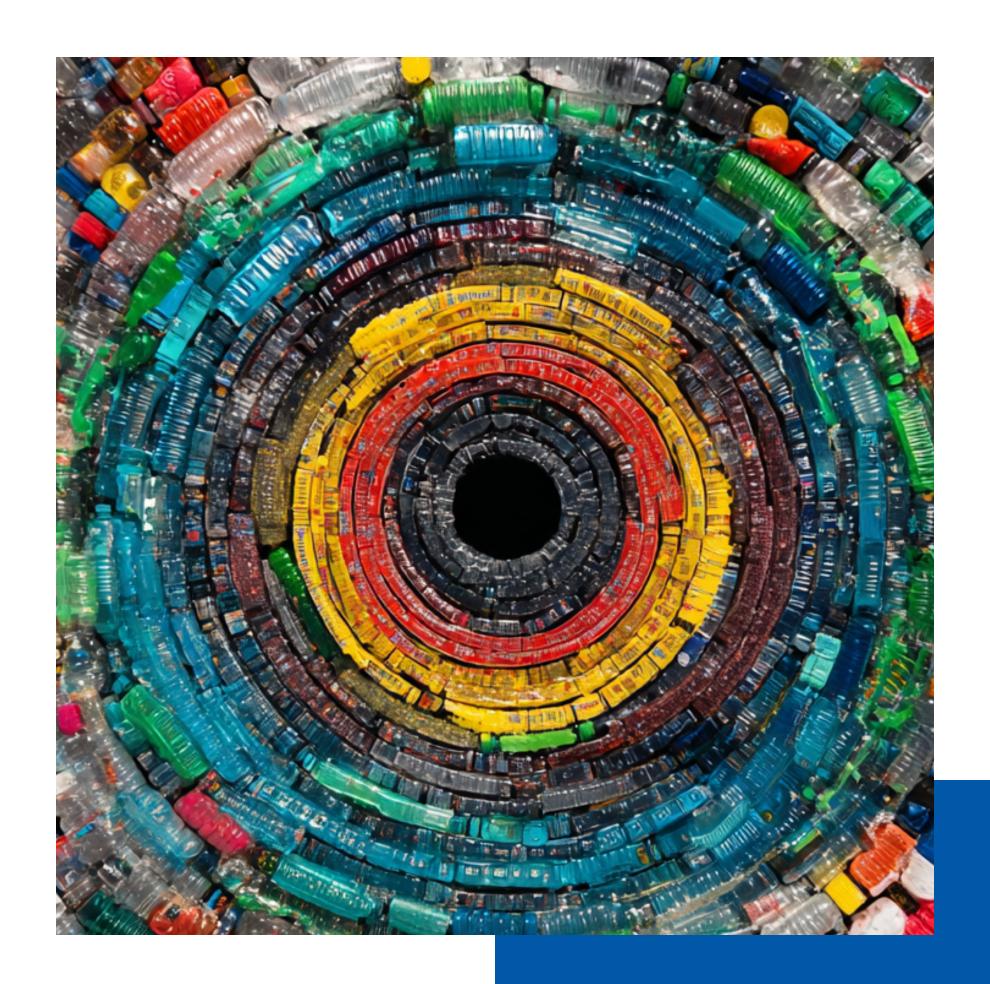
Plastics SA

Circular City Labs Textbook

A digital guide to building a sustainable circular economy through reusable plastics, innovation, and inclusive collaboration in South Africa.



Circular City Labs
Testing Reusable Packaging Systems in Cities

Implemented by









Introduction

This digital textbook contains consolidated training materials, based on the Accelerator programme training sessions that formed part of the *Circular City Labs:* 'Testing Reusable Packaging Systems' project.

The purpose of this textbook is to capture and consolidate lessons learned through the project's implementation to reach a wider audience along the circular economy value chain.







Project Background

The Circular City Labs: 'Testing Reusable Packaging Systems' project was commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ) and funded through the BMZ Initiative for Climate and Environmental Protection (IKU).

The project aimed to reduce greenhouse gas emissions through waste prevention, test reusable packaging systems, and strengthen women's participation in local circular economies.

Implemented by *GIZ* in partnership with *Plastics SA*, the project selected *Gcwalisa* as its pilot partner. In addition, three other businesses from the proposal pool were invited to join an accelerator programme designed to build their capacity in circular economy practices, reuse systems, and gender inclusion.



Piloting Partner

Gcwalisa, a grocery outlet in Alexandra township, Johannesburg, operates on a weigh-and-pay model that enables customers to buy only what they need, helping to reduce the 'poverty tax' often faced by low-income households unable to buy in bulk.

During the pilot phase, *Gcwalisa* introduced reusable plastic packaging fitted with QR barcodes to track return cycles, replacing single-use packaging and promoting circular economy practices. The initiative also created jobs for 4 women through reuse ambassadors who engaged customers and raised awareness; two of the women were retained after the pilot.

With an average return rate of 35%, the project demonstrated strong community participation and delivered both environmental and socio-economic benefits, successfully meeting its intended objectives.

www.gcwalisa.com





Accelerator Programme

The *ACEN* study on scaling packaging reuse models in South Africa highlighted key challenges faced by reuse initiatives, including limited access to financing, difficulties in adapting supply chains for reuse, and the absence of clear health and safety standards.

