powerful driver for creating confidence among decision-makers and, as a result, a momentum to act boldly.

It is for these reasons that the BIMG is proud to deliver this inaugural BIMG Beacon Projects report to leaders at UNEP and UNEA 6.

## > **Showing how business can act at speed**

The following pages contain 35 leading Beacon Projects from across BIMG members and SMEs, highlighting the impact potential of forward-leading business associations and their member companies. Together, they have engaged in, helped to scale up or replicated breakthrough sustainability activities all over the world. They also include a first set of innovative SME initiatives that offer huge breakthrough and scale potential. Collectively, these BIMG Beacon Projects offer decision makers at UNEA an unprecedented business-driven evidence base, showing “how to” drive the sustainability transformation we need at speed and scale whilst also creating inclusive opportunities and value across richer, emerging and developing economies.

Throughout the BIMG family, our hope is that this report serves as an inspiration to decision makers and other companies to engage with these Beacon Projects, or be inspired to do more — whether by helping to scale them up, replicating them in different regions, or by bringing forward similar high-impact initiatives.

We plan to turn the content in this report into an open-source digital repository of BIMG Beacon Projects with the goal of continually expanding the breadth and depth of the examples on offer. We hope to also produce subsequent BIMG Beacon Project Reports to coincide with future UNEAs, thereby providing all attendees with the latest examples of business breakthroughs to help shape and inform their discussions.

Finally, I would like to extend my gratitude to all those colleagues and partners from across the unique network that is the BIMG who have dedicated their commitment and passion to drive these initiatives forward and have contributed to this paper.

I hope you enjoy reading and become inspired by this inaugural BIMG Beacon Project Report and the potential it offers for solutions at speed and scale. On behalf of the BIMG and my co-chair Duncan Ochieng’ Onduu of the International Seed Federation, we look forward to working with you.

Warm regards,

**DOMINIC KAILASHNATH WAUGHRAY**

Co-Chair of the Business and Industry Major Group  
Executive Vice President, WBCSD

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*The views and example initiatives expressed herein represent a collation of various viewpoints emerging from a series of discussions and a collection of initiative descriptions voluntarily submitted by various members of the Business Industry Major Group. They do not necessarily reflect the individual institutional viewpoints of any of the Organisations who contributed, or of the World Business Council for Sustainable Development.*

## 01

# Introduction

## From Grassroots to Global



➤ **The scientific evidence is clear: humanity has breached six planetary boundaries, and the urgency to limit global warming to 1.5°C is reaching a critical juncture. It is now predicted we will first exceed annual average warming of 1.5°C above the pre-industrial average within the next few years, and that many natural systems are close to tipping point change.**

The manifestation of rampant forest fires, prolonged droughts, devastating plastic pollution in our rivers and oceans, unprecedented extinction rates and rising floods are a stark reminder that time is of the essence. Alarming as it is, these impacts are unfolding and interconnecting at a pace and scale that surpasses previous predictions, necessitating immediate and comprehensive systems transformation.

## 02

# Tackling planetary crises while building sustainable economic growth



**> In this pivotal moment, the world is turning to business, recognizing companies and their value chains, large and small, as key drivers capable of spearheading transformative solutions and innovations. Companies can deliver change at the scale required to help tackle the triple planetary crisis we face, while also delivering jobs, creating sustainable economic value and supporting livelihoods.**

Across the world, businesses, governments, non-profits and industry groups are mobilizing like never before. This report underscores the diverse collaborative efforts within and across sectors, showcasing innovative approaches to problem solving. Notably, these initiatives resonate strongly with Sustainable Development Goal 17 for Partnerships. This goal recognizes the power of wide-ranging partnership approaches and emphasizes the scale and speed potential of unlocking collaboration, both within and across industries and between the public and private sector.

**The Beacon Projects demonstrate the ambition and impact that business-led innovations and initiatives are having around the world.**

This inaugural BIMG Beacon Project report offers a selection of examples of business-led partnerships and collaborations, from the local to the global, which cross borders and involve multiple industries. You'll see everything from grassroots projects to global multi-industry and government investment efforts, as well as examples of long-established initiatives that have been scaled across continents and new approaches fueled by emerging technologies.

Drawn from across the BIMG global community, these Beacon Projects demonstrate the ambition and impact that business-led innovations and initiatives are having around the world. We hope they provide inspiration and a roadmap for others wanting to do the same.

A few examples of the impacts of BIMG Beacon Projects spearheaded by BIMG industry groups and associations that you will find in this report include:

- **A green procurement initiative involving real estate developers in China that has avoided 8 million tonnes of CO<sub>2</sub>e (carbon dioxide equivalent) and stimulated US\$5.2bn in accumulated green procurement value.** The scheme rewards high-performing suppliers with business opportunities and assists others in meeting green standards through expert-led empowerment schemes.
- **A reverse logistics system for empty pesticide containers, which has prevented 700,000 tonnes of pesticide packaging waste in Brazil, employs 1,500 people and now operates in 60 countries worldwide.** This initiative offers the potential to replicate its business model to build commercially viable, job-creating reverse logistics systems in other value chains in the rural economy, such as for tires or other farming input packaging or equipment which may otherwise add to rural waste and (often hazardous) pollution.
- **A national business association initiative supporting 86,000 of India's rice farmers that is helping to end pollution caused by crop burning.** Smog produced by crop burning causes a threefold rise in respiratory disease across the region, as well as \$1.5 billion in annual economic losses. The initiative provides farmers with practical support to replace crop burning with a range of more environmentally friendly practices. So far, 2,500 tonnes of particulate air pollution and 130,000 tonnes of CO<sub>2</sub> emissions have been saved.
- **A global initiative by the trade association of energy professionals (who work as ocean seismic survey crews) which has helped to spot and remove over 2.5 million pounds (approximately 1.1 million kg) of ocean plastic waste.** This effort shows how crews who work at sea can be effectively mobilized to help solve the world's plastic problem.
- **A Ugandan SME has recycled 1,500 tonnes of plastic waste into low-cost, low-pollution roof tiles and created 1,250 green jobs.** The products are cheaper and less polluting than cement tiles and have created a new revenue stream for waste-pickers. Using an app, workers exchange waste plastic for points which can be used to pay bills, buy insurance or mobile airtime, or be received as cash.

## The BIMG Beacon projects provide insight and inspiration for organizations everywhere on how to start up, replicate or scale

These are just some examples from this first edition of BIMG Beacon projects. They provide insight and inspiration for organizations everywhere on how to start up, replicate or scale such Beacon projects, from the smallest startup to the largest corporation. They show the variety of options for collaborations at a local, regional and global level, and how such activities offer business models that can tackle climate, nature, pollution and livelihood challenges all at the same time.

With some reflection and engagement, they also offer decision makers and international organizations a profound set of on-the-ground experience and knowledge on how best to help such innovations achieve speed and scale, whether through finance or policy enablers, or other approaches.

To help navigate the breadth and depth of experience on offer from this first set of BIMG Beacon Projects, the list of 35 has been organized into three categories: the local, the global and the SMEs.

### Local solutions for local challenges

- The Local collates those projects happening at a sub-national or national level, such as in a city like New York, or a country like Brazil or China. BIMG Beacon Projects in the local section showcase the immediate, tangible effects taking place within specific jurisdictions, offering a granular understanding of how solutions manifest on the ground and how they also have large potential to be replicated in different regions.

### Global solutions for global ambitions

- The Global section collates those projects that span more than one continent. These BIMG Beacon Projects illustrate the power of scalability and interconnectedness, demonstrating how ideas can transcend geographical boundaries to address challenges on a broader scale, and often more systemically.

### A key sustainability role for SMEs

- Small and medium-sized enterprises account for approximately [85% of employment in the EU](#) and [40% of greenhouse gas \(GHG\) emissions](#) from the business sector. It is evident that without engaging SMEs, there is no comprehensive sustainable business transformation.

Consequently, in collaboration with SEED, a global partnership for action established by the United Nations Environment Programme (UNEP), the United Nations Development Programme (UNDP), and the International Union for Conservation of Nature (IUCN), the BIMG has created a first small collection of inspiring SME Beacon Project examples. Here, you will discover five innovative SMEs whose business models and strategies tackle climate change, nature loss and pollution all at once, and create jobs and livelihoods as a result. These enterprises have been recognized, awarded and trained by SEED and BIMG associations and their members are encouraged to connect with and help champion or scale any such Beacon SME that is complementary to their sector or company.

## 03

## Toward UNEA-6



CREDIT: UNEP/Ahmed Nayim Yussuf

➤ **The United Nations Environment Assembly (UNEA) is the world's highest-level decision-making body on the environment. Established in June 2012 as a result of the United Nations Conference on Sustainable Development. It sets priorities for global environmental policies and international environmental law.**

Since 2014, UNEA has held five sessions during which 90 resolutions have spurred action on critically important issues, including air pollution, biodiversity and health, financing for development, plastic pollution, marine litter, environmental education, water management, nature-based solutions, sustainable consumption and production, sustainable and resilient infrastructure, climate change, a Science-Policy Panel for chemicals and waste and to prevent pollution, the illegal wildlife trade and protecting the environment in areas affected by armed conflict and disasters, minerals and metals management, sustainable and resilient infrastructure, amongst many others.

The focus of UNEA 6 is on effective, inclusive and sustainable multilateral actions to tackle climate change, biodiversity loss and pollution.

Within the UNEA context, UNEP recognizes Business and Industry as one of the nine major groups, a designation established through the adoption of Agenda 21 during the Earth Summit in June 1992 in Rio de Janeiro.

The UNEP Business and Industry Major Group (BIMG) comprises associations and institutions accredited to the UN Environment Programme. As such, the BIMG is fully committed to the Sustainable Development Goals (SDGs). From eradicating poverty and promoting prosperity, to building more resilient communities, businesses have a pivotal role in the SDG agenda.

