

HempGenTech's contributions to Sustainable Development Goals (SDGs)

HempGenTech (HGT) is at the forefront of global efforts to advance sustainable agricultural practices and contribute to several key Sustainable Development Goals (SDGs), notably SDG 2 (Zero Hunger), SDG 13 (Climate Action), and SDG 15 (Life on Land). Our work focuses on developing and commercialising advanced hemp varieties with tangible environmental and economic benefits.

Carbon sequestration & climate resilience (SDG 13)

HGT's program emphasizes hemp's unique ability to sequester carbon. Hemp is an efficient carbon sink, absorbing large amounts of CO₂ per hectare (22 tonnes) compared to traditional crops. By integrating hemp into crop rotations, HGT is helping farmers combat climate change by reducing the carbon footprint of agricultural systems. In addition, our varieties are bred for resilience in the face of climate variability, providing a robust solution for regions vulnerable to changing weather patterns.

Methane reduction in livestock (SDG 12 & 13)

Through innovative feed trials, we are working to harness hemp's potential in reducing methane emissions in ruminants, a critical component of the fight against climate change. Hemp-based feed solutions have shown promise in lowering methane emissions from cattle, contributing to sustainable livestock production. Our R&D in this area supports global efforts to mitigate the agricultural sector's environmental impact while improving productivity.

Phytoremediation of degraded soils (SDG 15)

HempGenTech is a global leader in using hemp for phytoremediation, particularly in ex-mining areas. Our hemp varieties are bred to absorb heavy metals and pollutants, offering a green solution for restoring soil health in contaminated lands. This work enhances biodiversity, promotes land rehabilitation, and aligns with global goals for sustainable land use.

Economic empowerment through sustainable agriculture (SDG 2)

At HGT, we focus on the economic viability of hemp by creating scalable, high-yielding varieties that offer dual-purpose applications for grain and fibre production. Our efforts contribute to food security by enhancing crop yields and promoting sustainable agricultural practices, particularly in regions where traditional crops face challenges due to climate conditions.

The FAO has been instrumental in promoting sustainable agriculture and climate-resilient crops globally. Support in providing frameworks for hemp cropping and regulatory guidance on the use of industrial hemp in food and feed applications could significantly amplify the impact of hemp in both environmental and economic contexts. We look forward to continued collaboration with the FAO to expand hemp's potential worldwide.