Recommended interventions included collaborative learning, innovative funding mechanisms, stronger supply chain partnerships, and the development of operating standards for reuse models.

In response, the accelerator programme, implemented by *GIZ* and *Plastics SA*, was designed to address these barriers by providing targeted training and mentorship to selected businesses such as *Gcwalisa*, *Shix Mineral Ice*, *Reusify*, and *Smartfill*, strengthening their capacity to implement and scale circular packaging solutions across South Africa.

Read more about the ACEN study.



Chapter 4 Marketing reuse solutions



Introduction

Oriol Segarra

Industrial engineer, passionate about the outdoors and the ocean, Oriol's passion led him to work for The Ocean Cleanup, where he discovered the circular economy.

In 2015 he travelled through Asia and Oceania and in 2017, returned to Barcelona to work in Circular Economy as a Consultant.

In 2019 he founded Bumerang, the first Digital Reusable Packaging System for takeaway food and drinks. As CEO, Oriol leads a team of seven, serving 250+ clients in Spain and with +1.250.000 single use items prevented from going to the Ocean.

This chapter is about the learnings, strategies and tactics used to market and sell Bumerang over the past 5 years.



Marketing Reuse

Oriol Segarra - CEO & Founder

Bunerang

Intro to Bumerang



A global Problem

60,75 Milions

kg of waste per year is generated in Europe from takeaway food.

3.000 cups

single-use items are thrown away in Spain in just one minute.



Bumerang makes new circular ways of consumption possible.

+250 clients.
+30 tonnes of waste avoided.



Since 2020, we have created technology and services that help thousands of people daily to consume without creating waste.

Ensa equipos nucleares

2.700 envases evitados solo en el primer mes, equivalente a 81kg.



Vall Hebron

8.000 envases evitados solo en el primer mes, equivalente a 240kg.



Atresmedia

2.600 envases evitados solo en el primer mes, equivalente a 78kg.



1.300 envases evitados solo en el primer mes, equivalente a 39kg.

Líderes en colectividades de España

Services



Bumerang Smart

The container reuse system for communities and HoReCa 360°.

It allows you to order, manage, and return containers easily.

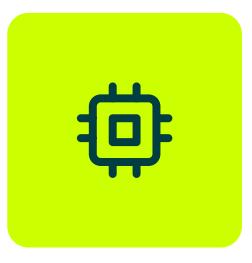
Thanks to the Tap service, you can also manage containers without needing to ask your users to download the app.



Quick and easy operation



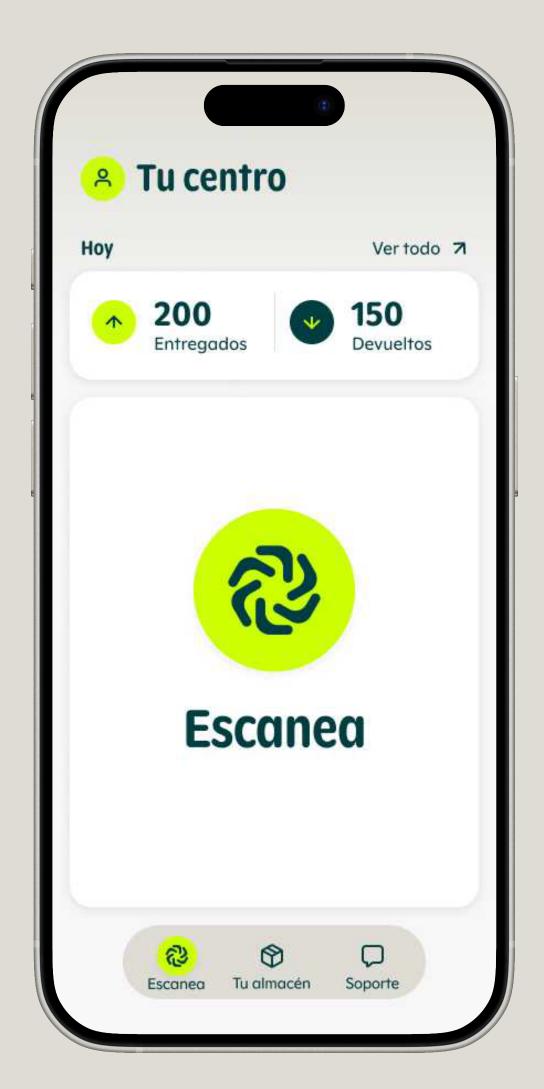
Impact metrics and reports



Technology



Containers









Bumerang Return

Bumerang Return helps you manage the return of containers in any environment.