“

*Effective, inclusive and sustainable multilateral actions to tackle climate change, biodiversity loss and pollution.”*

## 04

# The BIMG: An Engine for Showcasing Sustainable Business Transformation

➤ **The Business and Industry Major Group (BIMG) stands as a powerful global coalition, uniting over 70 influential private-sector associations and institutions accredited to the United Nations Environment Programme (UNEP), working closely with the UN Private Sector Unit. With a robust network spanning continents, including Europe, Asia-Pacific, US, Latin America and the Caribbean, and Africa, BIMG engages with over 5,000 leading global and domestic sustainability businesses worldwide.**

BIMG encompasses a wide array of sectors, including energy, fashion, manufacturing, transport, chemicals, plastics, mining, food & agriculture, and more. This diversity reflects a comprehensive approach to addressing sustainability challenges across industries.

The group is led by two elected co-chairs who guide its direction, fostering cohesion, ensuring robust engagement, and facilitating practical business contributions. Under the stewardship of the current co-chairs, the group has significantly expanded, doubling in size. Currently, the World Business Council for Sustainable Development and the International Seed Federation jointly co-chair the group (term: 2022 – 2024).

## Vision

- BIMG envisions a future where seamless cooperation between the private and public sectors leads to the widespread prioritization of sustainability, driving innovation, economic prosperity, and societal advancement, while ensuring the preservation of our planet for future generations.

## Mission

- BIMG is dedicated to facilitating dialogue, collaboration, and action among its members to promote sustainable business practices. With its roots in UNEP, BIMG advocates for policies supporting environmental stewardship and contributes practical business insights to the achievement of global sustainability goals, ensuring that UNEA decisions are informed by real-world business perspectives.

## Get Involved:

- Join BIMG today to be part of a dynamic global network dedicated to shaping a more sustainable and responsible future for business and industry worldwide. Together, we can make a difference.

To learn more about the application process

➤ [CLICK HERE](#)

## 05

# BIMG Beacon Projects Report

➤ Given the urgency and complexity of global challenges, this inaugural BIMG Beacon Project report aims to showcase examples of relevant solutions addressing climate change, biodiversity loss, or pollution at a systems level that feed into UNEA-6's theme, and which are being executed by BIMG members and their networks.

Many of these initiatives are either already delivered through sustainable multilateral coordination or offer the potential of being delivered that way in the future.

These BIMG Beacon Projects show how business-driven approaches can produce positive, affordable, and inclusive impacts for people and society, whether along supply chains, within sectors or across different geographies. They also show what can be achieved when different businesses, civil society, government, and international organizations work together.

This report, orchestrated by Denise Filip of WBCSD, illustrates the value creation possible in developing or emerging economies and the transformative impacts that are possible in local communities. It also shows how developed economies are working with emerging ones, to overcome shared challenges. Many of these examples offer scope for further growth and have the potential to be replicated, extended and scaled.

Our hope is that the examples shared in this report will give more organizations, as well as government and other stakeholders, the confidence to move forward with ambitious, forward-looking initiatives that leverage the latest technology and thinking, to bring about real change.

Submissions  
at a Glance

35

Submissions



14

Sector-Specific  
Initiatives



10

Local  
Initiatives



20

Global  
Initiatives



5

SME  
Initiatives



For further inquiries or to explore collaboration opportunities, please reach out to Denise Filip at [filip@wbcso.org](mailto:filip@wbcso.org)

## 06

# Participating Organizations

The inaugural 2024 BIMG Beacon Projects are drawn from submissions from the following BIMG-associated organizations.

The SME Beacon Projects have been selected by UN SEED.

A full list of BIMG members and links to their websites can be found at the end of this report.

- > Adec Innovations
- > Botejana Entreprises
- > Citeo
- > CLOMA
- > Confederation of Indian Industry (CII)
- > CropLife International (CLI)
- > Dairy Sustainability Framework
- > Ecoplastile
- > EnerGeo Alliance
- > Farmers Fresh Zone
- > Global Dairy Platform (GDP)
- > International Fertilizer Association (IFA)
- > INDA
- > Ipieca
- > Mining Association of Canada
- > MYCL-Indonesia
- > NYC Fair Trade Coalition
- > SEED
- > Society of Entrepreneurs & Ecology (SEE)
- > The Natural Climate Solutions Alliance (NCSA)
- > The Vinyl Institute
- > Vinyl Plus 2030
- > The World Business Council for Sustainable Development (WBCSD)
- > World Coatings Council
- > World Fair Trade Organization (WFTO)
- > Wuchi Wami

# The Local

This section collates those BIMG Beacon projects happening at a sub-national, national, or regional level, such as in a city like New York, a country like Brazil or China, or across a region like Europe or the Indian Subcontinent.

BIMG Beacon Projects in The Local showcase the immediate, tangible effects taking place often within specific jurisdictions, offering a granular understanding of how solutions manifest on the ground and how they also have large potential to be replicated in different regions.



01.

Climate

Biodiversity

Pollution



> REGION:  
Local

# Livestock as Part of the Sustainability Solution

> SECTOR:  
Agriculture

How Indian dairy farmers are embracing the circular economy by harnessing the value of dairy cow manure.

> IMPACT:

**2 years**

to recoup investment in the biogas system

**2x**

potential income rise for farmers

> India is the world's largest milk producer and home to more [dairy cows than any other country](#). Working with India's largest dairy co-operative, [Amul](#), Dairy for Social Impact – a project funded by the [International Fund for Agricultural Development \(IFAD\)](#) and [Global Dairy Platform \(GDP\)](#) – worked with Amul to examine how the Dairy Sustainability Framework model can be applied effectively and add value to smallholder dairy systems.

The Amul team developed a biogas prototype suitable for smallholder farmers and tested it on farms in partnership with a social enterprise partner supported by the [National Dairy Development Board of India \(NDDB\)](#). Farmers were introduced to the concept of [anaerobic digestion](#), the process through which bacteria break down organic matter - such as animal manure - in the absence of oxygen. Several meetings,

awareness campaigns and demonstration-site visits were conducted for the farmers to better understand what was involved. Eventually, some farmers in [Zakhariyapur village](#) agreed to install a small number of digesters.

Each biogas plant has a capacity of 2 cubic meters and costs Rs. 24000 (US\$300). These installations were provided to volunteer families of five with an average of three cattle. The initial investment was recouped through savings in cooking fuel (LPG) within approximately two years. Across the whole of India, biogas from cattle manure could replace up to 50% of India's current annual LPG consumption. Women reported major time savings in both firewood collecting and the ordering of LPG. In addition, burning cleaner fuels improved living conditions in the house and the sale of surplus digestate as fertilizer provided supplementary income for farmers.

> ORGANIZATION: Dairy Sustainability Framework | AMUL

02.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2 style="text-align: center;">Reducing Agricultural Plastic Pollution in Brazil</h2> <p style="text-align: center; color: #e67e22;">This system has almost ended plastic pollution from used pesticide containers in Brazil.</p>		
<p>&gt; SECTOR: Agriculture</p>			
<p>&gt; IMPACT:</p> <p><b>974,000</b> tonnes of CO2 emissions saved to date in Brazil</p> <p><b>700,000</b> tonnes of plastic recycled to date in Brazil</p> <p><b>1,4 million</b> tonnes of packaging removed from the environment worldwide since 2005</p>	<p>&gt; <b>AGRICULTURAL PLASTICS</b> pose a significant environmental concern. In Brazil, farmers triple rinse their empty pesticide containers and then puncture them so that criminals cannot repurpose them for counterfeit products. However, this means many empty plastic containers are left discarded across the country's farmlands.</p> <p>The <a href="#">Campo Limpo</a> system was established in Brazil in 2002. It has developed a reverse logistics system for these containers which legally requires farmers to drop off their empty containers at collection centers. In 2021, 94% of these containers were recycled. Managed by the non-profit <a href="#">inpEV</a>, today the initiative employs 1,500 people and recovers more than 90% of the containers that enter the market. In 2022, more than 52,500 tonnes of pesticide packaging in Brazil were retrieved from the environment.</p> <p>CropLife Associations have now established similar systems in over 60 countries and expanded collections to include other types of agricultural plastics. Globally, over 1.4 million tonnes of packaging have been removed from the environment since 2005.</p> <p>&gt; <b>ORGANIZATION:</b> CropLife International</p>		
03.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2 style="text-align: center;">Promoting Sustainable Fashion Through Swap Shops</h2> <p style="text-align: center; color: #e67e22;">New York's first permanent swap shop saves 15,000 textiles from landfills.</p>		
<p>&gt; SECTOR: Fashion   Textiles</p>			
<p>&gt; IMPACT:</p> <p>Over <b>25,000 lbs</b> of clothing collected</p> <p><b>17,000 lbs</b> redistributed</p> <p><b>4,000 lbs</b> of carbon saved from the atmosphere</p>	<p>&gt; The <a href="#">Sustainable Fashion Community Center (SFCC)</a> is a grassroots initiative led by the <a href="#">NYC Fair Trade Coalition</a> that is addressing the issue of textile waste in New York. It is doing this through the city's first permanent 'swap shop', a place where shoppers can exchange their clothing for other items.</p> <p>This initiative not only reduces the amount of new clothing being purchased, but it also reduces the amount that goes to waste. As well as this, the swappers are made aware of the environmental impact of their choices and are sent an email at the end of their visit to let them know the CO2 emissions they avoided by consuming responsibly.</p> <p>As well as focusing on sustainable fashion, the organization has also grown financially sustainable through the monetization of workshops, events and swap shops. The proceeds from these have facilitated the hiring of community managers to further develop the initiative.</p> <p>Since its creation in 2021, SFCC has worked with over 100 volunteers and over 2000 participants – in some months swapping more than 2000 items of clothing that would have otherwise gone to waste.</p> <p>&gt; <b>ORGANIZATION:</b> NYC Fair Trade Coalition</p>		

