

EXOMAD GREEN – INDUSTRIAL BIOCHAR



Project Partner:

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Project Country:

Bolivia

Project Region:

Concepcion and Riberalta

Project Type:

Biochar Carbon Removal

Certification Standard:

Puro.earth

CO₂ Impact in Tons per Year:

17,000t

Project Description:

Exomad Green operates the world's largest biochar carbon removal project, transforming sustainable forestry residues into a powerful climate solution. The project began when the company observed wood waste from sawmills being burned in open pits, polluting the air and releasing CO₂. Instead, Exomad collects this biomass and converts it into biochar through pyrolysis—a high-temperature process that locks carbon into a stable form for over 1,000 years. With an exceptional 84% carbon content, Exomad's biochar is among the highest quality globally. All biochar produced is donated entirely to indigenous communities and local farmers, where it improves soil fertility, increases water retention, and reduces the need for chemical fertilizers. The project currently operates two facilities in Bolivia and plans expansion to reach 1,000,000 tonnes of CO₂ removal annually by 2027.

Additional Positive Impacts:

- Durable carbon sequestration lasting over 1,000 years
- Transformation of waste biomass into valuable soil amendment
- Support for indigenous farming communities through biochar donations
- Improved agricultural productivity and reduced chemical fertilizer use
- Prevention of air pollution from open burning of wood residues



Improved crop results



Industrial setup



Processing of biochar

Supported SDGs



Free biochar distribution enables indigenous communities and smallholder farmers to increase crop yields and secure their livelihoods.



Biochar-enriched soils improve water retention and nutrient availability, leading to measurably higher agricultural productivity.



The project transforms sawmill waste streams into a valuable soil amendment, creating a circular use of forestry residues.



High-temperature pyrolysis locks carbon into a stable form for over 1,000 years, permanently removing CO₂ from the atmosphere.



Biochar application restores degraded soils, reduces the need for chemical fertilizers, and supports long-term ecosystem health.