Quick and easy operation



Integration
with your
current system



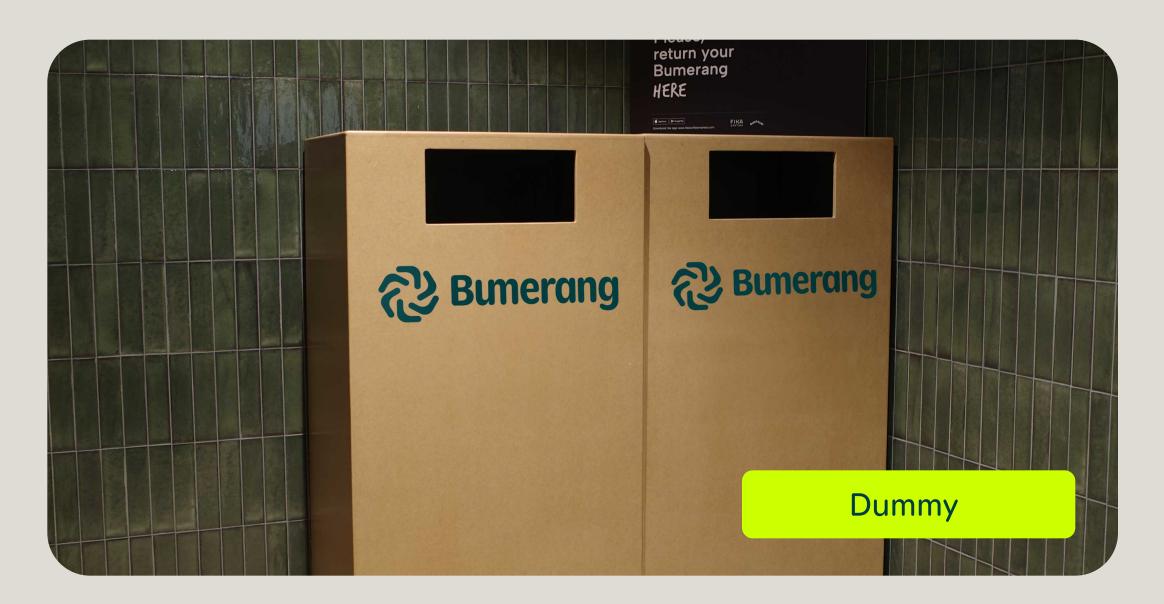
Reduce costs



Total control

Returning has never been easier.

- **Dummy Model:** simple, costeffective and functional.
- Smart Models: with automatic QR reading for a seamless and autonomous experience.





Packaging Portfolio

Bowls

√ +200 uses

✓ Ergonomic

/ Microwavable

Brandable

✓ BPA free





Cups

Bockatech Tech

✓ Ergonomic

/ Microwable

/ +125 uses

✓ BPA free

✓ Brandable







Impact



Communicate your impact with Data

Both the Bumerang app and partner portal provide real-time access to key metrics on environmental impact and the operations of your centres.

- Visualisation of metrics by centre.
- Custom reports on avoided waste (extra cost).
- Centralised management of operations (coming soon).