04.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2 data-bbox="448 277 1366 421">Kickstarting a Scalable Reusable-Packaging Market</h2>		
<p>&gt; SECTOR: Retail</p>	<p data-bbox="448 441 1378 524">Building a scalable and sustainable reusable-packaging ecosystem in France.</p>		
<p>&gt; IMPACT:</p> <p data-bbox="148 647 371 689"><b>€100 million</b></p> <p data-bbox="148 696 320 723">raised as of 2024</p> <p data-bbox="148 766 240 792">Target of</p> <p data-bbox="148 799 236 842"><b>10%</b></p> <p data-bbox="148 848 304 902">of packaging reused by 2027</p>	<p data-bbox="448 580 930 819"> <span>&gt;</span> <b>Citeo</b> is a French producer responsibility organization (PRO) focused on household packaging and graphic paper. Companies pay PROs to finance and organize waste management and to help them reduce their environmental impact via three main approaches: reducing, recycling or reusing packaging.                 </p> <p data-bbox="448 824 935 943">                     As with reduction and recycling, the reuse of packaging is increasing in France. <a href="#">Citeo's Reuse Project</a> devotes 5% of the contributions it receives from companies to creating a healthy                 </p> <p data-bbox="987 580 1406 607">and scalable reusable-packaging market.</p> <p data-bbox="987 611 1469 943">                     Reusable packaging has two major environmental benefits: it reduces demand for virgin plastics, and reduces the amount of single-use plastics on the wider market. Citeo aims for a 25% cut in single-use plastics by 2025, and for 10% of all retail packaging to be reusable by 2027. To achieve this, the initiative will build and consolidate knowledge on reuse, experiment and support the scaling up of solutions through investment, and encourage the adoption of new reuse practices.                 </p>		
	<p data-bbox="448 1025 817 1059">&gt; ORGANIZATION: Citeo</p>		
05.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2 data-bbox="448 1229 1123 1373">Greening Real Estate in China</h2>		
<p>&gt; SECTOR: Real Estate</p>	<p data-bbox="448 1393 1461 1476">Chinese real estate developers are using green procurement and supply chain management to cut emissions.</p>		
<p>&gt; IMPACT:</p> <p data-bbox="148 1615 317 1657"><b>8 million</b></p> <p data-bbox="148 1664 371 1749">tonnes reduction in tCO<sub>2</sub>e (carbon dioxide equivalent)</p> <p data-bbox="148 1792 352 1834"><b>US\$5.2bn</b></p> <p data-bbox="148 1841 360 1899">in accumulated green procurement value</p>	<p data-bbox="448 1543 925 1691"> <span>&gt;</span> Real estate developers in China are adopting green procurement practices, thanks to a market-based approach where they access information on suppliers from curated white and green lists.                 </p> <p data-bbox="448 1695 932 1935">                     The <a href="#">Society of Entrepreneurs &amp; Ecology (SEE)</a> and Beijing Entrepreneurs Environmental Protection <a href="#">Foundation</a> launched the Green Supply Chain Action in the Real Estate Industry in 2016, jointly with China Urban Realty Association (CURA), China Real Estate Chamber of Commerce (CRECC), Vanke Enterprise and Landsea Holding Group.                 </p> <p data-bbox="987 1543 1453 1935">                     Under the scheme, energy-intensive industries like steel and cement are ranked according to their environmental compliance and performance, providing developers with greater transparency when it comes to buying decisions. The program sets rigorous environmental criteria for suppliers, covering resource use, pollutant discharge, energy saving, and GHG reduction. It rewards high-performing suppliers with business opportunities and assists others in meeting green standards through expert-led empowerment schemes.                 </p>		
	<p data-bbox="448 2022 1217 2056">&gt; ORGANIZATION: The Society of Entrepreneurs &amp; Ecology (SEE)</p>		

06.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2>Creating a Circular Economy for Plastic</h2>		
<p>&gt; SECTOR: Retail</p>	<p>How multi-stakeholder collaboration is building a circular plastics economy in India.</p>		
<p>&gt; IMPACT:</p> <p><b>55</b> organizations have joined the Pact to date</p> <p><b>15%</b> of India's plastic packaging is covered by the Pact</p>	<p> <span>&gt;</span> <b>India produces an estimated 3.4 million tonnes of plastic waste each year, according to the <a href="#">Economic Times</a>. Around 30% is recycled; much of the remainder is dumped in landfills or waterways.</b> </p> <p>The India Plastics Pact (IPP) was launched in 2021 by the <a href="#">Confederation of Indian Industry</a>, with a mission to create a circular economy for plastic packaging. Its signatories include retailers, recyclers, waste management organizations and packaging manufacturers, who together account for 15% of the plastic packaging on the market in India. Using approaches such as annual reporting, collaboration and benchmarking, these organizations are working toward a bold set of targets: by 2030, IPP is aiming for 100% of plastic packaging in India to be reusable, recyclable or compostable; a 50% recycling rate for plastic packaging; and an average of 25% recycled plastic content in all plastic packaging.</p>		
	<p>&gt; ORGANIZATION: Confederation of Indian Industry</p>		
07.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2>Implementing the DSF Model in Kenya</h2>		
<p>&gt; SECTOR: Dairy</p>	<p>Implementing continuous improvements in sustainability strategies in emerging dairy markets.</p>		
<p>&gt; IMPACT:</p> <p><b>90%</b> reduction in production costs across the factory due to lower maintenance costs, breakages and downtime</p>	<p> <span>&gt;</span> <b>The DSF partnered with Palmhouse Dairies to implement the <a href="#">Dairy Sustainability Framework (DSF)</a>, the dairy sector's sustainability monitoring and reporting initiative that tracks aggregate sustainability progress of the global dairy industry.</b> </p> <p>Supported by the <a href="#">International Fund for Agricultural Development (IFAD)</a> and the <a href="#">Global Dairy Platform (GDP)</a>, the project's objective is to implement the process of identifying and prioritizing sustainability issues unique to individual organizations and establish strategies to improve these. Integral to this process is the monitoring of progress against both local and global indicators. Palmhouse Dairies has seen the learnings and the tangible impacts of their actions <a href="#">captured and shared</a>. As a result, other dairy value chains in similar geographies can appreciate the benefits of embedding the DSF approach as part of their strategy.</p> <p>Palmhouse Dairies employs 50 people and processes 6,000 liters of milk per day into eight different products. Between 2020 and 2022, Palmhouse Dairies adopted the DSF to develop the resilience of the local market, improve worker conditions, understand and improve soil health, reduce greenhouse gas emissions, minimize</p>		
	<p>&gt; ORGANIZATION: Dairy Sustainability Framework (DSF)   Palmhouse Dairies</p>		

08.	Climate	Biodiversity	Pollution
> REGION: Local	<h2 style="text-align: center;">Industry Bands Together to Fight Crop Burning</h2> <p style="text-align: center; color: #e67e22;">Supporting India’s rice farmers to end the pollution caused by crop burning.</p>		
> SECTOR: Agriculture			
> IMPACT:  <b>195,000</b> hectares of farmland covered  <b>2,500</b> tonnes of air pollution avoided	<p> <span style="color: #e67e22;">&gt;</span> After the annual rice harvest in northern India, farmers burn the straw left after harvest, known as stubble, to prepare for the next growing season. But this widespread practice has sparked a major environmental crisis. The smog it produces causes a threefold rise in respiratory disease across the region, as well as \$1.5 billion in annual economic losses.                 </p> <p>                     The <a href="#">Cleaner Air Better Life</a> initiative, led by the <a href="#">Confederation of Indian Industry</a>, is working to address this problem at source. It gives farmers the knowledge and practical support to replace stubble burning with a range of more environmentally friendly practices, such as mulching the rice straw back into the soil or turning it into hay.                 </p> <p>                     Today the initiative works with 86,000 rice farmers across the region. Last year, 85% abstained from burning their rice stubble, saving 2,500 tonnes of particulate air pollution and 130,000 tonnes of CO2 emissions.                 </p>		
	> ORGANIZATION: Confederation of Indian Industry		
09.	Climate	Biodiversity	Pollution
> REGION: Local	<h2 style="text-align: center;">How Japanese Industry is Tackling Plastic Pollution</h2> <p style="text-align: center; color: #e67e22;">Companies in Japan’s beverage and toiletry industries are collaborating to cut waste.</p>		
> SECTOR: Consumer Goods			
> IMPACT:  <b>85%</b> diffusion rate of refill products in 2022  <b>94.4%</b> recovery rate for bottles in 2022	<p> <span style="color: #e67e22;">&gt;</span> In the face of diminishing landfill capacity and illegal dumping in forests and rivers, Japanese regulators and industry worked together to implement guidelines to promote more sustainable practices. This successfully addressed many of the past challenges and laid foundations for further industry collaborations.                 </p> <p>                     Industry associations such as the Japan <a href="#">Clean Ocean Alliance, CLOMA</a>, provide key support to help their members adopt best practices. From lighter containers and packaging to widespread use of refillable toiletry products, as well as the adoption of materials that are better suited to sorting, plastic usage has been reduced through a range of approaches.                 </p> <p>                     In the toiletries sector, the <a href="#">Japan Soap and Detergent Industry Association (JSDA)</a> has taken the lead in promoting the use of refillable containers made of very thin film since the 1990s.                 </p> <p>                     In the beverage sector, the move toward PET bottles and the reduction of plastic usage through the widespread use of refillable toiletry products has been particularly transformative.                 </p>		
	> ORGANIZATION: CLOMA		

