



# White Paper / High-Quality Carbon Removal 2030

## “Integrating High-Quality Carbon Removal into Corporate Climate & Nature-Positive Strategies”

### 1. Executive Summary

Companies are at a critical juncture. The era of ambitious climate pledges without credible implementation is over. High-quality carbon removal is becoming a strategic core element of modern climate strategies. This white paper outlines how companies can integrate high-quality CO<sub>2</sub> removal into their corporate strategies by 2030.

### 2. The Business Imperative

Regulatory momentum (CSRD, EU frameworks), rising stakeholder expectations, and the growing gap between climate ambition and real-world progress make carbon dioxide removal (CDR) a business necessity.

### 3. From Reduction to Removal

Net zero is not achievable without carbon removal. Emissions reduction remains the foundation, but CDR is essential to address unavoidable residual emissions.

### 4. High-Quality Principles

Permanence, additionality, leakage control, and transparent MRV systems (Monitoring, Reporting, Verification) define high-quality CDR projects.

### 5. Integration into Climate Strategies

Science-aligned roadmaps, clear governance structures, internal carbon pricing models, and integration into value chains and business models are key success factors.

### 6. Nature-Positive Strategies

Biodiversity and climate action are converging. TNFD (Task Force on Nature-related Financial Disclosures) and SBTi-N (Science Based Targets Initiative for Nature) are setting new standards for nature-positive corporate leadership.

### 7. Technology as an Enabler

AI-based MRV, GIS-supported nature assessments, and digital CSRD standards enable precise, efficient, and scalable sustainability strategies.

## 8. Portfolio Roadmap 2025–2030

Companies should diversify their removal portfolios: nature-based solutions in the short term, hybrid approaches in the medium term, and technology-driven solutions in the long term.

## 9. Recommendations for Action

### Short term (0–12 months):

- Define CDR needs through 2030
- Secure access to high-quality projects early (“early access” to scarce capacity)
- Establish internal governance and MRV processes

### Medium term (1–3 years):

- Build strategic partnerships with project developers, research institutions, and technology providers
- Integrate CDR into procurement, product development, and financing
- Implement internal carbon pricing

### Long term (3–5+ years):

- Embed CDR structurally into business models
- Scale through long-term offtake agreements
- Systematically align CSR and CSRD reporting with CDR

### Conclusion

Companies that invest early in high-quality carbon removal will secure credibility, resilience, and long-term competitiveness. The time to act is now.