



Community CONNECT

AI for Systemic Climate Action

We're starting soon...

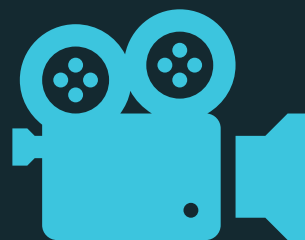
04/09/2025



This action is supported by the European
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The event is being recorded



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Agenda

1. Welcome & Community Updates
2. Revolutionising learning for climate with AI
With Learning Planet Institute
3. Harnessing AI to catalyse collective action for marine plastic pollution
With Recycllux
4. Group networking session
5. Collective insights & Closing





SEPTEMBER – OCTOBER 2025

Calendar of activities



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COMMUNITY COLAB

Beyond the legacy of Deep Demonstration Slovenia

Join us to share knowledge, insights and challenges working with circularity and collaborate with us as we will seek new business opportunities and discuss the future path of circularity in Slovenia and beyond.

- Part of the **Circular Economy Hotspot 2025**
- Thursday 11 September 2025, 14:30 – 17:40 CET

Register today:





Community CoLabs

In our CoLabs, we engage public and private stakeholders cross value chain in our effort to connect climate demand with innovative business solutions and opportunities.



**Beyond the legacy
of Deep
Demonstration
Slovenia**

Thursday 11 September
Ljubljana, Slovenia



**Accelerating blue &
green economy in
Europe's coastal
communities**

Thursday 2 October
Cagliari, Italy



**Community-led
housing &
sustainable
transitions: The
case of Barcelona**

Friday 10 October
Barcelona, Spain



**Advancing green
public-private
partnerships: The
case of Poland &
beyond**

Tuesday 22 October
Warsaw, Poland





COMMUNITY DEEP DIVE

Beyond ESG. Building agile, resilient organisations for the next industrial era

Join us as we discover approaches and tools to adapt, innovate and lead the sustainable transformation in your organisation.

- Tuesday 23 September 2025, 15:00 – 17:00 CET
- Case studies & group working exercises

Register today:





COMMUNITY MOMENTS

Meet us at Global Events

Circular Economy Hubspot (Ljubljana)

Impact Week (Singapore)

Global Startup Expo (Osaka)

ClimaTech Connect Demo Day (Valencia)

COP30 Brazil

EIT Alumni Connect (Bruxelles)





OPPORTUNITY

FREE Impact Measurement for AI x Climate Start-Ups

- For startups based in Ireland and UK
- 11 startups and 9 ESOs
- In partnership with Salesforce as part of the programme: Nurturing Entrepreneurship Support Organisations and Start-ups for AI-driven Climate Action

Only 1 day left to apply!



A group of people are gathered around a campfire in a forest at night. The fire is bright and warm, illuminating the scene. The people are sitting on logs and stumps, some wearing hooded sweatshirts. The background is filled with tall trees and a dark sky. The overall atmosphere is cozy and communal.

Today's challenges presents unique business opportunities

We are building a new network of **Thoughtful & Committed** organisations for a future fit Europe & beyond!



