

CH4 Manifesto

We understand how fragile humanity is and how narrow the range of conditions suitable for its survival. We care about climate change, and what we do about it. We know that greenhouse gases are all the gases in the atmosphere that trap heat - water vapour, oxygen, carbon dioxide, methane, ozone. We can influence the amount of some of them significantly. Therefore we declare:

WE ARE MOTIVATED to reduce the amount of methane and carbon dioxide emitted by cattle, as the cattle themselves spend its own energy to produce the gasses resulting in lower productivity, weight gain and less growth than directing that energy to their tissues and milk.

WE HAVE A LONG-TERM STRATEGY - we are changing the gene pool of our herds by choosing cattle that have a gene that can reduce the amount of methane generated by their herd by more than 26% in 10 years.^{[1][2]}

WE OPERATE in the short term - cattle graze on pasture, giving up feeding indoors as much as possible. We change the supplements for our herds to reduce methane emissions. This not only contributes to climate sustainability but also improves carbohydrate uptake.^[3]

We are CHANGING THE AGRICULTURAL LANDSCAPE so that the gas generated by livestock reaches its natural sinks as quickly as possible and self-locks in wood for long.^[4] We cultivate the pastures to huge variety of grasses and change the layout of the fields in order to make the forest neighborhood as wide as possible.

We encourage the government to LEARN AND DEVELOP the principles of climate-friendly agriculture. We help our like-minded neighbors to implement them in the environment. We have mobilized a team of experts in landscape research and agricultural spatial planning and design, and we regularly publish news and present speeches at conferences.

Sources:

[1] Journal of Dairy Science, Volume 104, Issue 8, August 2021, Pages 8983-9001

[2] Van Engelen, S. The genetic background of methane emission by dairy cows, 144 pages. PhD thesis, Wageningen University, Wageningen, the Netherlands (2018) With references, with summaries in English and Dutch ISBN: 978-94-6343-732-5

[3] Pašarų priedai: <https://mootral.com/science/>

[4] Metano kaupyklos miško paklotėje: <https://www.carbonbrief.org/methane-uptake-from-forest-soils-has-fallen-77-per-cent-three-decades#:~:text=These%20soils%20are%20home%20to,they%20can%20use%20as%20energy.>

