Carbon Credit Project

Václav Kurel, CEO

Carboneg


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Regenerative Agriculture
suported by carbon credits scheme
Václav Kurel, CEO

Climate change

Drought and heavy rains

Threatened food security

Loss of biodiversity

Chemical pollution

High input costs

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Healthy soil is the answer.

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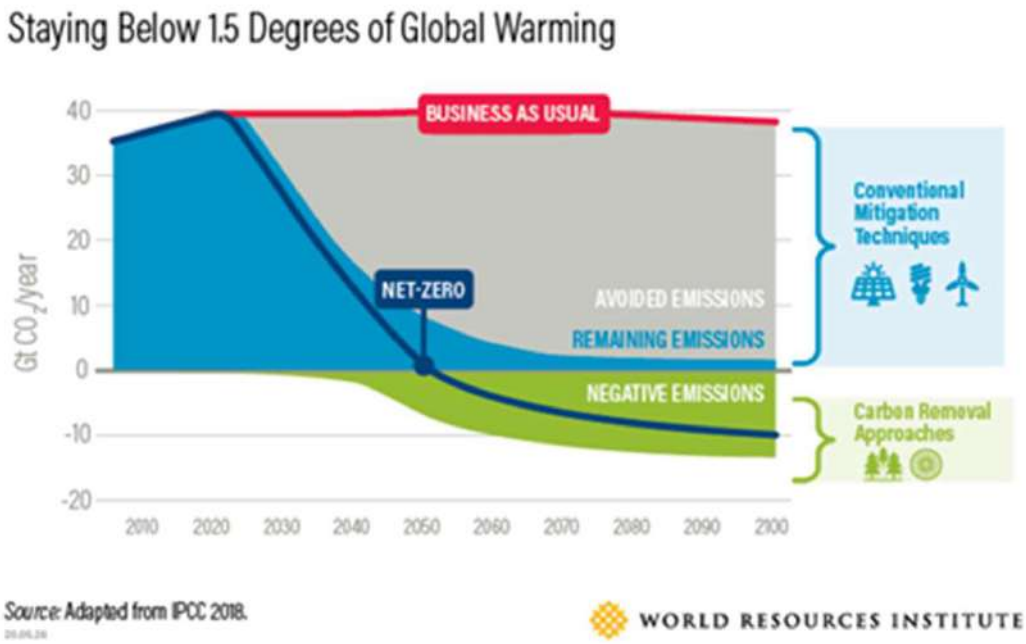
Regenerative agriculture aims to return life to the soil.

Carbon farming

- Based on regenerative farming principles
- Carbon sequestration
- Rewards for farmers

We can't do it without carbon removal.

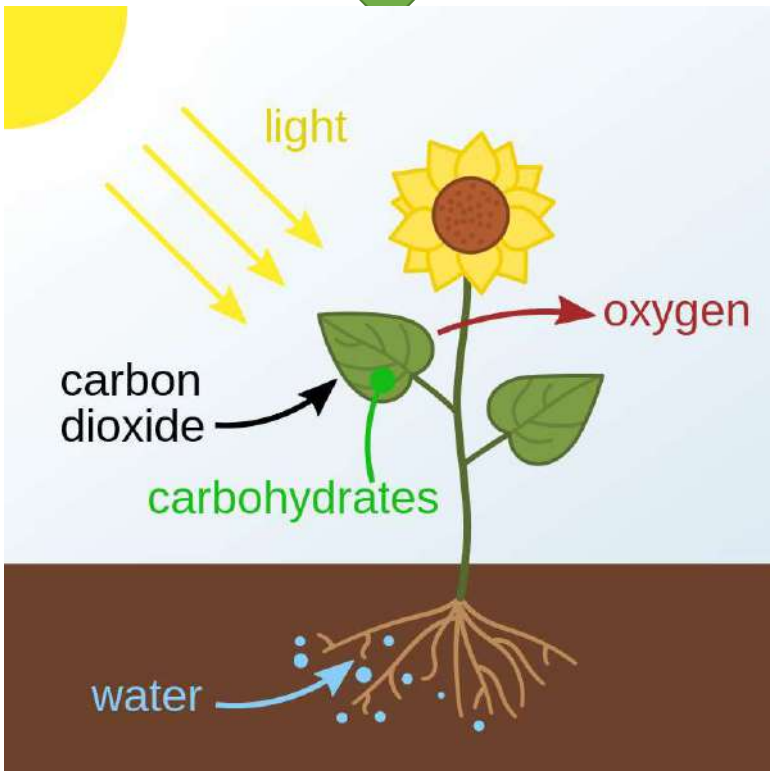


How do we get carbon in the soil?