10.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Global</p>	<h2 style="text-align: center;">Toward More Sustainable Mining</h2> <p style="text-align: center; color: #f9a825;">A global program helping over 250 mining companies become more environmentally sustainable and socially conscious.</p>		
<p>&gt; SECTOR: Mining</p>			
<p>&gt; IMPACT:</p> <p style="color: #f9a825; font-weight: bold; font-size: 1.2em;">34%</p> <p>increase in members' commitments and accountability to biodiversity targets in the last decade</p> <p style="color: #f9a825; font-weight: bold; font-size: 1.2em;">250+</p> <p>different mining companies have adopted the program</p>	<p>&gt; <b>The mining industry is estimated to contribute between 5-7% of the world's annual greenhouse gas emissions.</b></p> <p>Toward Sustainable Mining (TSM) is an initiative set up by the <a href="#">Mining Association of Canada</a> to make mining more sustainable. Founded in 2004, TSM was the first responsible mining standard in the world that required site-level assessments and external verification. Almost two decades later, it is now a thriving program that is adopted by national mining councils across the globe, who in turn ensure that their members adhere to its strict requirements. It is currently present in 12</p> <p>countries, with the program now adopted by more than 250 different mining companies.</p> <p>The program itself functions by providing a detailed standard against which companies can assess and improve their performance, all of which are tailored to the business' size and maturity. The key environmental performance indicators are centered around climate change, biodiversity conservation management, and water stewardship, whereas social performance focuses on Indigenous and community relationships; safe, diverse and inclusive workplaces, and the prevention of child and forced labor.</p>		
<p>&gt; ORGANIZATION:</p>	<p>Mining Association of Canada</p>		

# The Global

This section collates those BIMG Beacon projects that span more than one continent.

These BIMG Beacon Projects illustrate the power of scalability and interconnectedness, demonstrating how ideas can transcend geographical boundaries to address challenges on a broader scale, and often more systemically.



<p><b>01.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>&gt; REGION: Global</p>	<h1>Upcycling Offers Refuge in Disaster Relief</h1>		
<p>&gt; SECTOR: Manufacturing   Humanitarian</p>	<p>Why billboards are being repurposed as tarps for temporary shelters.</p>		
<p>&gt; IMPACT:</p> <p><b>132 tons</b> of used vinyl billboards upcycled</p> <p><b>15,000</b> disaster victims assisted</p>	<p><b>&gt;</b> In the US alone, there are over 430,00 billboards on display at any one time, most of which are printed on huge rolls of flexible, resilient vinyl. Billboards are typically changed out every three months, creating 27,700 tons of used vinyl per year. Rather than letting it go to waste, <a href="#">Every Shelter</a>, an NGO that provides disaster relief to people in Africa and the Middle East, produces temporary shelters from upcycled vinyl billboards. Since 2020, 132 tons of used billboards have already been repurposed instead of being landfilled, helping to provide shelter for 15,000 disaster victims. <a href="#">The Vinyl Institute</a>, a US trade organization representing vinyl manufacturers, is providing financial assistance through grant funding to Every Shelter to expand the scope of their work to repurpose vinyl billboards as temporary roofing for hurricane and other disaster relief victims in the United States.</p>		
	<p>&gt; ORGANIZATION: Vinyl Institute   Every Shelter</p>		
<p><b>02.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>&gt; REGION: Global</p>	<h1>Supporting Credible Net-Zero Strategies</h1>		
<p>&gt; SECTOR: All</p>	<p>Raising awareness about nature-based carbon credits to support people, nature and climate change mitigation.</p>		
<p>&gt; IMPACT:</p> <p><b>1,000</b> participants from 350 companies across 25 sectors by the end of 2024</p> <p><b>2,600+</b> companies engaged through events, discussions and meetings</p>	<p><b>&gt;</b> <a href="#">Natural climate solutions (NCS)</a> can provide around 30% of the emissions reductions needed to limit global warming to 1.5°C by 2030. One way businesses can help to achieve this is to invest in voluntary, nature-based carbon credits, which contribute to climate change mitigation, socio-economic development and biodiversity goals. In September 2023, the <a href="#">Natural Climate Solutions Alliance</a> launched the <a href="#">NCS Procurement Hub</a>, a free, online community platform to help carbon credit buyers and investors navigate the procurement of NCS carbon credits. Supported by a dedicated Taskforce of experts in the fields of natural climate solutions and the voluntary carbon market, the Hub helps buyers by providing knowledge and resources to facilitate a high-integrity procurement strategy for high-quality NCS carbon credits. Best practices are shared on the platform, which supports businesses with decision-making and the development procurement strategies for NCS credits.</p>		
	<p>&gt; ORGANIZATION: The Natural Climate Solutions Alliance</p>		

<p><b>03.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>➤ REGION: Global</p>	<p><b>Transforming Chemical Use in Fashion</b></p>		
<p>➤ SECTOR: Textiles   Fashion</p>	<p>An information ecosystem paving the way for sustainable chemical management in the fashion industry.</p>		
<p>➤ IMPACT:</p> <p><b>2400</b> participating chemical manufacturers</p> <p><b>9700</b> participating suppliers</p> <p><b>86</b> wastewater testing laboratories</p>	<p>➤ <b>The fashion industry is one of the world’s most significant users of water, and consumes anywhere from 20 trillion to 200 trillion liters annually. It also relies on widespread use of chemicals.</b></p> <p>Tracking chemical use across the supply chain can be challenging for brands and manufacturers. The <a href="#">ZDHC Gateway</a> is a database founded by and working closely with the <a href="#">ZDHC Foundation</a> to support the industry through quality chemical and water stewardship.</p> <p>To date, the system has recorded over 70,000 manufacturing reports, interfacing with numerous third-party solution providers, such as the <a href="#">ADEC CleanChain</a> platform, to build capacity and enable cooperation throughout the industry.</p> <p>The ZDHC Gateway platform, built and maintained by <a href="#">ADEC Innovations</a>, on behalf of the ZDHC community, now helps 80+ brands and retailers. These organizations use the database to support their ESG efforts. Up the chain, 98% of manufacturing suppliers don’t detect hazardous restricted substances (ZDHC MRSL) in their wastewater. Furthermore, 95% of manmade chemicals, such as PFAS listed on the ZDHC Wastewater Guidelines have been eliminated.</p> <p>➤ ORGANIZATION: ADEC Innovations - CleanChain   ZDHC Gateway</p>		
<p><b>04.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>➤ REGION: Global</p>	<p><b>Pathways to Dairy Net Zero</b></p>		
<p>➤ SECTOR: Agriculture</p>	<p>A global dairy industry effort to accelerate climate action toward net zero.</p>		
<p>➤ IMPACT:</p> <p><b>200</b> participating organizations</p> <p><b>40%</b> of global milk production covered by the platform</p>	<p>➤ <b>Since its launch in September 2021, Pathways to Dairy Net Zero has grown to include over 200 organizations and governments and represents more than 40% of global milk production.</b></p> <p>The movement is dedicated to reducing dairy’s greenhouse gas (GHG) emissions over the next 30 years and brings together a diverse range of dairy farms of every size and type, as well as organizations throughout the dairy supply chain.</p> <p>By collaborating with science, industry and other stakeholders, the Pathways to Dairy Net Zero initiative seeks to create methodologies, tools and platforms to turn commitments into quantifiable action. Emissions have already decreased in developed countries, but emissions can be cut on a global scale by establishing and sharing successful case studies throughout the industry.</p> <p>➤ ORGANIZATION: Global Dairy Platform</p>		

05.	Climate	Biodiversity	Pollution
<p>➤ REGION: Global</p>	<h2>Cutting Sulfur in Shipping</h2>		
<p>➤ SECTOR: Shipping</p>	<p>This guidance helps companies switch to low-sulfur fuel for more sustainable shipping.</p>		
<p>➤ IMPACT:</p> <p><b>70%</b> estimated annual reduction (8.5m tonnes) in sulfur content as a result of 0.5% limit (IMO)</p>	<p>➤ In 2020, a new requirement came into effect, setting a new global limit for sulfur in fuel oil used on board ships: 0.50% m/m (mass by mass). While this is a crucial step toward reducing the environmental impact of the shipping industry, the implementation of this limit has far-reaching implications throughout the marine fuel supply chain, requiring detailed consideration by all parties associated with the production, distribution, storage, handling and use of these fuels.</p> <p>Ipieca, the global oil and gas association for advancing environmental and social performance across the energy transition - is collaborating with various shipping, refining, fuel supply and standards organizations to produce <a href="#">guidance to help</a> them address resulting safety, technical, operational, environmental and social issues. The guidance is also applicable to personnel involved in the marine fuels and shipping industries, from fuel blenders and suppliers through to end users.</p>		
	<p>➤ ORGANIZATION: Ipieca</p>		
06.	Climate	Biodiversity	Pollution
<p>➤ REGION: Global</p>	<h2>Scaling Renewables Across Continents</h2>		
<p>➤ SECTOR: All</p>	<p>How procurement agreements helped companies source over half of their electricity from renewables.</p>		
<p>➤ IMPACT:</p> <p><b>51%</b> of forum members' electricity requirements were met by renewable sources in 2021</p> <p><b>112</b> terawatt-hours of renewable electricity sourced by WBCSD members in 2021</p>	<p>➤ Energy supply is responsible for <a href="#">35% of global greenhouse gas emissions</a>, according to the UN, making the scaling up of zero-carbon renewables essential to reduce climate change. <a href="#">REscale</a>, led by <a href="#">WBCSD</a>, facilitated various regional and national platforms to support renewable power procurement across Europe, South Africa, Argentina, Brazil and India.</p> <p>The project scaled up the amount of renewable energy supplied to businesses by raising awareness about corporate power procurement agreements (PPAs). These contracts are the best way for buyers around the world to procure renewable power, as well as accessing decision tools, risk mitigation strategies and financial support.</p> <p>From renewable power developers, energy utilities and electricity buyers to accounting, law firms, investors, regulators and policy makers, WBCSD engaged across the entire renewable energy value chain. In 2021 alone, renewable electricity sourced by companies involved in this initiative was equivalent to the annual power consumption of Argentina.</p>		
	<p>➤ ORGANIZATIONS: World Business Council for Sustainable Development (WBCSD)   We Mean Business Coalition   Climate Group   CDP   BloombergNEF   BCG   Conselho Empresarial Brasileiro para o Desenvolvimento Sustentável (CEBDS)</p>		

07.

