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**The contribution of hemp cultivation to tackle climate change and for people  
and environment's health**

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# HEMP

As **industrial hemp** (*Cannabis sativa* L.) are named those Cannabis varieties having a THC value below 0.2% (according to the law 242/16).

This **multi-purpose plant** represents a real alternative for the production of food, dietary supplements and medicines, construction and insulating materials, paper, plastics, cars, dresses, gasoline and many others.

The **benefits** deriving by its industrial use are many:

- Well-being and environment protection
- Workers and consumers' health
- Creation of new jobs in the agricultural and industrial businesses





# ENVIRONMENTAL PROTECTION

Industrial hemp is perfectly suitable with the agricultural policies for a **sustainable development** as it:

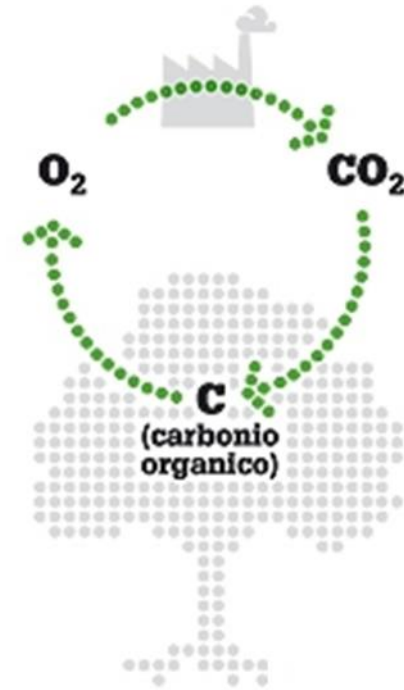
- Promotes bio-diversity
- Requires only a few water
- Does not need fertilizers
- Does not need pesticides
- Enriches the soil (green manure crops)
- Is not much affected by the pollution
- Has phyto-remediation properties



# CARBON SINK

Hemp is an excellent crop for the **atmospheric CO<sub>2</sub> absorption**. This plant's very fast growing, reaching 4 meters high in 100 days, makes it a quick instrument for the **CO<sub>2</sub> conversion into biomass**, sinking it into materials which will be lately used to obtain **sustainable and renewable products**. One hemp-cultivated hectar can sink **15,46 tons of CO<sub>2</sub>**, of which:

- 13 tons will be sank into the output materials obtained by fiber and shive;
- 2,46 tons remained on the field will contribute to the soil enrichment with organic substances.



# HEALTH AND SUSTAINABLE INDUSTRY

The hemp promotes the citizens and environment's health in a diffuse and differentiated manner:

- The hemp seeds offer amino acids and essential fats (omega 3 and 6), supporting a **healthy eating habit**;
- The shive allows the construction of **sustainable structures**, with benefits for the inhabitants and the environment;
- **Bioplastics** obtained with hemp **decrease the oil consumptions** and replace the non-biodegradable plastics helping the environment.
- The **hemp paper** does not require toxic whitenings like the common-used one and the hemp's cellulose yield is way higher.





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