Revolutionising learning for climate with AI



François Taddei
President
Learning Planet Institute





Harnessing AI to catalyse collective action for marine pollution



Sorina Uleia
Co-Founder & CEO
Recycllux



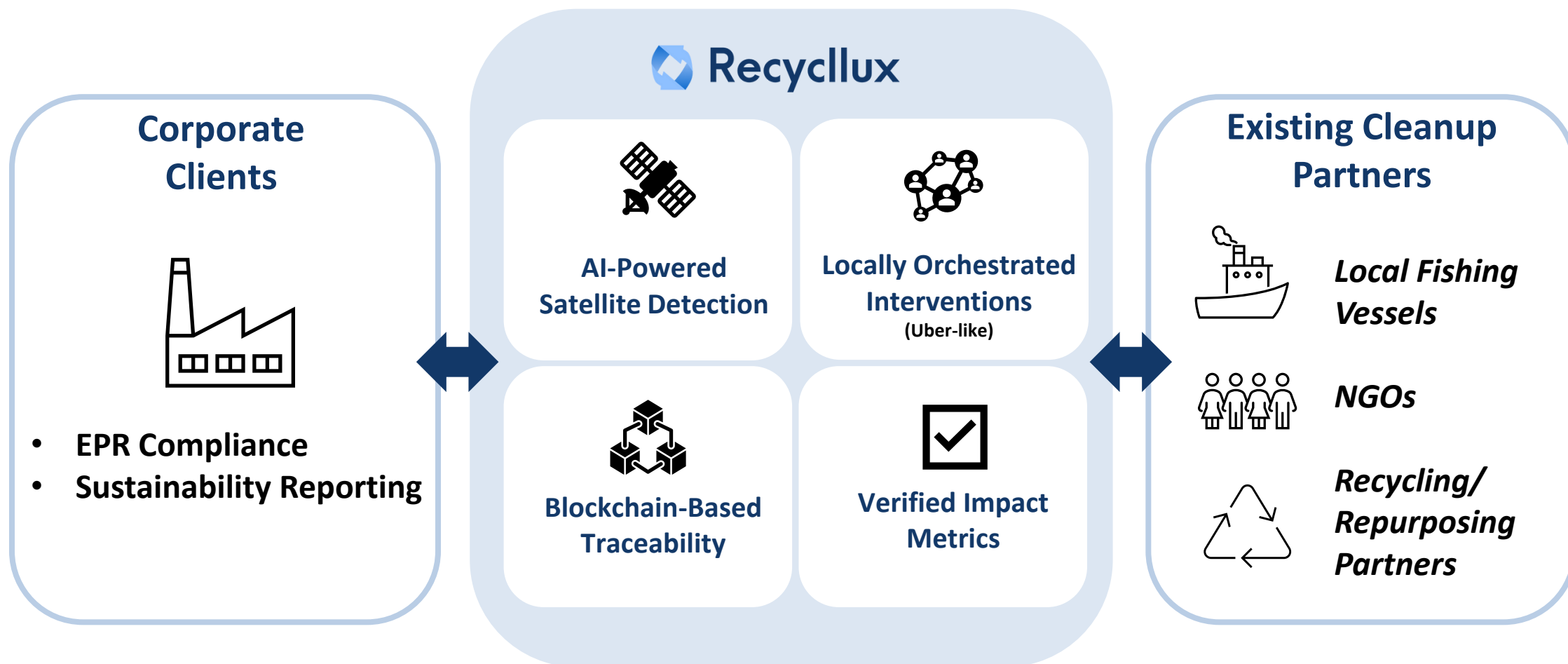
The Challenge

12 million tons /year MARINE PLASTIC LEAKAGE

- ✗ **NO scalable method** for marine cleanup
- ✗ **NO traceable plastic offset** solutions for EPR compliance, plastic neutrality, and sustainability reporting
- ✗ **Multi-million € fines** for non-compliance
- ✗ **Consumer distrust and reputational damage** for unverified or “greenwashed” claims



Turning Compliance into Action



Marine Plastic Cleanup-as-a-Service

Detection

- AI-powered monitoring of marine plastic spots
- Satellite EO & in-situ validation
- On-demand detection reports

Intervention





- Decentralized operations → empowering local fishermen, NGOs, and recyclers
- Uber-like logic via our portal
- Blockchain-based traceability