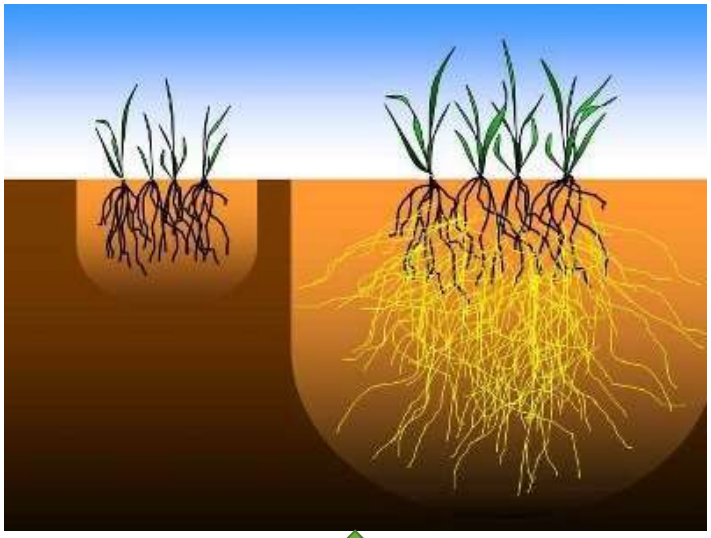
Our technology

Photosynthesis

$$6\ CO_2 + 6\ H_2O \rightarrow C_6H_{12}O_6 + 6\ O_2$$



Symbiosis of plants and soil microorganisms



HEALTHY SOIL
about 40% of carbohydrates (carbon) are sent by the plant to the soil through the plant roots

Farmers should not destroy life in the soil

- Direct sowing without ploughing
- Minimal chemical inputs

Farmers should feed the microorganisms in the soil

- Growing cover crops
- Keeping soil covered with plant residue

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Farmers should support the symbiosis of animals, plants and soil microorganisms

- Regenerative grazing
- Species diversity

Regenerative agriculture increases:

- Organic matter (i.e. carbon) in the soil
- Biodiversity in the landscape
- Water retention capacity of the soil
- Soil resistance to erosions, drought and heavy rains
- Food quality and food security
- Farmer profitability

Our mission

„Heal the Soil
to Heal the Planet“

Our strategy

We want to support the fastest possible transition to regenerative practices on the largest possible area.

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Regenerative agriculture means a 180° shift in mindset for farmers.

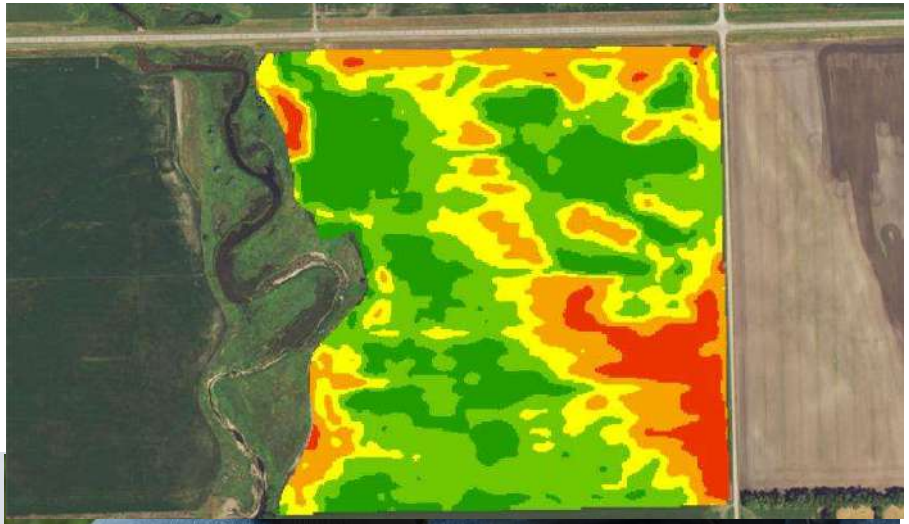
Changing mindsets is the biggest challenge.

