



BIONERG

BIOCHAR

The **C-Go**® System Method

SUPPORTED BY



Innovate
UK

INTRODUCTION & VISION

Bionerg - The C-Go System Method
Empowering Transparent Carbon Removal for Regenerative Impact

We aim to revolutionize carbon removal by integrating decentralized biochar production with blockchain-enabled transparency. Our approach not only addresses climate change by restoring soils but also creates off-grid job opportunities in underserved regions.

- **Transparent Impact:** Utilizing blockchain to guarantee data integrity and traceability for every ton of carbon removed.
- **Dual-Scale Operations:** Deploying both small-scale units for local, community-driven impact and larger, industrial-grade units for consistent output near waste sources.
- **Scalable and Resilient Model:** Combining proven technology with robust risk assessments, ensuring rapid scalability and reliable performance.



THE PROBLEM & MARKET OPPORTUNITY



ENVIRONMENT DEGRADATION

Traditional carbon removal methods and soil restoration techniques are inefficient, lacking transparency and scalability. Degraded soils and inconsistent processes contribute to reduced ecosystem resilience.



MARKET GAPS

Current solutions fail to integrate data-driven quality control, risk assessments, and traceability, leaving both local communities and global markets underserved.



NON-TECHNICAL CHALLENGES

Inadequate systems for assessing non-technical risks (e.g., operational, regulatory) often result in unreliable outcomes, complicating public sector tender processes and investor confidence.



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MARKET OPPORTUNITY

- Growing Demand for Sustainable Solutions:

With global pressure to achieve net-zero targets, industries and governments are actively seeking scalable, transparent solutions for carbon removal and soil regeneration.

- Economic and Social Impact:

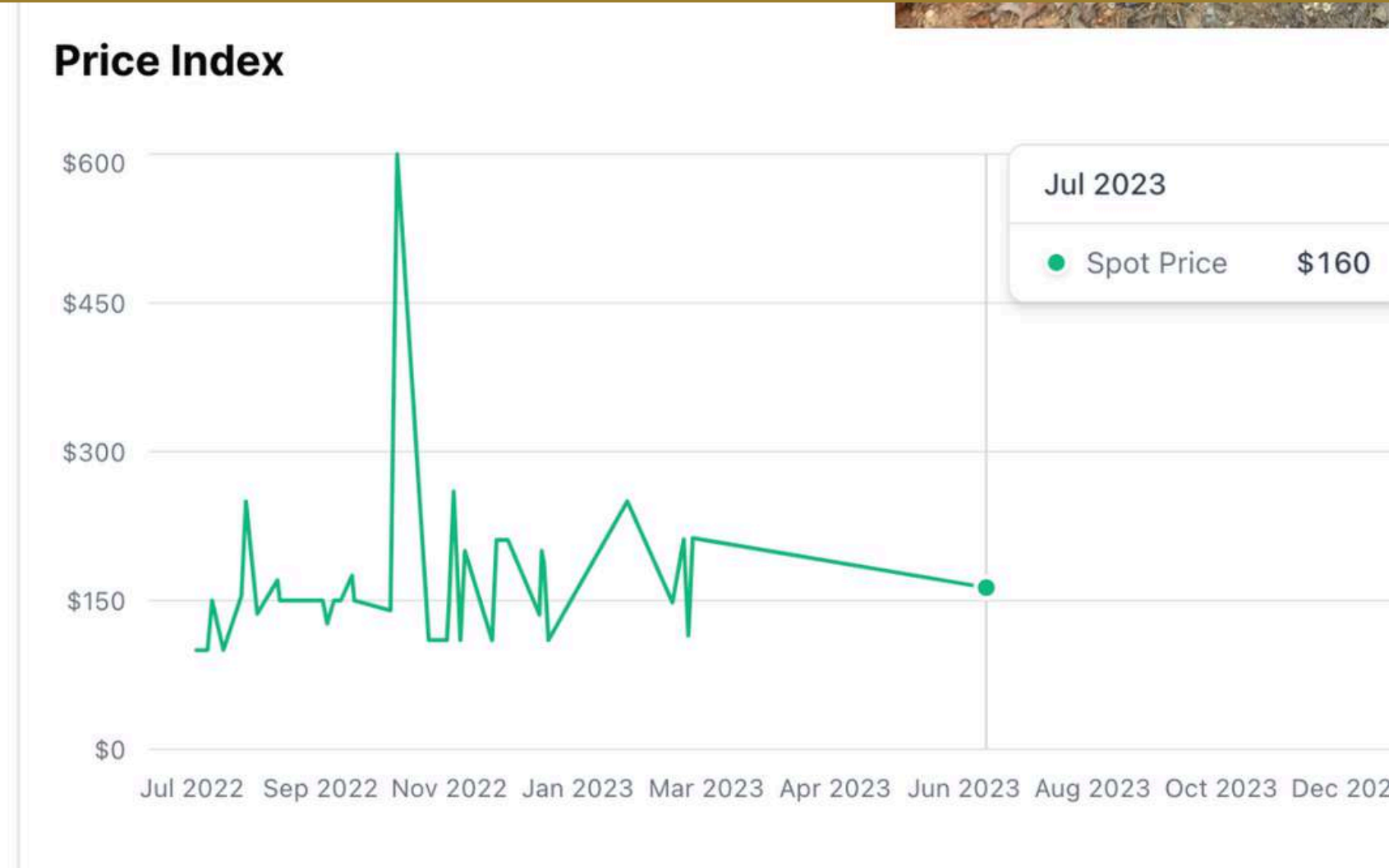
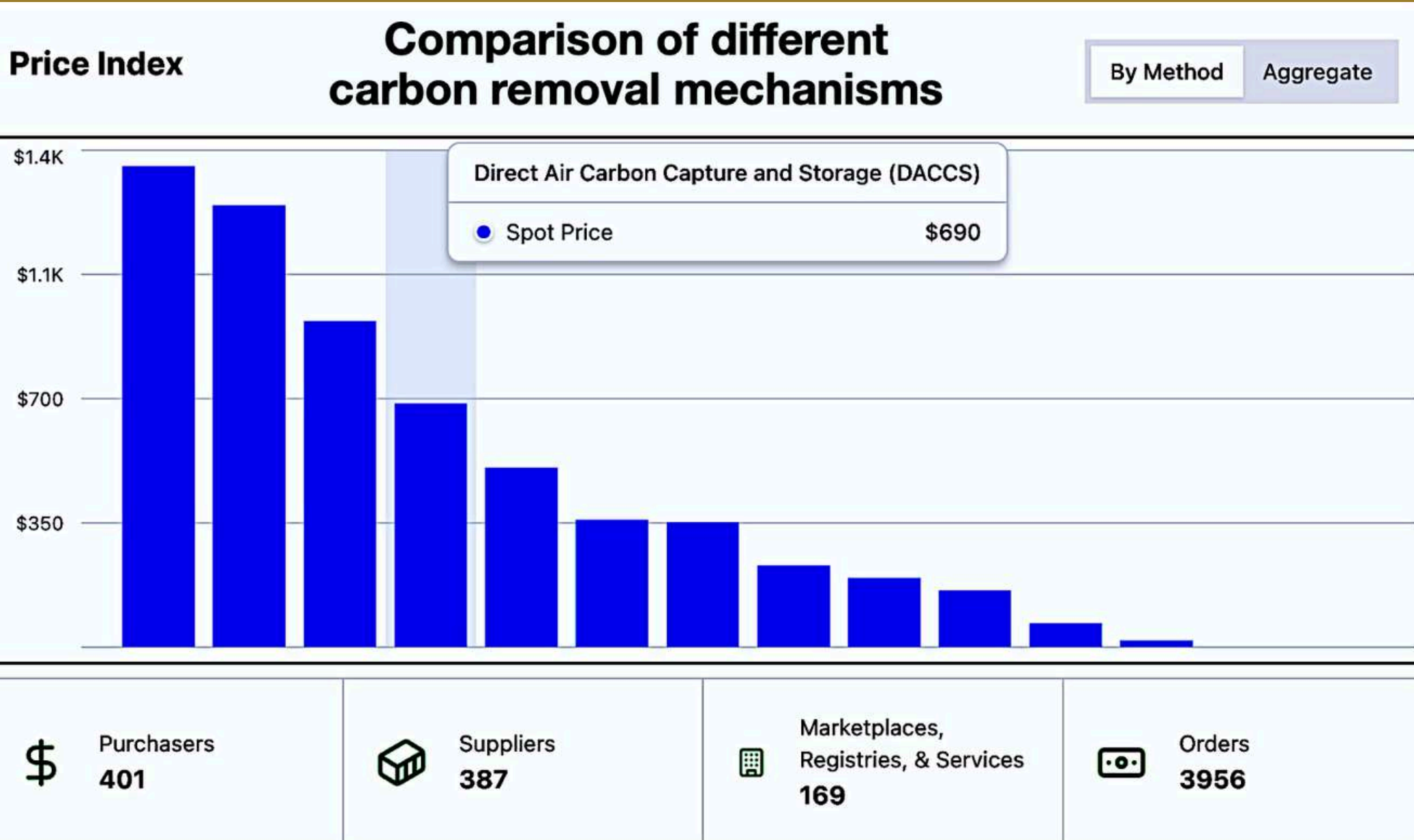
Your approach creates off-grid jobs and boosts local economies while addressing environmental degradation, offering a dual-impact investment proposition.