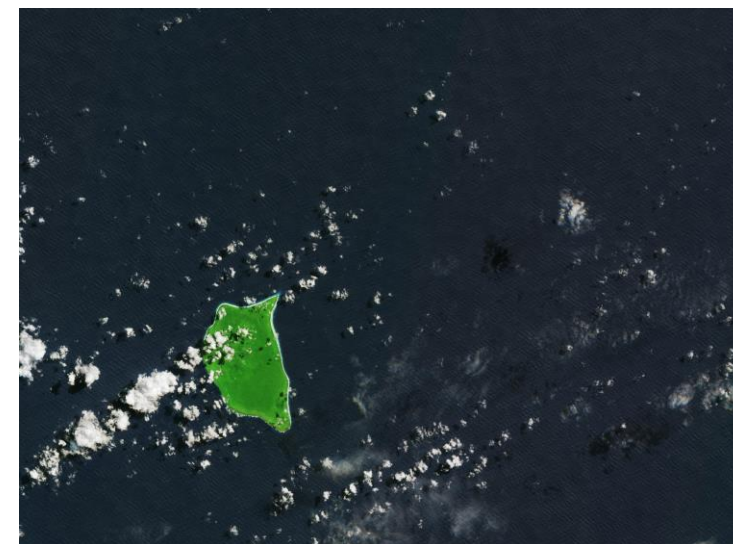
Impact Reporting

- Visual dashboards to showcase performance
- Custom sustainability / ESG reports
- Ocean bound plastic offset credits



The Case for Satellite Detection

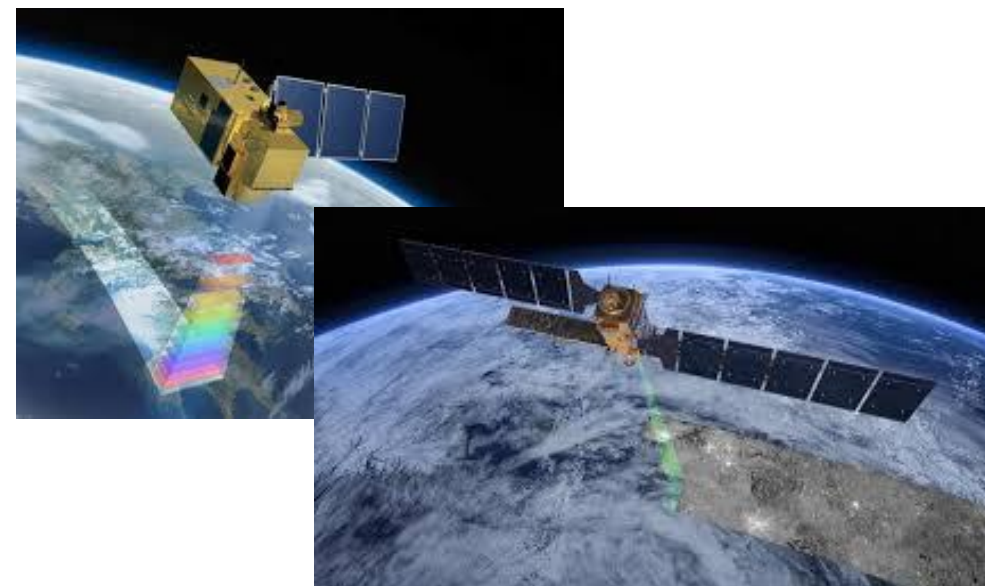
-  **12M tons plastic** leak into oceans each year
-  Only **1% floats** where satellites can see it
-  Satellites detect **large plastic accumulations (>5mm)**
-  **Cost-effective monitoring** of vast, remote ocean areas