Climate

Biodiversity

Pollution



➤ REGION:  
Global

## Mobilizing Industry to Clear Ocean Debris

➤ SECTOR:  
Energy

How a trade association of energy professionals supported the removal of over 2.5 million pounds of ocean debris.

➤ IMPACT:

Over **2.5 million** pounds (approximately 1.1 million kg) of marine debris removed since 2016

➤ Every year between [500 000 and 1 million](#) tons of ‘ghost’ fishing equipment are abandoned at sea. These nets are typically lost or discarded by those who work at sea and can ensnare a range of marine life, including sea turtles, dolphins, birds, porpoises, sharks and seals.

Founded in 1971, EnerGeo Alliance is the global trade alliance for the energy geoscience industry. Its members include professionals working as seismic survey crews, who spend time offshore gathering geological information for oil companies. While working offshore, seismic survey crews often help collect marine debris or save wildlife entangled in abandoned nets. [EnerGeo Alliance](#) harnessed crews’ role as environmental stewards and launched the [Sustainable Seas Initiative](#).

The initiative is a collaborative effort to reduce ocean macroplastic pollution and protect marine biodiversity. Crew members document

their encounters with endangered wildlife or marine debris through photographs and deliver the debris to the dock at the end of their time at sea. This information is then shared with EnerGeo Alliance, contributing to a growing data archive on marine debris. The positive impact of members’ environmental stewardship is captured and reported on. To support crews in their efforts, EnerGeo has also published a [best practice document](#) for geophysical service crew on assisting entangled wildlife.

To date, the amount of debris removed is already enough to cover London’s Wembley Stadium soccer field more than 30 times. Or put another way, enough to fill nearly 82 40-foot shipping containers. Due to the initiative’s success, it will be launched as a standalone non-profit organization, aiming to work with a wider range of stakeholders to broaden awareness and participation in the reporting and disposal of macroplastic waste.

➤ ORGANIZATION: EnerGeo Alliance

<p><b>08.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>&gt; REGION: Global</p>	<h2>The Coalition of Action for Soil Health (CA4SH)</h2>		
<p>&gt; SECTOR: Agriculture</p>	<p>Supporting initiatives that promote sustainable soil management practices.</p>		
<p>&gt; IMPACT:</p> <p><b>15</b> companies across the entire agri-food chain</p> <p><b>25</b> flagship initiatives</p>	<p>&gt; <b>The world loses around 24 billion tonnes of topsoil every year. The Coalition of Action for Soil Health (CA4SH) is a multi-stakeholder coalition seeking to improve soil health globally. It does so by addressing food and nutrition security, climate change, socioeconomic returns and growth, productivity, rural livelihoods, biodiversity, climate and nature.</b></p> <p>Since its inception in 2021, the coalition has advocated for the use of sustainable farming practices so that agriculture can shift away from soil degradation to soil restoration. Today, CA4SH continues on its mission to weave soil health considerations into the agri-food value chain, develop financial tools and best-management mechanisms, support research and development, and attract investment in soil health.</p>		
	<p>&gt; ORGANIZATION: International Fertilizer Association (IFA)</p>		
<p><b>09.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>&gt; REGION: Global</p>	<h2>Collaborating to Cut Flaring</h2>		
<p>&gt; SECTOR: Oil and Gas</p>	<p>How governments, regulatory bodies, funding agencies and companies can cut flaring.</p>		
<p>&gt; IMPACT:</p> <p><b>24</b> Ipieca members have signed up to the GGFR's Zero Routine Flaring by 2030 initiative</p>	<p>&gt; <b>Gas flared at oil production sites around the globe contributes to climate change by releasing CO2 and methane into the atmosphere. While the oil and gas industry is committed to reducing routine flaring and progress is being made, the volume of flared gas in 2020 was still high enough to power all of Sub-Saharan Africa.</b></p> <p>In response, <a href="#">Ipieca</a>, the global oil and gas association for advancing environmental and social performance across the energy transition, partnered with IOGP and the World Bank Global Gas Flaring Partnership (GGFR) to produce <a href="#">guidance on reducing flaring</a>. This work demonstrates how governments, regulatory bodies, funding agencies and oil and gas companies can work together to create the necessary conditions to shift away from flaring. Specifically, it advises on institutional set-up, regulations and guidelines, data management systems, flare gas-to-market project origination, and best practices to catalyze the development of gas monetization projects.</p>		
	<p>&gt; ORGANIZATION: Ipieca</p>		

10.	Climate	Biodiversity	Pollution
<p>➤ REGION: Global</p>	<h2>Promoting Responsible Pesticide Management</h2>		
<p>➤ SECTOR: Agriculture</p>	<p>Promoting and enabling responsible pesticide management around the world.</p>		
<p>➤ IMPACT:</p> <p><b>\$14 million</b> of investment raised to date</p> <p>Program deployment across <b>9 countries</b>, spanning three continents by 2025</p> <p><b>60 tons</b> of empty pesticide containers collected for safe disposal in Morocco in 2023</p>	<p>➤ Pesticides play a vital role in global food production by enabling farmers to sustainably increase productivity while managing critical climate and environmental challenges. As global temperatures rise, new threats emerge. For example, the range of insect plagues and diseases is changing. Low and middle-income countries in tropical climates are especially vulnerable to these new threats. Pesticides are part of the answer, but unless they are managed appropriately, they can pose significant risks to human and environmental health. The <a href="#">CropLife International Sustainable Pesticide Management Framework (SMPF)</a> takes an integrated approach on chemicals management through the acceleration of data and sharing of knowledge. The framework seeks to enable a sustainable transition away from specific pesticides and improve circularity in the sector through innovative and sustainable solutions. The framework is operational in Kenya, Morocco, Thailand and Vietnam, with a further five countries due to join by 2025. This is pursued in extensive collaborations with governments and other partners to catalyze and scale impact.</p> <p>➤ ORGANIZATION: CropLife International</p>		
11.	Climate	Biodiversity	Pollution
<p>➤ REGION: Global</p>	<h2>Fighting Plastic Pollution Through Innovative Technology</h2>		
<p>➤ SECTOR: Chemicals &amp; Materials</p>	<p>A new biodegradation solution cuts microplastics by harnessing new biotransformation technology.</p>		
<p>➤ IMPACT:</p> <p><b>3.3 million</b> tonnes of synthetic polymer-based fibers used in North American nonwovens production in 2022</p>	<p>➤ Every year, the world generates 400 million tonnes of plastic waste, according to <a href="#">UNEP</a>, and less than 10% of this is recycled. The remainder can <a href="#">persist in the environment for centuries</a> before it breaks down. However, biotransformation technology created by Imperial College London spinout company <a href="#">Indorama Ventures</a> can be used to fundamentally alter polyolefin plastic composition, ensuring they can maintain their essential qualities without harming the environment. When activated, biotransformation chemically transforms the plastics, leaving only a <a href="#">wax-like material</a> that can be consumed easily by microbes such as bacteria and fungi. This technology can be time-controlled and easily integrated into production chains, allowing global brands and organizations to align with the circular economy's goal of minimizing the environmental impact of plastic waste.</p> <p>➤ ORGANIZATION: Association of the Nonwoven Fabrics Industry (INDA)</p>		

10.	Climate	Biodiversity	Pollution
<p>➤ REGION: Global</p>	<h2 style="text-align: center;">Supporting Sustainable Fair-Trade Enterprises</h2> <p style="text-align: center; color: #4CAF50;">Addressing the triple planetary crisis through Fair Trade principles.</p>		
<p>➤ SECTOR: Trade</p>			
<p>➤ IMPACT:</p> <p style="font-size: 24px; font-weight: bold; color: #4CAF50;">421</p> <p>Fair Trade Enterprises (SMEs or networks), retailers and support organizations worldwide</p>	<p>➤ <b>The <a href="#">World Fair Trade Organization (WFTO)</a> envisions a world where production, consumption and trading are fair and environmentally friendly. By promoting Fair Trade principles, WFTO seeks to combat the triple planetary crisis of climate change, biodiversity and pollution by addressing unsustainable production and consumption patterns.</b></p> <p>Today, WFTO’s network comprises over 400 Fair Trade Enterprises and SMEs from across the globe and various industry sectors. Examples of these enterprises include, <a href="#">Plastics for Change</a>, discarded plastic and provide fair wages to urban waste pickers. To date, the organization has collected over 10,000 tonnes of plastic waste. Another example is Dutch manufacturer <a href="#">Soaply</a> which makes cleaning products from at least 99% renewable materials. Other examples include <a href="#">Nyuzi BlackWhite</a> which combats Kenya’s waste problem by upcycling materials like old cement bags into high-quality apparel and <a href="#">Allpa</a>, which supports the sustainable development of Peru’s artisan communities. Bag and apparel company, <a href="#">Joyya</a>, spearheads social initiatives in India through its social arm, Joyya Collective.</p> <p>➤ ORGANIZATION: World Fair Trade Organization (WFTO)</p>		
11.	Climate	Biodiversity	Pollution
<p>➤ REGION: Global</p>	<h2 style="text-align: center;">Guiding Global Business to Nature Positive</h2> <p style="text-align: center; color: #4CAF50;">Accelerating credible nature-positive ambition, action and accountability.</p>		
<p>➤ SECTOR: Various</p>			
<p>➤ IMPACT:</p> <p style="font-size: 24px; font-weight: bold; color: #4CAF50;">75</p> <p>leading global companies involved</p> <p style="font-size: 24px; font-weight: bold; color: #4CAF50;">4</p> <p>high-impact systems covered: agri-food, forest products, the built environment and energy</p>	<p>➤ <b>Following the adoption of the Global Biodiversity Framework, pressure on business to assess and disclose impacts and dependencies on nature is growing. In response, <a href="#">WBCSD</a> has actively collaborated with key organizations, including <a href="#">TNFD</a> and <a href="#">SBTN</a>, to ensure that business engages in the development and implementation of frameworks that are ambitious, practical and drive impact.</b></p> <p>Working closely with over 75 leading global companies, WBCSD has released a series of <a href="#">Roadmaps to Nature Positive</a> that support companies in taking credible, impactful action on nature. These Roadmaps provide detailed step-by-step guidance relevant for all businesses, across a range of nature-action maturity levels, as well as specific in-depth analysis for four high impact systems: agri-food, forest products, built environment and energy.</p> <p>Next steps for the initiative include accelerating the adoption of existing Roadmaps, developing future iterations, and expanding their scope to include even more systems.</p> <p>➤ ORGANIZATION: World Business Council for Sustainable Development</p>		

14.