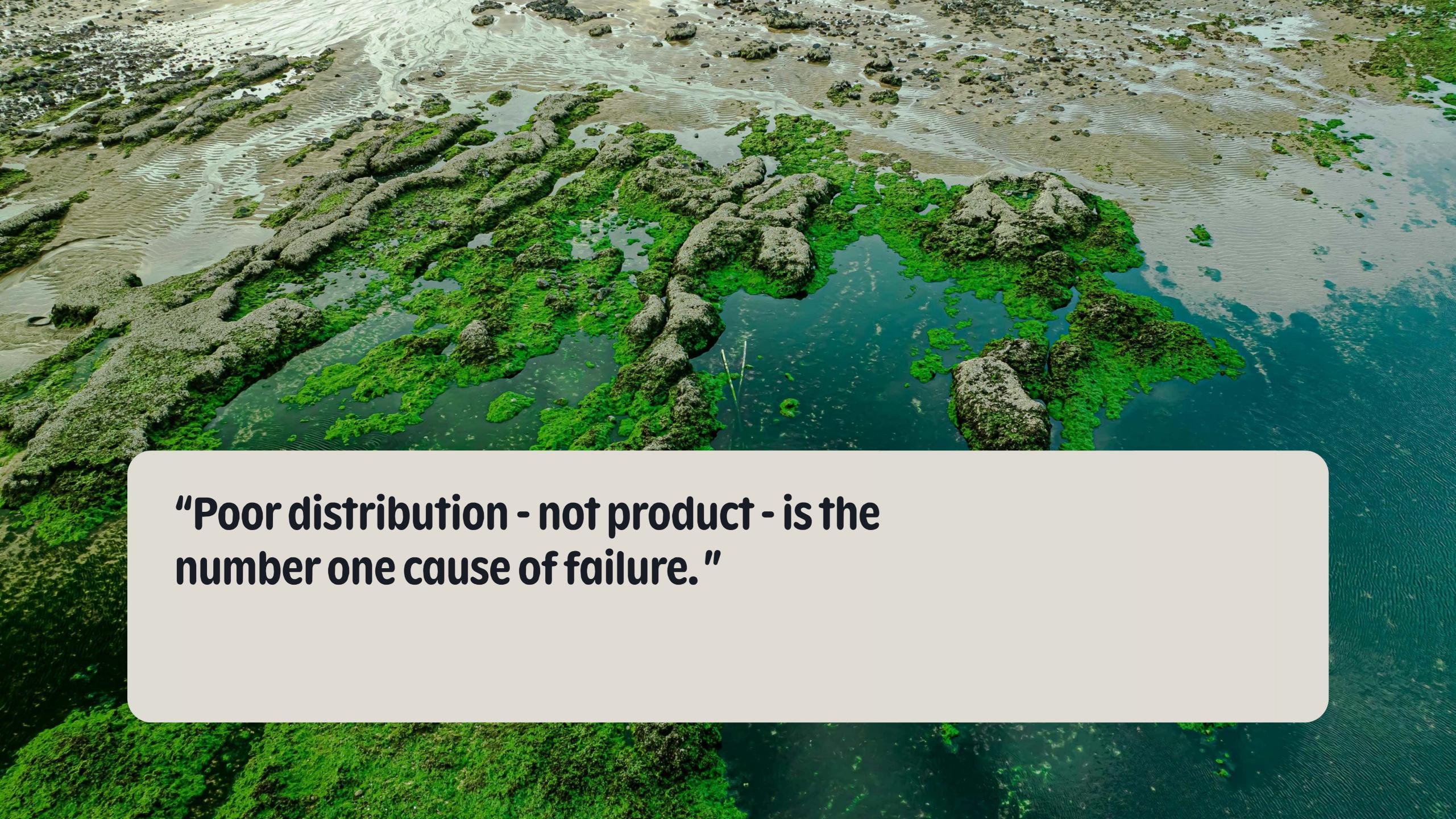
Hola de nuevo

Visualiza la actividad y evolución de Bumerang en tu colectividad



41.00.00.00

Marketing Strategy



The Bullseye Framework Overview

A Systematic approach to finding the most effective marketing channels for your startup

Developed by Gabriel Weinberg and Justin Mares in their book Traction: A Startup Guide to Getting Customers.

The Bullseye Framework For finding the best traction channels 1) Read Traction by Gabriel Weinberg & Justin Mares 2) Select your top 3 & write them in the center 3) Write your next 6 in the middle layer 4) Cross out the ones you've used Affiliate Marketing 5) Redo after testing Off-line Ads Email Marketing **Existing Platforms** Public Relations (PR) Offline Events Unconventional PR Search Engine Search Engine Engineering as Social and Display Marketing **Business Development** Speaking Engagements Trade Shows **Target Market Blogs** Content Marketing Sales Viral Marketin Community Building This page designed by Deven Nemer - Founder of Power Portal Method and content created by Gabriel Weinberg - Founder & A Smarter Web Browser that could save you 4 hours per week CEO of DuckDuckGo, Co-author of Traction & Angel Investor or more by helping you do more in less clicks.

19 Marketing Channels to Test

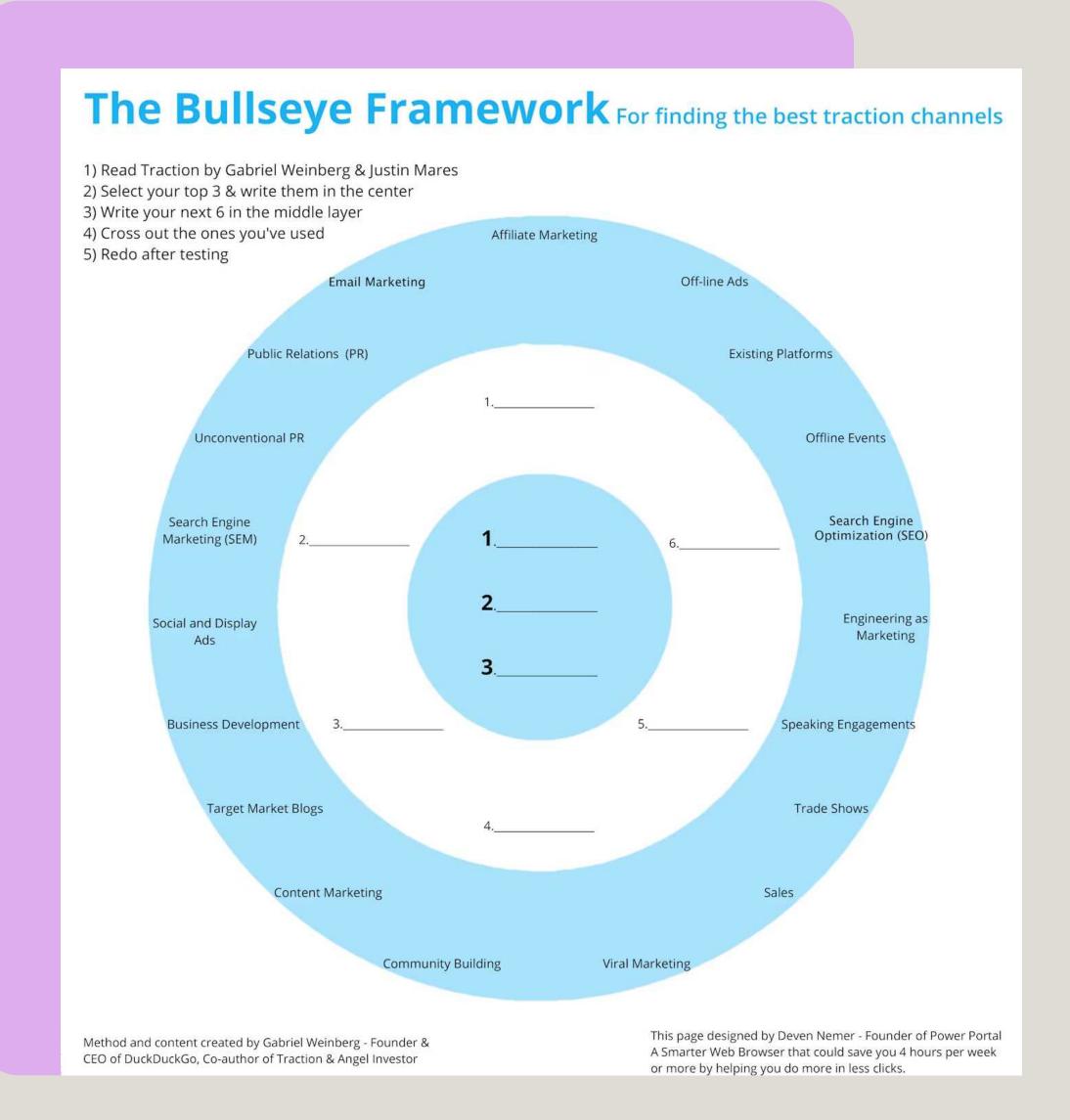
- O Viral Marketing
- Public Relations
- O Unconvenient PR
- SEM
- O Social & Display Ads
- Offline Ads
- O SEO
- Content Marketing
- Email Marketing