Obstacles to the adoption of regenerative agriculture

- Lack of knowledge
- Lack of community and consultation
- Financial risk

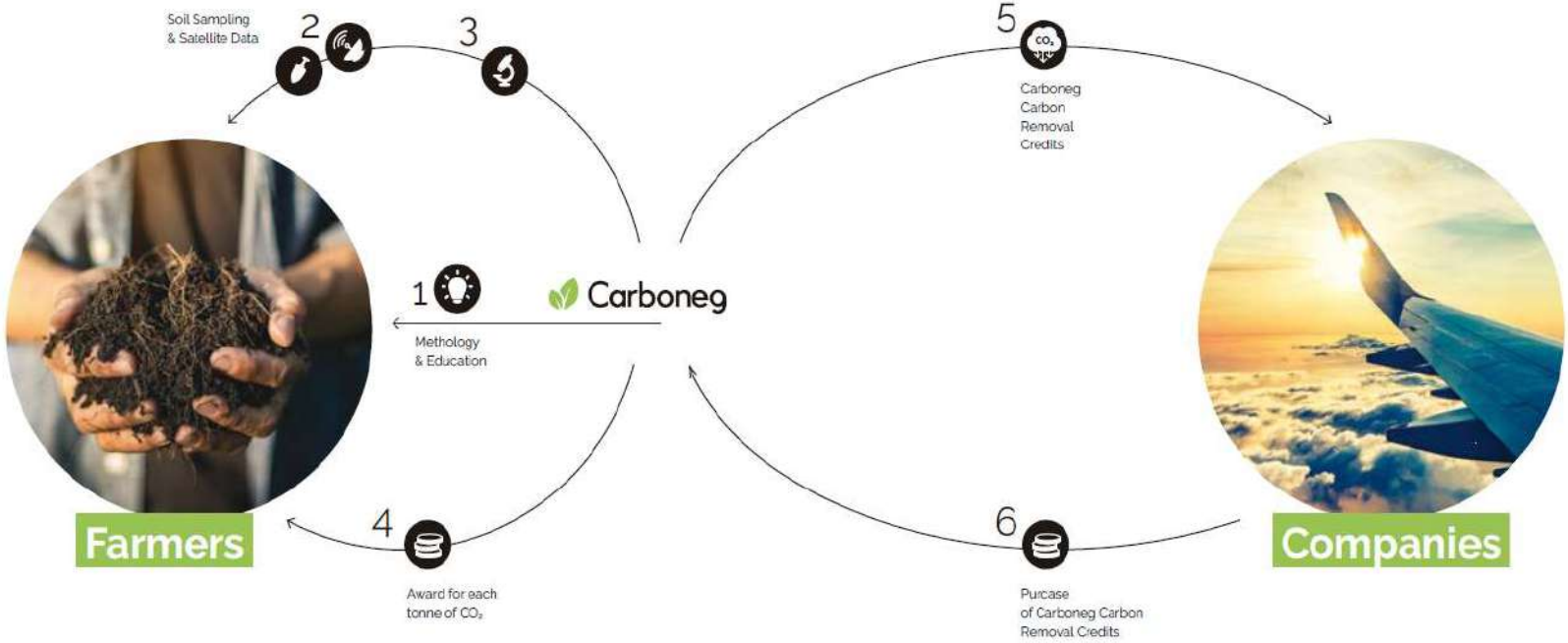
Mentor-based training in local languages

Soil sample collection and lab analysis



Carboneg Ecosystem

We motivate farmers to implement regenerative farming principles while maintaining their yields, lowering costs, and considering the environmental and social impacts



Verification of our methods

- **We are working on validation and verification according to ISO 14064**

Who can get involved?

CONVENTIONAL AND ORGANIC FARMS

AT LEAST 10 HECTARES

NO OTHER CARBON PROGRAM ON THE SAME LAND

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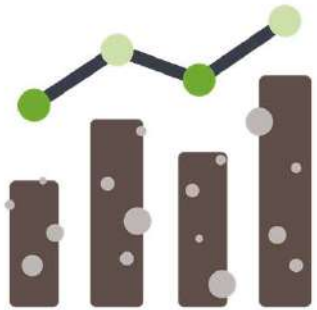
Who cannot get involved?

- Farmer who is practising regenerative practices for several years. He can become a mentor of the programme.

Starting regenerative farmers commit to:

- Use direct sowing methods or strip tillage to a maximum depth of 10 cm
- Strive for continuous soil surface coverage
- Implement diverse crop rotation, including multi-species cover crop mixtures
- Reduce mineral fertilizers and plant protection products (PPP) to the necessary minimum
- And/or practice regenerative grazing

Basic reward



20EUR
per ton CO_2 / ha / year

20 EUR for each ton of CO_2 you remove from the atmosphere through your carbon farming.

With consistent application of regenerative principles, approximately 1-3 tons of CO_2 per hectare per year can be stored in the soil, which amounts to a reward of up to 60 EUR per hectare per year.

80% of the reward is paid immediately after verification and sales of generated carbon credits.

The remaining 20% is paid as a top-up 5 years after the last measurement.

Bonus for advanced regenerative practices

- A reward system for regenerative farming practices
- Better practices = higher support for overall biodiversity
- Additional financial support for each ton of CO2 stored in the soil
- Up to 30% more than the basic reward
- Overall, you can earn up to 26 EUR/ha/year

Up to 30% more

26 EUR
per ton CO_2 / ha / year

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Improve the soil structure on your fields and pastures, contribute to water retention in the landscape, and support biodiversity

Let‘s heal the soil to heal the planet.

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