Climate

Biodiversity

Pollution



➤ REGION:  
Global

## Scaling Global ZEV Adoption

➤ SECTOR:  
Transportation

From India and Mexico to Brazil, Indonesia and Thailand, a multi-stakeholder effort to tackle emissions in one of the largest hard-to-abate sectors.

➤ IMPACT:

Over **30** companies engaged in ZEV-EMI

Partnerships with **Turkey, Brazil and Indonesia** set to start following success in **India and Mexico**

➤ To meet net-zero targets, transport-sector emissions must fall by around a quarter by 2030, according to the [IEA](#). Road transportation accounts for 70% of global transport emissions, according to the same organization.

Not only are emerging economies home to burgeoning populations, they are also home to hundreds of millions of vehicles. India alone has over 320 million vehicles. And in emerging economies such as Indonesia and India, pollutant concentrations are more than 15 times higher than WHO-recommended levels.

The shift to electric vehicles (EVs) has a key role to play. EVs are predicted to displace 5 million barrels of oil a day and avoid 700 Mt CO<sub>2</sub>-equivalent emissions by 2030. The [Zero-Emission Vehicle Emerging Markets Initiative \(ZEV-EMI\)](#) was launched at COP27, as a way to help emerging economies decarbonize transportation at speed. Backed

by the ZEVTC governments, led by US and UK, and the WBCSD, the initiative has already received support from 30 companies. To date the collaboration has spearheaded India's freight decarbonization. Stakeholders recently signaled demand of almost [8000 e-trucks](#) by 2030.

The goal of ZEV-EMI is to strengthen international support to align transition roadmaps and accelerate the pace of zero-emissions vehicle adoption in emerging markets and developing economies. By supporting public-private collaborative agreements, businesses and governments are able to realize ambitious zero-emission vehicle goals, thereby contributing to the reduction of 23% of emissions coming from road transport. Collaboration in India and Mexico shaped viable blueprints for replicating impactful public-private actions across other markets.

➤ ORGANIZATION: WBCSD | ZEVTC Governments (led by US and UK)

<p><b>15.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>➤ REGION: Global</p>	<p><b>Decarbonizing at Scale</b></p>		
<p>➤ SECTOR: All</p>	<p>Using a new global standard to calculate product emissions data for informed decision-making.</p>		
<p>➤ IMPACT:</p> <p><b>900</b> suppliers calculating and exchanging product carbon footprints (PCFs) in 2023</p> <p><b>1500+</b> product carbon footprints</p> <p><b>50%</b> potential impact reduction improvements from PCF specific insights</p> <p><b>40+</b> solution providers have registered interest in becoming part of the Pathfinder Network</p>	<p>➤ Companies are increasingly having to report on supply-chain emissions. This poses huge challenges as <b>80%</b> of a typical company's climate impact originates from its supply chain and user consumption - both outside a company's direct control.</p> <p>As such, access to data across the supply chain is often patchy. <a href="#">Partnership for Carbon Transparency (PACT)</a> is working to ease data exchange along the value chain via harmonization and technology. To date, the effort has brought together 100 companies (corporates, auditors, technology providers, as well as over 100 entities including academia (e.g. MIT), policy makers and regulators (e.g. EU Commission), standard setters (e.g. ISO, WRI, GHG Protocol), and industry initiatives.</p>		
<p><b>16.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>➤ REGION: Global</p>	<p><b>Painting a More Sustainable Future</b></p>		
<p>➤ SECTOR: Chemicals</p>	<p>How innovative coatings help lower fuel requirements and improve energy storage capacity.</p>		
<p>➤ IMPACT:</p> <p><b>384 million</b> tonnes reduction in annual GHG emissions from shipping industry's use of antifouling coatings</p>	<p>➤ The <a href="#">World Coatings Council</a> is making progress toward sustainability while advancing the UN SDGs. Coatings can provide energy savings, protection from invasive species and protection from contamination. Enhanced durability from coatings results in lower demand for raw materials and emissions from manufacturing and transport of goods.</p> <p>Coatings are a vital component of water transmission infrastructure used to prevent microbial contamination during transport.</p> <p>They also provide electrical insulation enabling superconducting batteries to extend vehicle life. On solar panels, coatings allow for enhanced absorption of solar energy enabling greater electricity production with fewer emissions. Lighter vehicle coatings are currently being developed so vehicles use less fuel and emit less. Antifouling coatings on ships reduce greenhouse gas emissions by the shipping industry. Marine coatings prevent transfer and introduction of invasive species by ships.</p>		
	<p>➤ ORGANIZATION: World Coatings Council</p>		

<p><b>17.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>› REGION: Global</p>	<p><b>COP28 Action Agenda on Regenerative Landscapes</b></p>		
<p>› SECTOR: Agriculture &amp; Food</p>	<p>Fostering thriving regenerative landscapes through transparency and collaboration.</p>		
<p>› IMPACT:</p> <p><b>\$2 billion</b> invested with a further \$2.2 billion committed</p> <p><b>3,6 million</b> farmers involved in partnerships</p> <p><b>160 million</b> hectares in transition to regenerative agriculture</p>	<p>› Modern food systems contribute to about a third of total greenhouse gas emissions and require large amounts of water, energy and land. The current system exposes many vulnerable communities to climate shocks.</p> <p>› <a href="#">Regenerative agriculture</a> at a landscape level could enable global food systems to meet the needs of present and future generations without depleting nature. The <a href="#">COP28 Action Agenda</a> on Regenerative Landscapes is a flagship initiative led by the <a href="#">COP28 Presidency</a>, the World Business Council for Sustainable Development (WBCSD) and the <a href="#">Boston Consulting Group (BCG)</a> and supported by the <a href="#">UN</a>.</p> <p>› <a href="#">Climate Change High Level Champions (HLC)</a>. Launched at COP28 in Dubai, it aims to aggregate, accelerate and amplify existing efforts and new commitments to transition large agricultural landscapes to regenerative landscapes by 2030.</p> <p>To date, over 25 leading organizations are working to increase transparency and accountability. The initiative supports collaboration on areas such as GHG emissions, water, soil health, biodiversity, and improving farmers' livelihoods. These organizations have so far invested USD \$2 billion into regenerative landscape projects, with an additional USD \$2.2 billion committed.</p>		
	<p>› ORGANIZATIONS: COP28 Presidency   WBCSD   Boston Consulting Group UN Climate-Change High Level Champions</p>		
<p><b>18.</b></p>	<p>Climate</p>	<p>Biodiversity</p>	<p>Pollution</p>
<p>› REGION: Global</p>	<p><b>Near-Zero Targets for the Built Environment</b></p>		
<p>› SECTOR: Construction &amp; Infrastructure</p>	<p>A collaboration to shift the built environment to near-zero emissions by 2030.</p>		
<p>› IMPACT:</p> <p><b>28</b> countries have already pledged their commitment</p> <p><b>18</b> international initiatives have already joined the collaboration</p>	<p>› The <a href="#">Buildings Breakthrough</a> was launched at COP28 by France and the Kingdom of Morocco. It saw 28 countries, representing over a third of the global population, join together to accelerate the transformation of the buildings sector, which is responsible for 40% of global energy-related CO2 emissions.</p> <p>The Buildings Breakthrough is backed by a coalition of global initiatives, bringing together public, private and public-private partners.</p> <p>WBCSD supports the Buildings Breakthrough through the Built Environment Market Transformation Action Agenda, which unites stakeholders along the full value chain to work together to achieve the 2030 goal.</p> <p>The Breakthrough, hosted by UNEP's Global Alliance for Buildings and Construction (GlobalABC), provides a platform to advance international collaboration in the sector focused around five priority areas, in line with the Breakthrough Agenda.</p>		
	<p>› ORGANIZATIONS: Governments of France and Kingdom of Morocco, UN Environment Programme (UNEP), Global Alliance for Buildings and Construction (GlobalABC), WBCSD</p>		