- Engineering as Marketing
- Target Market "Blogs"
- Business Development
- Sales
- Affiliate Programms
- Existing Platforms
- O Trade Shows
- Offline Events
- Speaking
- Community Building

Exercise: Build your current Bullseye

- 1. Viral Marketing Growth through word-of-mouth and user-driven sharing.
- 2. Public Relations (PR) Gaining media coverage to build credibility and awareness.
- 3. Unconventional PR Stunts or unique actions that generate media attention.
- 4. Search Engine Marketing (SEM) Paid ads on search engines like Google Ads.
- 5. Social and Display Ads Paid ads on social platforms (e.g., Facebook, Instagram, LinkedIn).
- 6. Offline Ads Traditional ads like billboards, radio, TV, and print.
- 7. Search Engine Optimization (SEO) Organic traffic through content optimization.
- 8. Content Marketing Creating valuable content to attract and engage customers.
- 9. Email Marketing Building and nurturing a subscriber base.

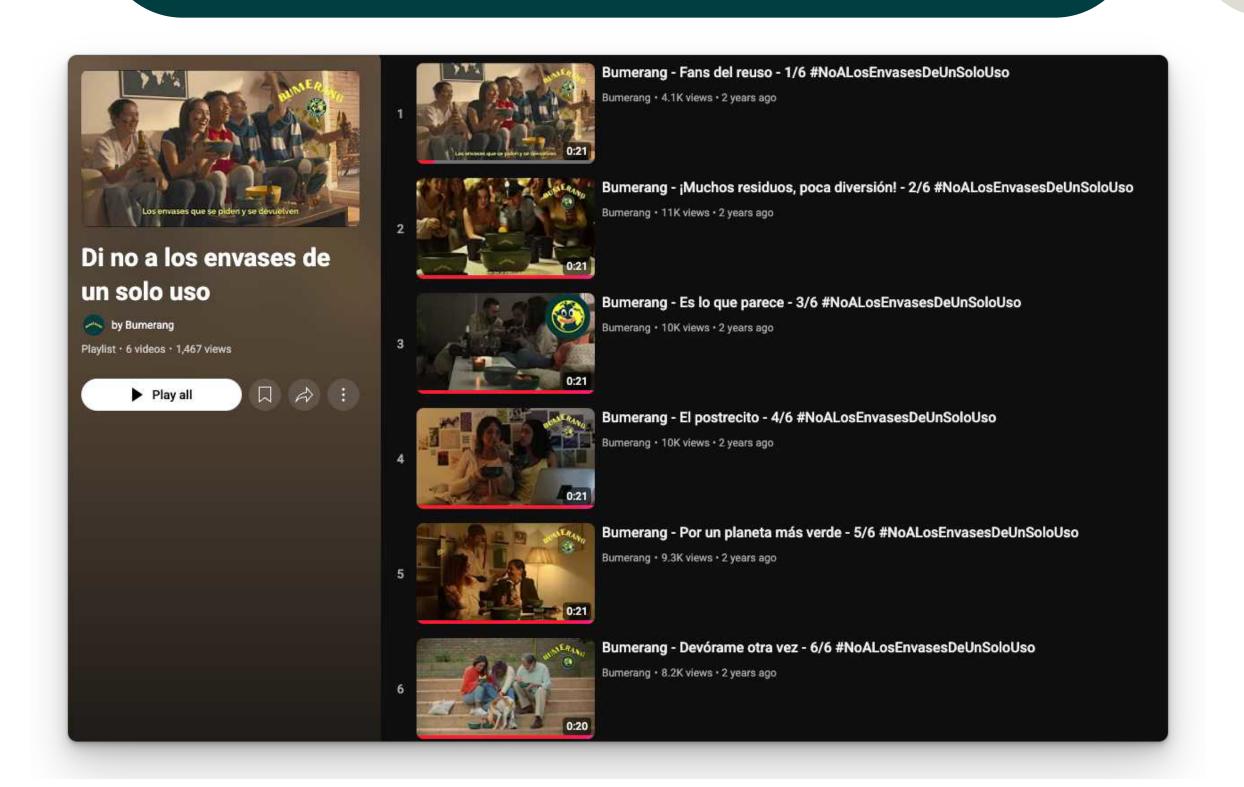
- 10. Engineering as Marketing Using tools, calculators, or software to attract leads.
- 11. Target Market Blogs Guest posts and collaborations with niche blogs.
- 12. Business Development (BD) Forming strategic partnerships to grow reach.
- 13. Sales Direct, personalized outreach to potential customers.
- 14. Affiliate Programs Creating a network of partners to promote your product.
- 15. Existing Platforms Leveraging established platforms (e.g., Amazon, App Store).
- 16. Trade Shows Networking and brand exposure at industry events.
- 17. Offline Events Hosting or participating in local meetups, conferences, or festivals.
- 18. Speaking Engagements Presenting at conferences or events to build authority.
- 19. Community Building Creating loyal user communities around your brand.



