The Local Carbon Network is a community-based carbon sequestration network. We are transforming waste into an accessible climate solution.

How are we doing this?

By rethinking our relationship to carbon and waste.

First, let's get a couple things straight:

Carbon is not the problem, after all, every living thing is made of carbon. I'm made of carbon, you're made of carbon, that plant over there is made of carbon.

Humans are the problem. Humans are emitting CO2 faster than Earth's natural cycles are able to keep up.

Earth has a natural way of regulating carbon-- plants. Humans have disrupted this natural cycle of regulation. But a solution exists. By bringing together people, plants, and machines we can re-fossilize and trap CO2 back into the soil, preventing it from being released into the sky.

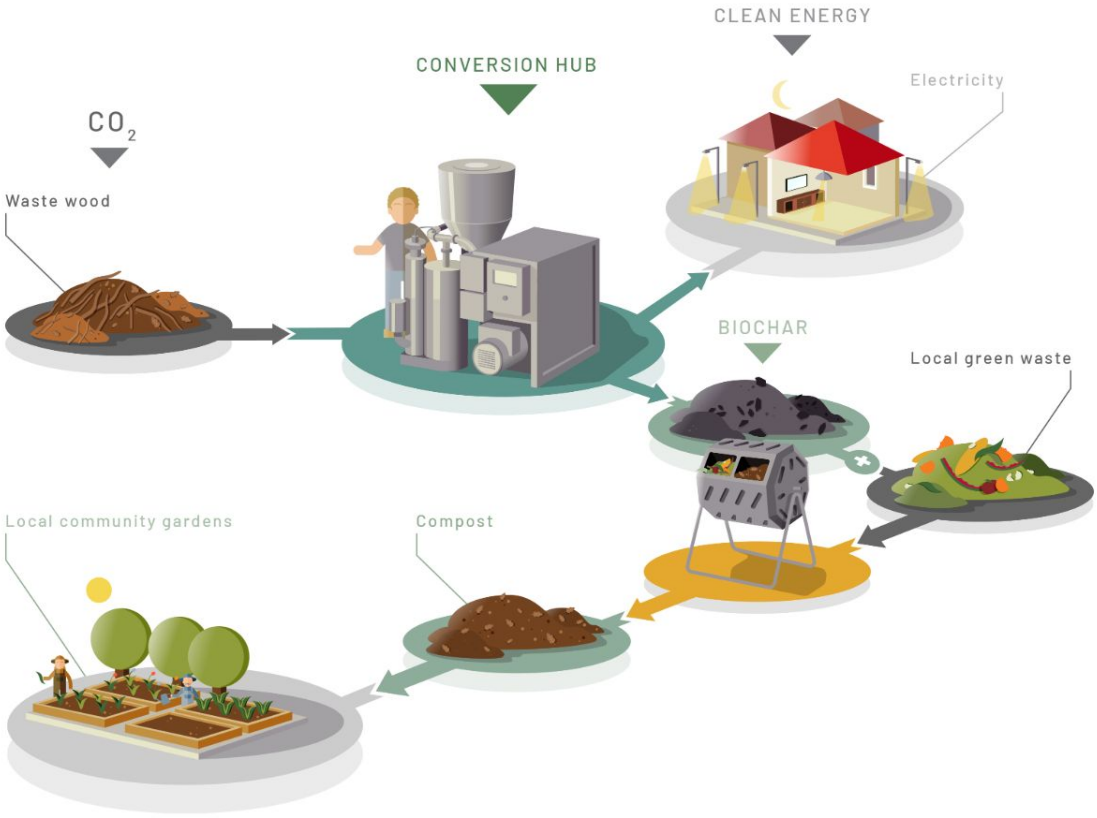
LCN connects hands to action, as well as investment dollars to direct, traceable, verifiable and immediate carbon drawdown.

What is a Local Carbon Network?

local green waste - biochar making technology - community gardens - sponsors

We source local green that would otherwise go to landfill and convert it into Biochar using a new technology that allows the simultaneous production of electricity and heat. We find sponsor

funding to purchase a supply of the biochar to donate to the local community gardens. We supply the gardens and teach them how to co-compost with the Biochar.



Why does it work?

BECCS - Bioenergy with carbon capture and storage is a scientifically recognized method of carbon farming. Our proprietary technology is small enough (25kW) to adapt to farm and community amounts of green waste without requiring green waste to be transported in over larger distances.

For every kg of co-composted Biochar we have up to 40kg of climate impact

We also reduce the nitrous oxide and methane emissions of the compost piles by up to 90% . The presence of Biochar in the compost boosts the electron exchange capacity of the microorganisms, producing bigger healthier plants

How can you get involved?

We are currently starting a Local Carbon Network in Central Italy and are looking for sponsor funding to be able to provide free biochar, training and compost tumblers to one Community Garden and 3 farms. This will represent the pilot phase which will be followed by outreach to all community gardens, region by region.

As a sponsor you would appear on our printed material, social media, website, local press articles and at the composting sites.

So far we have sequestered:

But we can grow the numbers exponentially with external funding.

The Climate Clock tells us we will reach our CO2 limit within 15 years. The Scientific American tells us we only have 60 harvests left.

The top 1 meter of soil contains an estimated 1417 gigatonnes (GtC) of Soil Organic Carbon, which is nearly twice the quantity of atmospheric carbon (847 GtC as carbon dioxide – CO2) Professor Rattan Lal, soil scientist at Ohio State University says, "a mere 2% increase in the carbon content of the planet's soils could offset 100% of all greenhouse gas emissions going into the atmosphere." - while also regenerating soils.

All we need to do is act.

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