19.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Global</p>	<h2 data-bbox="448 277 1425 421">The Path to Recycling 1 million Tonnes/year of PVC</h2> <p data-bbox="448 439 1362 521">Accelerating the PVC industry’s transition to circularity and decarbonization</p>		
<p>&gt; SECTOR: Plastics</p>			
<p>&gt; IMPACT:</p> <p data-bbox="150 656 311 696"><b>1 million</b></p> <p data-bbox="150 707 392 880">tonnes per year of recycled PVC expected to be used in new products by 2030 – equal to 2 million tonnes of CO2 saved annually</p> <p data-bbox="150 902 233 943"><b>200</b></p> <p data-bbox="150 952 336 976">partner companies</p> <p data-bbox="150 999 225 1039"><b>150</b></p> <p data-bbox="150 1048 328 1072">recycling partners</p>	<p data-bbox="448 591 930 651">&gt; <b>VinylPlus 2030</b> is the European PVC industry’s commitment to sustainability. <b>The aim of the commitment is to create a long-term sustainability framework for the entire PVC value chain, improving PVC products’ sustainability and circularity so they can contribute to a sustainable society.</b></p> <p data-bbox="448 656 933 958">One of the initiative’s most notable actions is the setup of PVC waste collection and recycling schemes, virtually non-existent 20 years ago. Since 2000, 8.1 million tonnes of PVC waste were recycled and reused in new products, thus preventing the release of around 16.2 million tonnes of CO2 into the atmosphere.</p> <p data-bbox="978 595 1358 680">The VinylPlus 2030 Commitment covers 3 pathways, 12 action areas and 39 measurable targets, all of which are monitored by an independent committee to ensure transparency and accountability. The 3 pathways embrace the PVC value chain’s circularity, its advancement toward carbon neutrality, minimization of the environmental footprint, and its engagement with stakeholders.</p>		
20.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Global</p>	<h2 data-bbox="448 1229 1410 1301">Promoting Holistic Soil Health</h2> <p data-bbox="448 1332 1287 1415">How arming farmers with knowledge of their land helps fight climate change.</p>		
<p>&gt; SECTOR: Agriculture</p>			
<p>&gt; IMPACT:</p> <p data-bbox="150 1610 347 1650"><b>50 million</b></p> <p data-bbox="150 1659 376 1805">hectares of agricultural land characterized through Digital Soil Fertility Mapping (DSFM) Programs</p> <p data-bbox="150 1827 209 1868"><b>44</b></p> <p data-bbox="150 1877 292 1933">new fertilizers formulated</p>	<p data-bbox="448 1503 903 1861">&gt; <b>The agricultural sector is recognized as a major contributor to global carbon emissions, water consumption, and soil degradation. OCP Africa adopts a holistic and farmer-centric approach to reduce emissions and land use, specifically by focusing on sustainable agricultural practices, including integrated soil health and fertility management and innovative solutions like Digital Soil Fertility Mapping programs which allow for the development of tailored fertilizers.</b></p> <p data-bbox="448 1865 863 1951">The Unlocking of The Potential of Acid Soils in Africa (DAQARA) project and the Field Demonstration Project are also clear illustrations of how OCP Africa equips farmers with knowledge to better manage their land and apply the nutrients they need at different moments in the crop cycle following the 4Rs principle. To achieve these objectives, OCP Africa has meticulously developed site and crop-specific fertilizers through cutting-edge soil mapping technologies, aiming to offer scientific evidence for efficient phosphorus application in Sub-Saharan Africa’s unique soil conditions. Building on its accomplishments, the organization aspires to characterize an additional 30 million hectares of arable land by 2028, contributing to a continent-wide effort to enhance soil health and agricultural productivity.</p>		
<p>&gt; ORGANIZATION: OCP Africa</p>			

# SMEs

This section presents some innovative SMEs whose business models and strategies tackle sustainability challenges and create jobs and livelihoods as a result.

These enterprises have been recognized, awarded and trained by SEED. BIMG associations and their members are encouraged to connect with SEED and help champion or scale any such SME Beacon Project that is complementary to their sector or company.



01.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2 data-bbox="448 280 1125 416">Building Homes from Plastic Waste</h2>		
<p>&gt; SECTOR: Construction</p>	<p data-bbox="448 443 1310 526">Turning Africa’s plastic waste crisis into sustainable economic opportunity.</p>		
<p>&gt; IMPACT:</p> <p data-bbox="151 656 264 701"><b>1,500</b></p> <p data-bbox="151 707 312 763">tonnes of plastic waste recycled</p> <p data-bbox="151 813 264 857"><b>1,250</b></p> <p data-bbox="151 864 333 891">green jobs created</p>	<p data-bbox="448 600 927 775"> <span data-bbox="448 600 491 645">➤</span> <b>Plastic pollution is a growing and Africa-wide crisis. The region generates more than <a href="#">19 million tonnes of plastic waste</a> each year, according to WWF. Most of this ends up being dumped, burned, or polluting rivers and coastlines.</b> </p> <p data-bbox="448 781 919 958">                     Ugandan startup <a href="#">Ecoplastile</a> has developed a circular solution to this problem: recycling plastic waste into sustainable construction materials. These products include its flagship Ecoroof tiles, which are cheaper and less polluting than cement tiles, and 100%                 </p> <p data-bbox="978 600 1457 927">                     recyclable. Ecoplastile’s business model generates significant social and economic benefits, too. By recasting plastic waste as a valuable resource, Ecoplastile has created a new revenue stream for Africa’s waste-pickers. Workers can exchange the plastic they have collected for points using a mobile app. These can be used immediately in a variety of ways – to pay bills, buy insurance or mobile airtime – or be sent directly as cash to the user’s mobile money account.                 </p> <p data-bbox="448 1028 871 1061"> <span data-bbox="448 1028 491 1061">➤</span> <b>ORGANIZATION:</b> Ecoplastile                 </p>		
02.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2 data-bbox="448 1232 1362 1368">Shrinking Carbon Footprints in Farming</h2>		
<p>&gt; SECTOR: Agriculture</p>	<p data-bbox="448 1395 1270 1478">Tackling food loss and waste in India: good news for farmers and the planet</p>		
<p>&gt; IMPACT:</p> <p data-bbox="151 1615 360 1659"><b>3.4 million</b></p> <p data-bbox="151 1666 333 1722">tonnes of CO2 emissions avoided</p> <p data-bbox="151 1771 272 1816"><b>8,000</b></p> <p data-bbox="151 1823 312 1850">farmers involved</p>	<p data-bbox="448 1552 911 1597"> <span data-bbox="448 1552 491 1597">➤</span> <b>Food loss and waste is responsible for around <a href="#">8% of global CO2 emissions</a>.</b> </p> <p data-bbox="448 1603 895 1722"> <b>Each year, <a href="#">74 million tonnes of food is lost in India</a>, and as well as the environmental impact, this represents a huge loss of potential revenue for India’s farmers.</b> </p> <p data-bbox="448 1729 927 1906">                     Agri tech startup <a href="#">Farmers Fresh Zone</a> has built a new supply chain from the ground up to both reduce food loss and waste and increase farmers’ incomes. The company provides training, guidance and technological support to help farmers shrink their carbon footprints                 </p> <p data-bbox="983 1552 1422 1597">                     while improving the quality and quantity of their produce.                 </p> <p data-bbox="983 1603 1461 1780">                     The project currently connects 8,000 farmers with 200,000 customers. In this group, it has cut food waste by 40% and food miles by 45%, boosted farmers’ incomes by 20%, and saved the equivalent of 3.4 million tonnes of CO2 emissions.                 </p> <p data-bbox="448 2029 959 2063"> <span data-bbox="448 2029 491 2063">➤</span> <b>ORGANIZATION:</b> Farmers Fresh Zone                 </p>		

03.	Climate	Biodiversity	Pollution
> REGION: Zambia	<h2 style="margin: 0;">Saving Bees and Trees in Zambia</h2> <p style="margin: 0;">How a beekeeping initiative is generating income for 1000 farmers in Zambia.</p>		
> SECTOR: Agriculture			
> IMPACT:  <b>125,000+</b> trees saved  <b>22</b> jobs created  <b>994</b> farmers provided with sustainable livelihoods	<p> <span style="color: #00A69F;">&gt;</span> <b>Wuchi Wami</b> is a honey brand based in Mwinilunga, Zambia. It packages, brands, markets and distributes organic honey that is sustainably sourced from the wild Miombo forests in the north west of the country.                 </p> <p>                     Rather than use the traditional beekeeping model, which requires the regular felling of Miombo trees, Wuchi Wami is preserving forests by encouraging the use of modern, soft wood beehives. So far the initiative has had a significant environmental impact, saving over 125,000 trees and counting.                 </p> <p>As well as being an environmentally sustainable business, it also aims to have a long-term economic impact on the communities involved. To date, the initiative has worked with more than 990 small scale farmers to help them keep bees in a less invasive way. The organization not only provides training and education programs, but also supplies key equipment, including modern beehives, PPE and buckets. This alternative to traditional methods not only reduces the environmental impact and profitability of beekeeping, but it also makes the task less labor intensive, opening it up to more women and young people.</p> <p> <span style="color: #00A69F;">&gt;</span> <b>ORGANIZATION:</b> Wuchi Wami                 </p>		
04.	Climate	Biodiversity	Pollution
> REGION: Global	<h2 style="margin: 0;">Manufacturing Leather from Mycelium</h2> <p style="margin: 0;">This Indonesian startup helped spare 7,000 cows by developing alternative leather made from mycelium.</p>		
> SECTOR: Fashion   Automotive			
> IMPACT:  <b>1,300</b> tCO2e of annual carbon sequestration opportunity  <b>7,000</b> cows lives' saved by the switch to alternative leather	<p> <span style="color: #00A69F;">&gt;</span> Most well-known leather alternatives are made from plastics which are polluting and energy-intensive to manufacture. New alternatives are now proliferating in the form of bio-based leathers, made from naturally occurring materials. These can reduce water usage and carbon emissions associated with leather and leather alternatives.                 </p> <p>                     Mycelium - the root-like structure of a fungus - has the potential to disrupt the world of fashion and the automotive industry, which is also heavily dependent on leather.                 </p> <p> <b>MYCL-Indonesia</b>, headquartered on Java, the world's most populous island, collaborated with over 50 international fashion brands and agri-crop waste producers to produce a low-carbon leather substitute using mycelium technology. Agri-crop waste was supplied by and converted into the mycelium product. With an annual production goal of 250,000 sqft, the project aims to avoid 430 tCO2-e emissions and save 240 million liters of fresh water every year. The technology has been featured at Paris Fashion Week and Melbourne Fashion Week.                 </p> <p> <span style="color: #00A69F;">&gt;</span> <b>ORGANIZATION:</b> MYCL-Indonesia                 </p>		