How We Detect Plastic

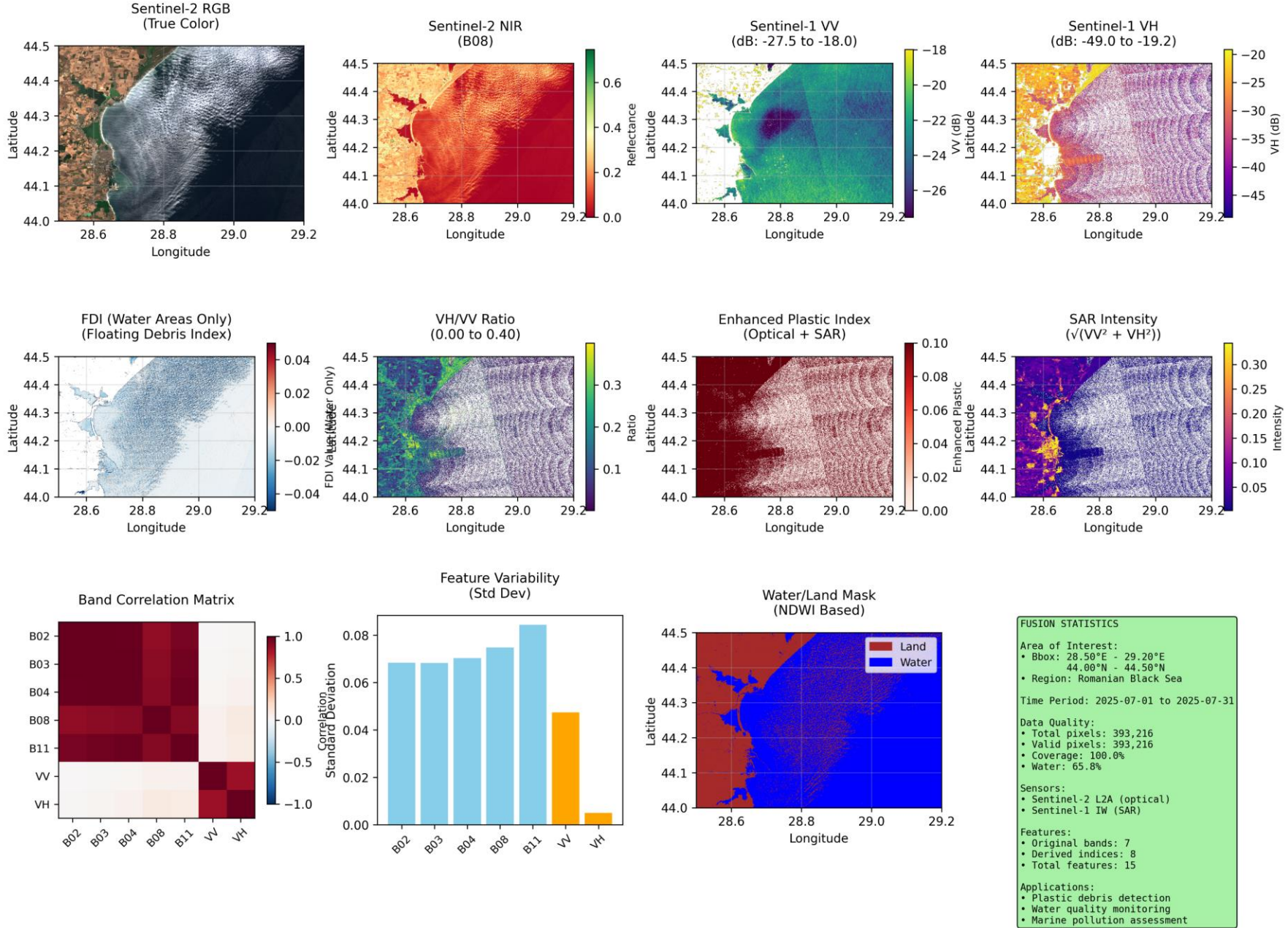
Sentinel-2 (Optical): measures sunlight in 13 bands
→ plastics reflect strongly in NIR & SWIR

Sentinel-1 (Radar): detects surface roughness
→ floating debris shows as bright spots



Fusion: cross-check optical & radar signals → fewer false positives, higher accuracy

Sentinel-1 SAR + Sentinel-2 Optical Data Fusion
Romanian Black Sea Coast



Traction

Confirmed technology and product-market alignment



Competitive Analysis

Holistic approach

End-to-end solution - from detection and collection to recycling and impact reporting