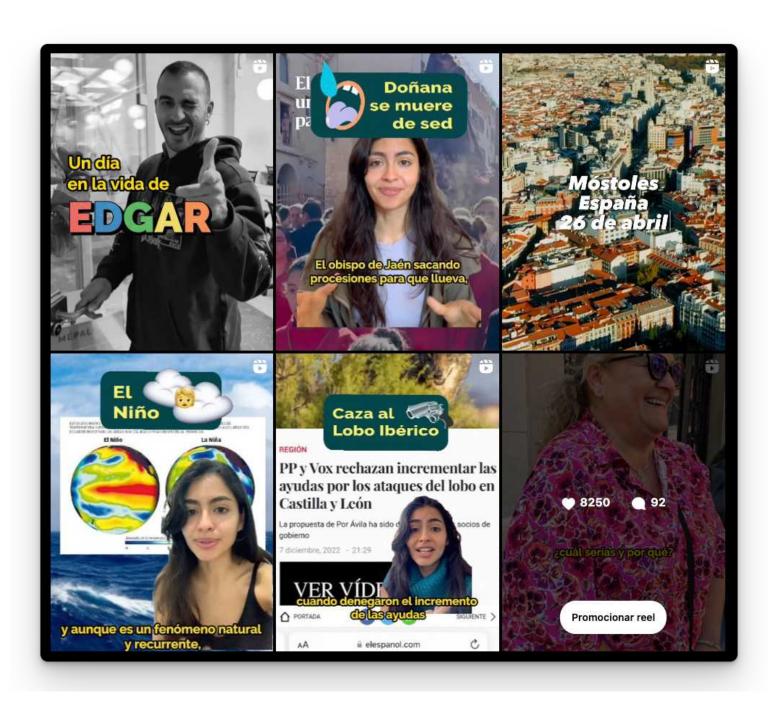
What worked for us



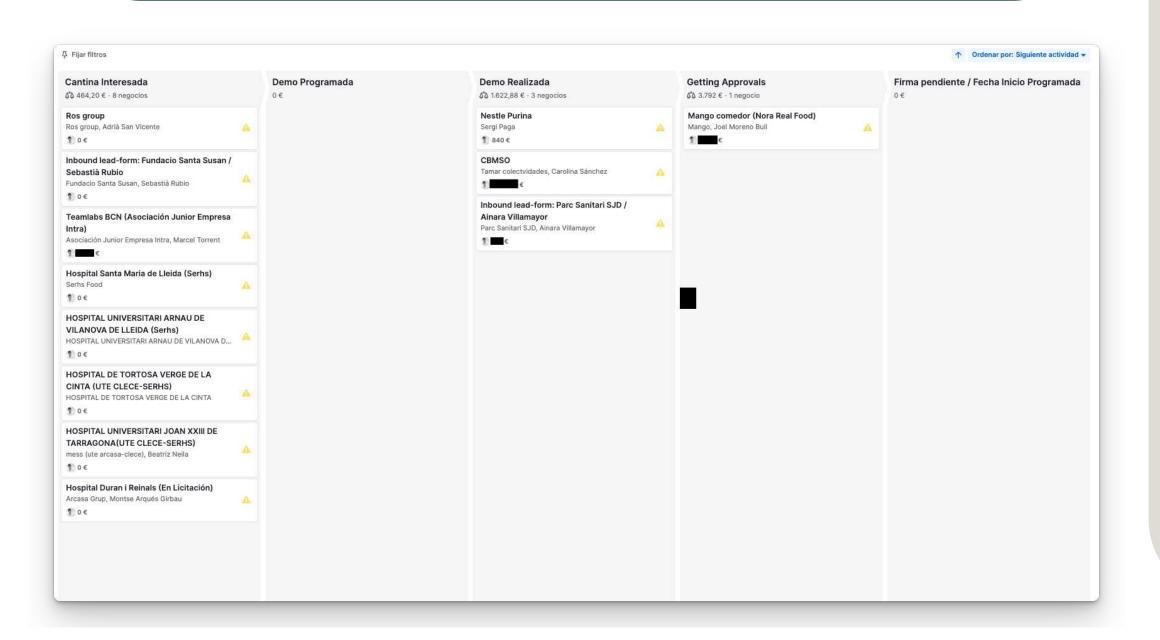
Content Marketing & Branding



- Branding is really important
- Long term investment
- Specially good for B2C
- Good for raising money
- Content with real people