- Data Platform & Transparency Needs:

A robust, blockchain-powered data platform can fill the market void, enhancing credibility for local government tenders and large-scale partnerships (e.g., sustainable aviation fuel initiatives).



MEASUREMENT ACCURACY OF DACCS THE PRICE GAP CLOSES



OUR SOLUTION & TECHNOLOGY

- Decentralised Biochar Production:

We deploy two operational scales: small, community-based units that create off-grid job opportunities, and larger, industrial-grade units near waste sources that produce consistent, high-quality biochar.

- Blockchain-Enabled Transparency:

Our platform leverages blockchain to securely track and verify every stage—from production to carbon removal—ensuring data integrity, traceability, and enhanced investor and government trust.

- Technical & Non-Technical Advantages:

- Robust Quality Control:

Integrated data analytics continuously monitor process quality, while our risk assessment frameworks address both technical and non-technical challenges.

- Proven Operational Model:

Through successful pilots and local government tenders, we have validated our approach in real-world conditions, including diverse use cases like sustainable aviation fuel support.

- Scalability:

Our modular approach allows rapid expansion while maintaining operational consistency and reliability, ensuring a smooth scaling of national and international sites.





TRACTION & REAL-WORLD IMPACT

Proof Points & Pilot Successes:

- Global Pilots: Demonstrated success with key pilots, including the “Uganda story,” which showcases real-world improvements in soil health, water filtration and carbon sequestration.
- Local Government Engagement: Successful grants and partnerships with local governments validate our operational model and risk assessment methodology.
- Quantifiable Impact: Metrics from our pilots—such as tons of carbon removed and jobs created—highlight both environmental and economic benefits.

Customer & Partner Validation:

- Early Adopters: Positive feedback from initial customers confirms our technology’s reliability and market potential.
- Strategic Collaborations: Engagements with industry partners, agricultural colleges, carbon brokers and farmers enhance our credibility and future growth prospects.

WHAT WE NEED & NEXT STEPS

- **OUR ASK FROM SHELL STARTUP ENGINE:**

- Mentorship & Networks:
- Leverage Shell's industry experts and mentorship to refine our non-technical risk assessments and enhance our tender strategy for local governments and large-scale industrial projects.
- Data & Technology Support:
- Partner in scaling our blockchain-powered data platform, ensuring robust quality control and transparency for carbon removals.
- Scaling & Market Access:
- Support our expansion efforts through access to Shell's global network, investment insights, and strategic introductions, paving the way for rapid, scalable growth.

- **NEXT STEPS:**

- Roadmap Milestones:
- Outline key milestones, including upcoming pilot expansions and participation in the 29th and 30th April events, to validate our scaling strategy and market traction.
- Call-to-Action:
- Collaborate with us to drive innovation in carbon removal solutions and unlock the full potential of sustainable carbon removal.