05.	Climate	Biodiversity	Pollution
<p>&gt; REGION: Local</p>	<h2 style="text-align: center;">Transforming Glass Bottles into Sustainable Bricks</h2> <p style="text-align: center; color: #4F81BD;">The community enterprise in Botswana turning waste bottles into construction materials.</p>		
<p>&gt; SECTOR: Waste Management, Construction</p>			
<p>&gt; IMPACT:</p> <p style="font-size: 24px; font-weight: bold; color: #4F81BD;">60%</p> <p>of employees are women</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p><b>&gt; Botejana Enterprises converts discarded glass bottles into high-quality silica sand, a key ingredient for manufacturing bricks. This innovative process not only mitigates solid waste accumulation but also fosters sustainable construction practices by using the silica sand as a vital component in brick manufacturing. The process helps reduce soil erosion and illegal mining.</b></p> <p>Working with the local community, Botejana Enterprises partners with nearby bars to</p> </div> <div style="width: 35%;"> <p>collect unwanted bottles. The initiative tackles environmental challenges but also champions the empowerment of women, who make up 60% of employees. The enterprise also trains employees in brick molding to equip them with useful skills, provides a source of income for glass-bottle pickers and offers annual profit sharing.</p> </div> </div>		
<p>&gt; ORGANIZATION: Botejana Entreprises</p>			

# Conclusions

## Collaborating for Good



The BIMG Beacon Projects catalogs business-driven breakthroughs. Together, they shine a light for decision makers, offering guidance on how to tackle the triple planetary crisis of climate, biodiversity loss and pollution, while also creating jobs, sustainable economic value and supporting livelihoods.

➤ These BIMG Beacon Projects offer examples of how business associations and business collaborations are helping to tackle the greatest challenge of our time. From energy and fashion to manufacturing, transportation, mining, agriculture and shipping, each example shows what business-led innovation can achieve.

These examples highlight the opportunities for businesses to create jobs, build sustainable economic value and support livelihoods both locally and globally. They illustrate the creativity, ingenuity and momentum possible when business applies itself to solving interconnected sustainability challenges. The range of case studies and scalable examples offers compelling food for thought for the international community on the kinds of policy, financial and information-exchange and awareness-raising interventions that can be structured to help speed, scale and replicate such initiatives.

Tackling climate change alone poses a monumental challenge. As last year's UN Global Stocktake of the Paris Agreement showed, the world is still a long way off where we need to be to meet the 1.5°C targets set at COP21 in Paris.

The UN estimates that to achieve the [Paris Agreement's targets, global greenhouse gas \(GHG\) emissions](#) must decrease by 43% by 2030 and 60% by 2035 compared with 2019 levels. This presents a substantial mountain to climb and calls for transformative change across all sectors and economies. The list of priorities is extensive; scaling up renewable energy, phasing out all unabated fossil fuels, ending deforestation, and implementing both supply- and demand-side measures.

## > **Aligning incentives to build momentum**

This report shows that when incentives and momentum align on climate, progress can be rapid and transformative. Take the [Zero-Emission Vehicle Emerging Markets Initiative \(ZEV-EMI\)](#) which was launched at COP27. With support from the US and UK governments and 25 companies, so far there have been [\\$50 billion of planned investments into zero-emissions vehicles](#) across emerging markets.

Another notable example is the Rescale initiative, which shows how business-to-business procurement agreements have helped companies source over half of their electricity from renewables, including in emerging and developing countries. Working through business networks like the WBCSD and the We Mean Business Coalition, REscale has engaged businesses large and small across the entire renewable energy value chain. In 2021 alone, renewable electricity sourced by companies involved in this initiative was 117 terawatt hours, equivalent to the annual power consumption of Argentina. Scalable initiatives like Rescale offer powerful and proven mechanisms for the international community to leverage to help meet ambitious COP28 global targets such as a 30% increase in renewable power generation by 2030.

This report shows that when incentives and momentum align on climate, progress can be rapid and transformative.

## > **Combining finance, technology and capacity-building**

Such business-driven initiatives can also tackle biodiversity loss and pollution. Take the platform for transforming chemical use in global fashion: a global project that has paved the way for implementing sustainable chemical management in the fashion industry. This platform helps brands and retailers—representing more than 80% of the global fashion market—to manage to zero the use of chemical substances banned from intentional use in the upstream processing of textiles, leather, rubber, foam, adhesives and trims in the apparel and footwear industry. This is crucial for protecting nature as well as tackling pollution, given that the fashion industry is one of the world's largest industrial users of water. Examples such as this show what is possible when business-driven initiatives, finance, technology, and capacity-building unite in collaboration with policy makers.

Such efforts must be specific to local contexts and be able to scale or replicate across national governments, regional assemblies and the international community, as the BIMG Beacon Projects show. By constantly striving to iterate and improve, such business-driven initiatives, buttressed by smart policy-enabling environments, can remain agile and innovative, ensuring effective and inclusive real-world solutions.

This inaugural BIMG Beacon Projects report shines a light on what can be done. We offer an invitation to decision makers and businesses everywhere to take inspiration and action.

> We look forward to engaging with you.

# List of Business Industry Major Group Members

- [Energeo Alliance](#)
- [Acoplasticos](#)
- [Adec Foundation Inc.](#)
- [All India Plastics Manufacturers' Association](#)
- [Alliance to End Plastic Waste](#)
- [American Chemistry Council](#)
- [Associacao Brasileira Da Industria Do Plastico \(ABIPLAST\)](#)
- [Associacao Brasileira da Industria Quimica \(ABIQUIM\)](#)
- [Association of Plastic Recyclers \(APR\)](#)
- [Botswana Green Building Council](#)
- [British Plastics Federation](#)
- [CITEO](#)
- [Confederation of European Waste-to-Energy Plants \(CEWEP\)](#)
- [Confederation of Indian Industry](#)
- [CropLife International A.I.S.B.L.](#)
- [Entreprises pour l'Environnement \(Centre for European Policy Studies\)](#)
- [EPS Industry Alliance \(EPS-IA\)](#)
- [European Bioplastics e.V. \(EUBP\)](#)
- [European Wind Energy Association](#)
- [Global Dairy Platform Inc \(GDP\)](#)
- [Global Wind Energy Council](#)
- [Good Food Institute](#)
- [Grain and Feed Trade Association \(GFTA\)](#)
- [INDA, Association of the Nonwoven Fabrics Industry](#)
- [Indo OIC Islamic chamber of commerce and industry \(IICI\)](#)
- [Institute of Scrap Recycling Industries \(ISRI\)](#)
- [International Association of Ports and Harbours \(IAPH\)](#)
- [International Copper Association \(ICA\)](#)
- [International Council of Beverages Associations \(ICBA\)](#)
- [International Council of Chemical Associations \(ICCA\)](#)
- [International Council on Mining and Metals \(ICMM\)](#)
- [International Dairy Federation](#)
- [International Federation of Freight Forwarders Association](#)
- [International Federation of Pharmaceutical Manufacturers & Associations \(IFPMA\)](#)

- [International Federation of Surveyors \(FIG\)](#)
- [International Fertilizer Industry Association \(IFA\)](#)
- [International Hydropower Association](#)
- [International Nuclear Societies Council \(INSC\)](#)
- [International Organization of Employers](#)
- [International Petroleum Industry Environmental Conservation \(IPIECA\)](#)
- [International Seed Federation](#)
- [Japan Chemical Industry Association \(JCIA\)](#)
- [Japan Clean Ocean Material Alliance \(CLOMA\)](#)
- [Kenya Ports Authority](#)
- [Korea Petrochemical Industry Association \(KPIA\)](#)
- [KTDA Foundation](#)
- [Malaysian Plastics Manufacturers Association \(MPMA\)](#)
- [Mining Association of Canada](#)
- [NYC Fair Trade Coalition](#)
- [PETCORE Europe](#)
- [Plant Based Products Council \(PBPC\)](#)
- [Plastics Europe](#)
- [Plastics Industry Association](#)
- [Plastics New Zealand \(Plastics NZ\)](#)
- [Plastics Recyclers Europe](#)
- [Polyolefin Circular Economy Platform \(PCEP\)](#)
- [Pulse Canada](#)
- [Saudi Green Building Forum](#)
- [Society of Entrepreneurs & Ecology \(SEE\)](#)
- [Solar Heat Europe](#)
- [Stichting CEFLEX](#)
- [The Association for European Manufacturers of Expanded Polystyrene \(EUMEPS\)](#)
- [The Consumer Goods Forum \(CGF\)](#)
- [The European Chemical Industry Council \(CEFIC\)](#)
- [The European Nonwovens and Disposables Association \(EDANA\)](#)
- [The International Council on Metals and the Environment](#)
- [The Palestinian Green Building Council \(PalGBC\)](#)
- [The Plastics Federation of South Africa \(Plastics SA\)](#)
- [The Vinyl Institute](#)
- [United States Council for the International Business, Incorporated](#)
- [Value Balancing Alliance \(VBA\)](#)
- [VinylPlus](#)
- [World Business Council for Sustainable Development](#)
- [World Coatings Council](#)
- [World Fair Trade Organization \(WFTO\)](#)
- [World Federation of Engineering Organizations](#)
- [World Plastics Council](#)



# UNEP BIMG

UNEP Business and Industry Major Group

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