Outbound Sales



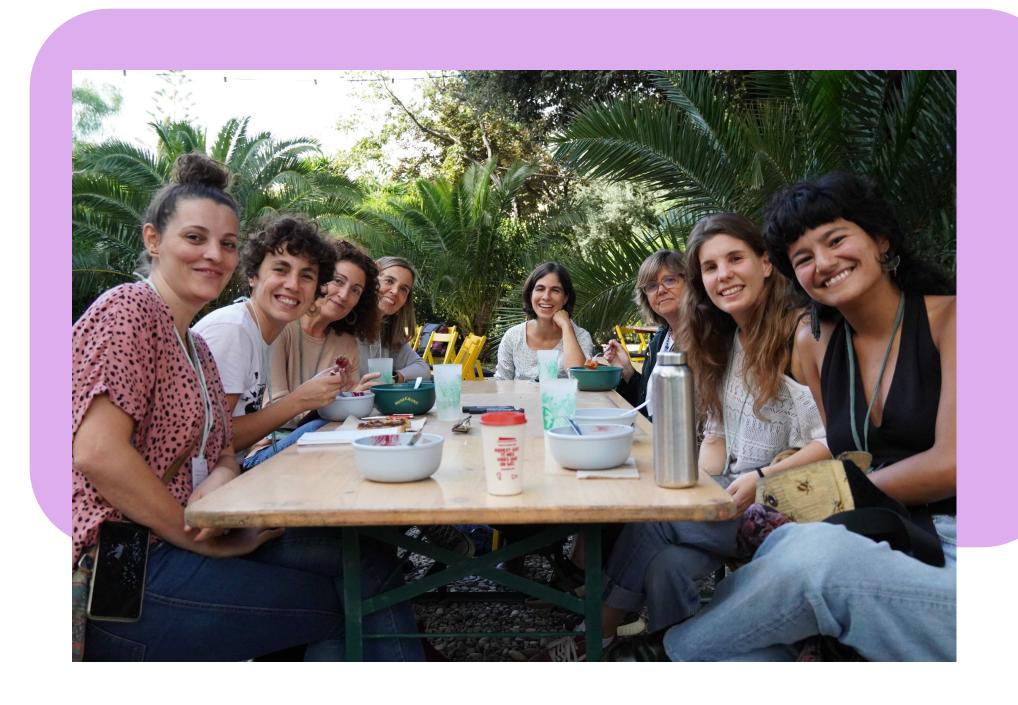
- Get a CRM ASAP
- If you sell to local businesses use
 Google Maps & Tripadvisor
 Scrapers
- Create a sales process
- Define very well your ICP
- If email is an option, use Apollo to find emails and personalize outreach campaigns with Al

Trade Shows



- We sell packaging systems, people want to touch them
- Suppliers trade shows are good too
- Very good as well to make business development
- Very good to meet people unaccessible otherwise, specially in traditional industries