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LIGHTING THE WAY FORWARD

Our journey isn't just about technology—it's about transforming how the world restores its natural balance. Every breakthrough, every collaboration, sparks change for a greener, more resilient planet.

Pioneering a Sustainable Future:

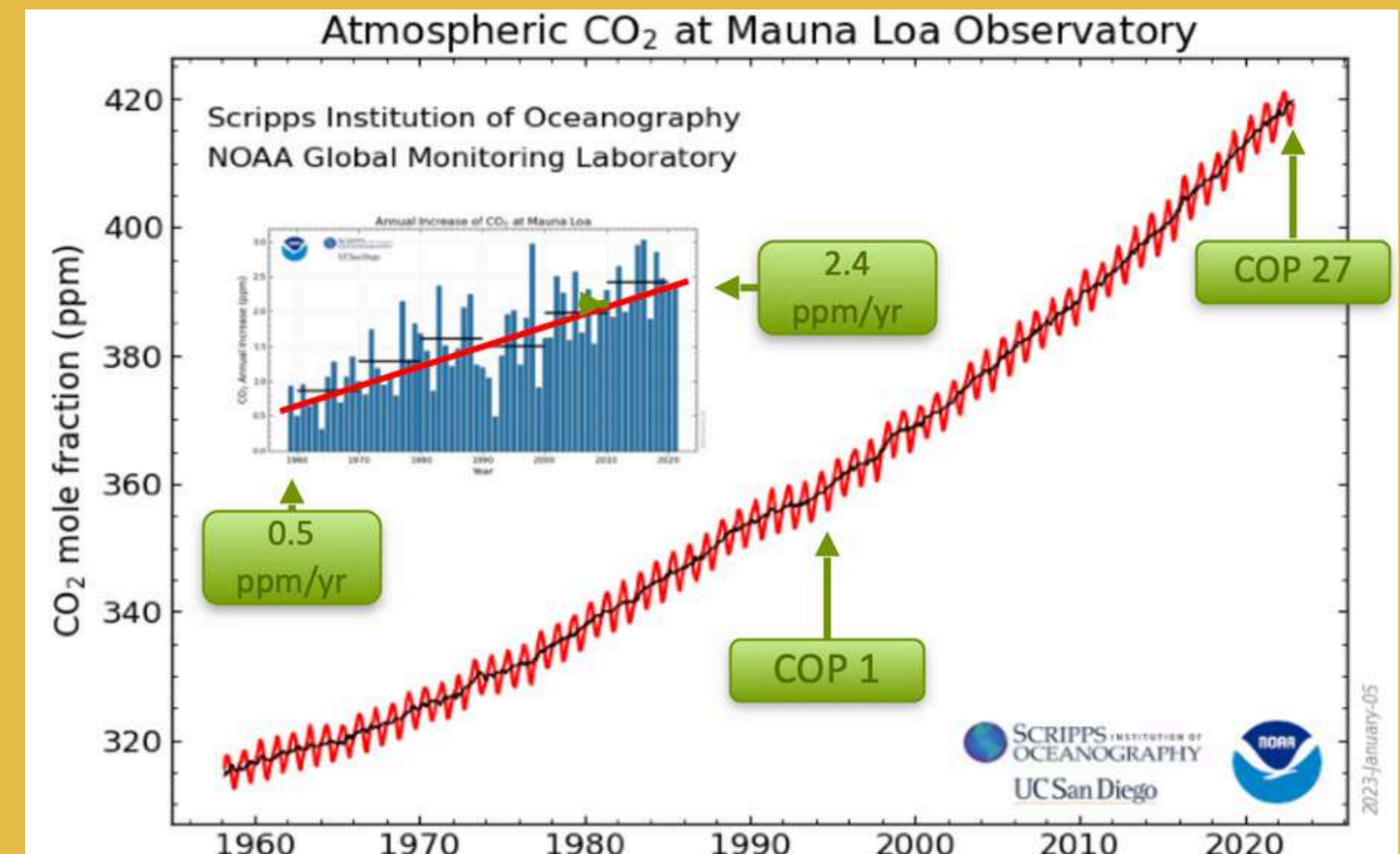
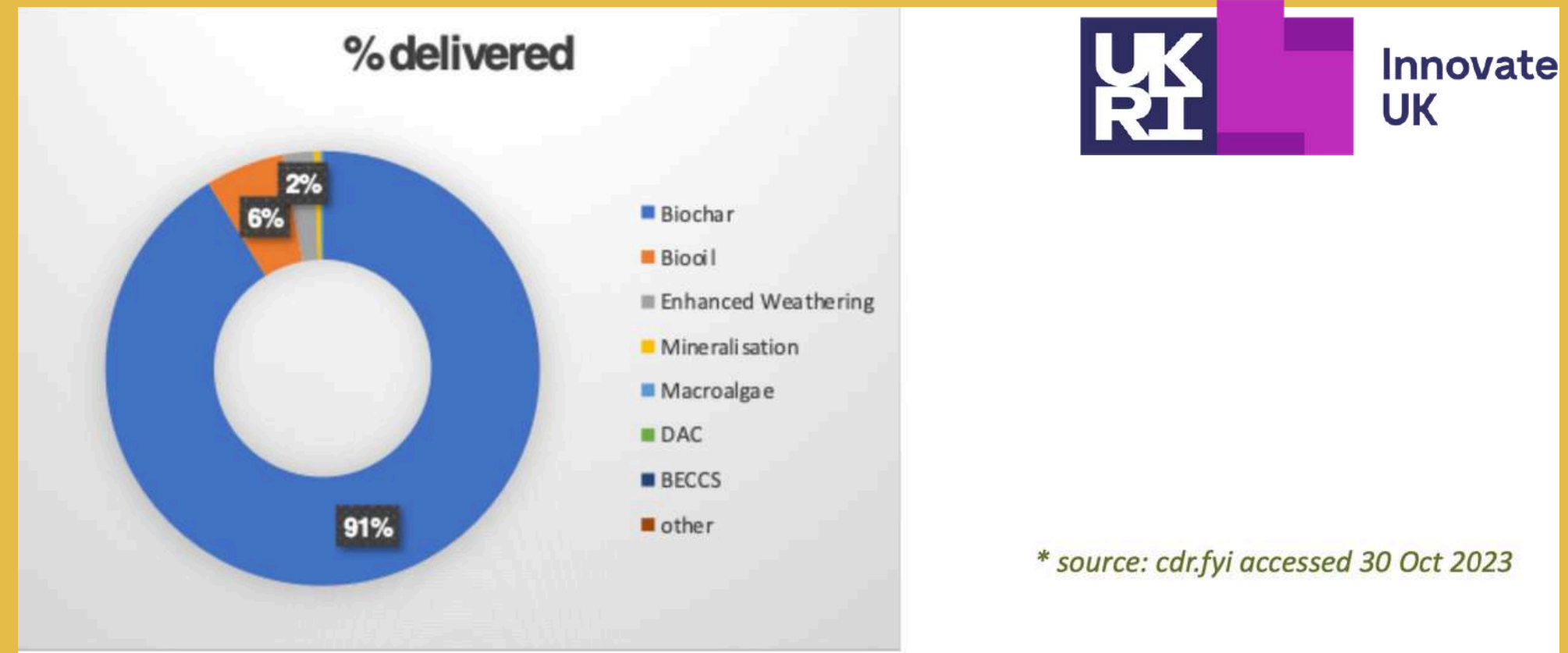
We believe in the power of innovative solutions to drive economic opportunity and environmental restoration. Today, we stand at the nexus of technology and nature, ready to lead the transition to a truly sustainable energy future.

Join Us in Making History:

Let's harness our collective expertise and passion to disrupt the status quo, inspire global impact, and create a legacy of restoration. This is more than a pitch—it's a vision for a better tomorrow.

Together, We Ignite Change:

As we move forward, we invite you to be a part of our journey—a journey where every step is a commitment to innovation, every action fuels progress, and every milestone reaffirms our resolve to heal our world.





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THANK YOU



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