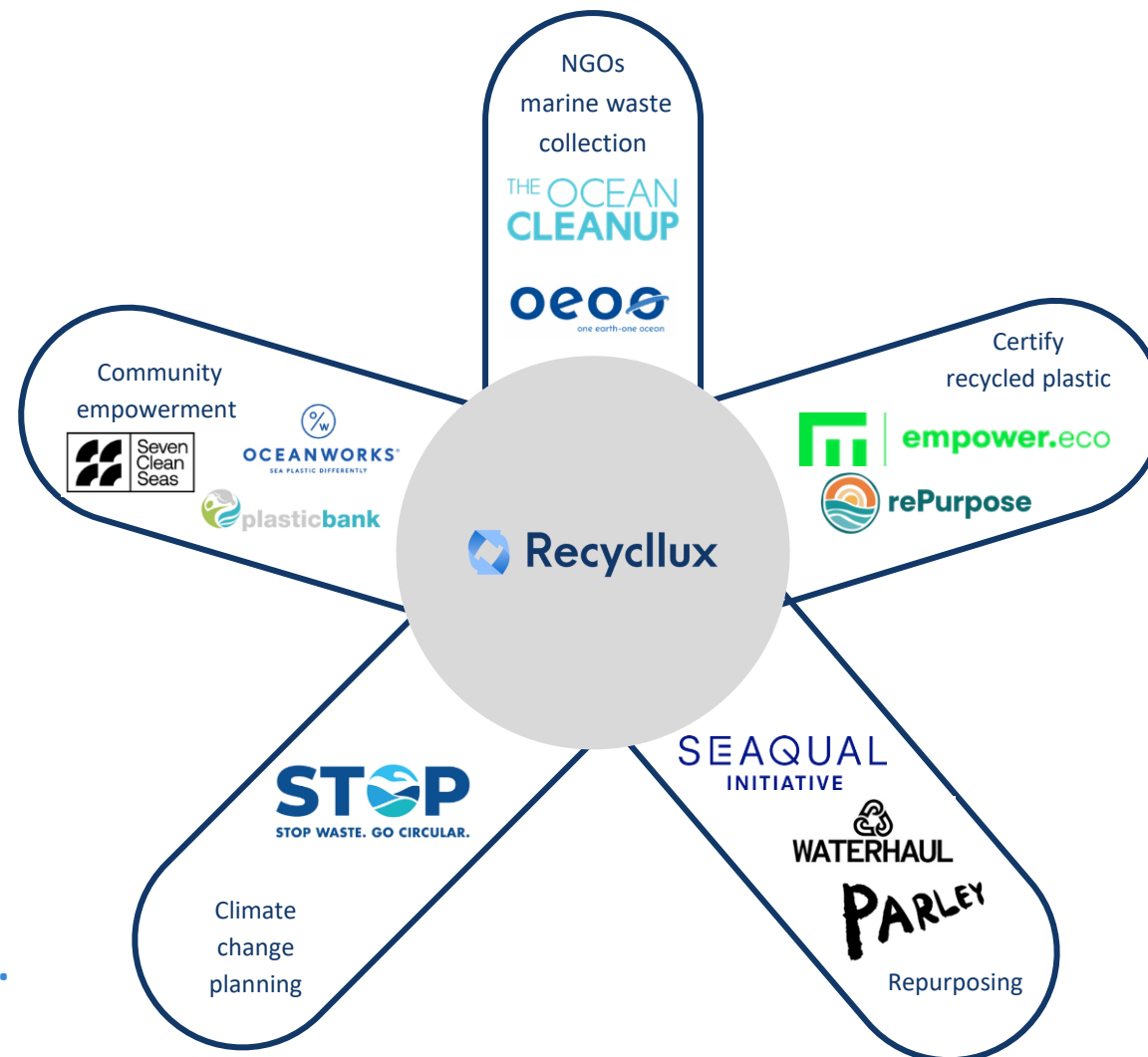
Real-time data driven

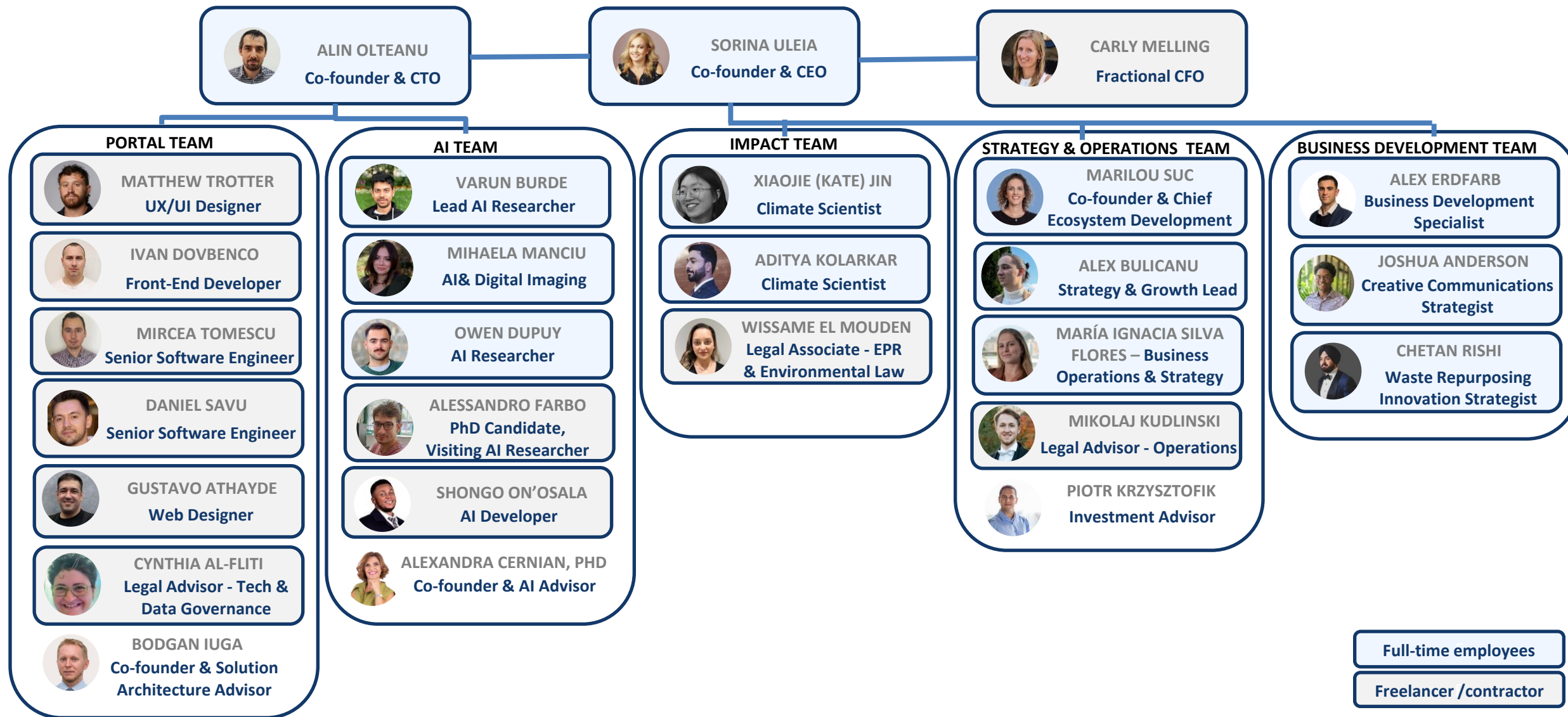
EO AI to automatically identify plastic litter spots

Transparency and trust

Blockchain trusted traceability (full chain of custody)

We don't replace other players - we empower them!
They can work smarter, faster, and deliver measurable results.





Market Size



TAM

€ 85 Billion

Globally /year

SAM

€ 2.6 Billion

in Europe /year

SOM

€260 Million

Impact Roadmap

2025 Romanian Black Sea



1 ton | 40 tons | 1 school | 15–20 students (waste-to-art)

2026 Mediterranean



€150K | 15 tons | 600 tons

2027 Mediterranean



€690K | 55 tons | 2,200 tons | 100+ | 4 schools | 80–100 students



300,000–500,000 coastal residents

2028 Rest of Europe



€2.9M | 230 tons | 9,200 tons

2029 Southeast Asia



€9 M | 785 tons | 31,400 tons

2030 Global Expansion



€20.5M | 1800 tons | 72,000 tons

2031



€55M | 5,000 tons | 200,000 tons | 5,000+ | 1,000+ students | 5+ million people

Let's turn compliance into real climate action!

Sorina ULEIA, CEO

Email:

sorina@recycllux.com

Website

www.recycllux.com



Group Networking Session

Start by introducing yourself, your work and/or organisation.

Turn your camera on.

1. How do you use AI in your work and/or organisation, and how do you wish to expand it?
2. Share use cases or examples of AI for climate that you believe are transformative.
3. Do you believe AI will make us good ancestors?





Thank you!

SCAN THE QR CODE
TO OPEN THE FEEDBACK SURVEY

NEXT COMMUNITY CONNECT ON 15
OCTOBER



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