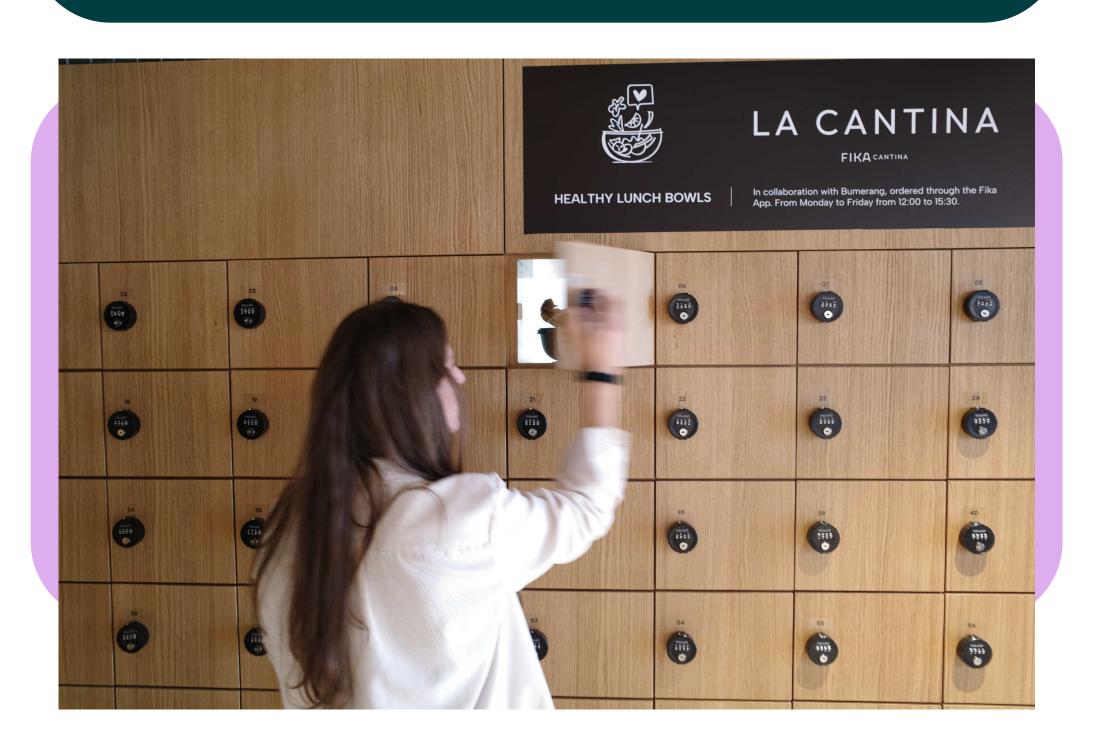
Offline Events



- Sponsoring and supporting local events helped us gain visibility
- Select events where your ICP might be or for good networking
- Create a "free" kit for event organizers



Business Development



- Tech or sales partnerships are great. We partnered with a food ordering app to enter cantines with a co-created solution
- Reuse is a circular economy topic,
 try to get grants or subsidies
- Join or create an association for reusable packaging businesses

extra: Reuse Associations & Lobbying



- Policy plays a big role in Reuse
- Join or create a local or region wide association if it doesn't exist
- Lobbying is part of the game here
- Together we are stronger

Bad Channels

Social & Display Ads

- Our app was very local and intentioned
- Society not aware of these solutions
- Just drove people with interest but no buy intention or ICP

Viral Marketing & Unconventional PR



- Guerrilla Marketing tried, lots of noise, 0 results.
- Society not aware of these solutions
- Just drove people with interest but no buy intention or ICP





PR

EMPRESA



Oriol Segarra y Luis de Tord son los fundadores de este proyecto empresarial

ECONOMÍA CIRCULAR Propuesta innovadora

La guía tecnológica que impulsa el reciclaje de envases

A través de soluciones QR y NFC, la startup Bumerang crea códigos para cada recipiente que permiten su seguimiento desde la recogida hasta su devolución

ROBERTA SEBASTIANI dejar un depósito. En caso

empresa fue fundada en 2020, durante ese año y 2021 Bumerang se centró en crear un producto para el mercado de la restauración de pie de calle; sin embargo, «el producto tenía buena aceptación por parte de los restaurantes, pero no sus

Menjar per emportar en envàs reutilitzable

Bûmerang té com a raó de ser evitar la generació de residus perquè no acabin en mars i

Quan va començar a practicar surf, la connexió amb el mar va ser instantània, explica Oriol Segarra. Aquesta connexió, unida a "la seva vena emprenedora", han portat Segarra a col·laborar i a impulsar projectes encaminats a combatre un dels grans problemes d'aquests entorns: la contaminació per plàstics. L'última d'aquestes iniciatives és Bûmerang, una start-up que ofereix envasos reutilitzables en el menjar per em-

El primer dels envasos va veure la llum l'octubre del 2019, i el naixement de l'empresa va arribar un mes abans de l'inici de la pandèmia per Covid-19, el març del 2020. Segarra va començar treballant amb tres restaurants, però de seguida es va unir a una companyia de câtering que servia menjar als treballadors de sis oficines. "Aconseguiem evitar entre 200 i 300 envasos de plàstic diaris, i aquesta era la meva motivació principal", explica l'emprenedor. Amb el teletreball, però, el negoci se'n va anar en orris, fins que va arribar el boom del take away, amb el tancament actual de restaurants i bars.

En l'actualitat Bûmerang ofereix els seus envasos reutilitzables a 16 restaurants de Barcelona, que paguen una subscripció mensual o anual. El funciona-



proporciona els seus envasos als restaurants perquè lliurin el menjar als clients. Aquests últims es comprometen a tornar l'envàs en qualsevol dels 16 establiments amb què treballa Bümerang en un termini màxim de 15 dies. El restaurant receptor s'ocupa de rentar-lo perquè es pugui tornar a utilitzar. Facturen uns 5,000 euros mensuals, però la xifra realment important per al fundador és que a l'octubre van evitar la generació de 670 envasos d'un sol ús.

Impact Hub Barcelona i un equip de vuit persones entre autònoms i persones en pràctiques, Bûmerang ha aconseguit aixecar 166.000 euros en inversió: 10.000 euros procedents de recursos propis, 88.0000 euros en una ronda d'inversió tancada en ple confinament i 68.000 euros d'un crédit Enisa.

Més enllà d'arribar a més restaurants, a mitjà termini l'empresari es vol obrir a nous àmbits de l'envasament. La "nostra lluita és contra el consum d'un sol ús", assenyala.



- Good for getting noticed, 0 sales results
- Get a PR firm to put you in the best outlets, thanks to AI they are cheap now
- Good for announcing stuff
- Good to do it before raising money

Existing Platforms (Glovo)

- Plugging into Delivery is the hardest thing for Reuse
- Asymetrical interests
- Depending on big players and their decisions
- Long time decision making

Thank you

Oriol Segarra Pol

oriol@youbumerang.com

https://www.linkedin.com/in/oriolsegarra/



Plastics SA

www.plasticsinfo.co.za