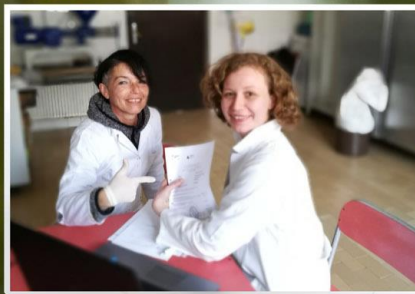


K konopko



Zadruga Konopko, zadruga za razvoj trajnostne pridelave in predelave konoplje - Konopko z.o.o., socialno podjetje
Lindek 22, 3213 Frankolovo, Slovenija
www.konopko.si info@konopko.si





WE BELIEVE IN HEMP.

**KONOPKO – Slovenian Hemp Co-Operative
HEMP REVIVAL FOR HUMAN SURVIVAL.**

Founded in 2014 by 15 enthusiasts.

After 4 intensive years:

- **140+ members**
- **Developed brandname, new green jobs**
- **6 major active projects**

OUR VISION

Building a bridge between growers, processors, researchers, institutes, businesses, decision makers, governmental officials... in hemp related issues in Slovenia.

OUR LONGTERM GOALS #1

- General hemp promotion in Slovenia.
- Development of technical equipment for hemp production and processing (sharing resources)
- Linking urban centers to rural areas (direct contact - farmer - cooperative - buyer)
- Establishment of operational units in rural areas in Slovenia (buying crop, processing, advice to farmers)

OUR LONGTERM GOALS #2

- Establishing a cooperative retail units in major cities in Slovenia (sales, consulting, training customers)
- Setting up a Slovenian Hemp Center (workshops, training, education, school field trips ...)
- Organization of events on the topic of industrial hemp (workshops, lectures ...)

OUR LONGTERM GOALS #3

- Developing new hemp products (in conjunction with institutes, innovators and industry).
- Generating new jobs in urban and rural areas
- Promoting hemp growing for revitalization of contaminated soil (fitoremediation), rehabilitation of agricultural land under intensive use of pesticides, the cultivation of hemp in the area with various restrictions

OPENED PROJECTS 2018

- Expanding production line (warehouse, oil press, screen and dehauling machine...)
- Quality control and ECO/GAP certification
- Sales and branding (*KonopKo*)
- Inovative Hemp plastics products (biogranulate)
- Crowdfunding
- Hemp Toilet and building with hempcrete



projekt	Vzorčni objekt iz konopljinoga betona Kompostno stranišče
naročnik	Zadruga Konopko z.o.o.
projektant	Sani Okrebič Resulibegović univ.dipl.inž.arh.
lokacija	Gornja Radgona
št.risbe	1
risba	T.LORIS
merila	1:50
datum	8.7.2015
Dizajnirano v okviru projekta "Razpisna ogledalnice konopljinog betona" št. 2015/01/04/ah	

HEMP TOILET

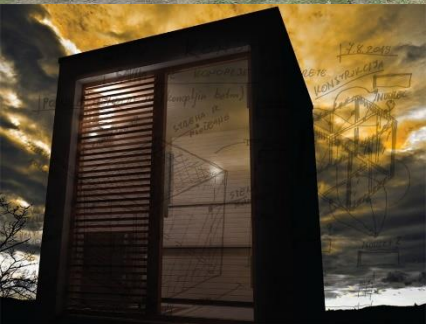
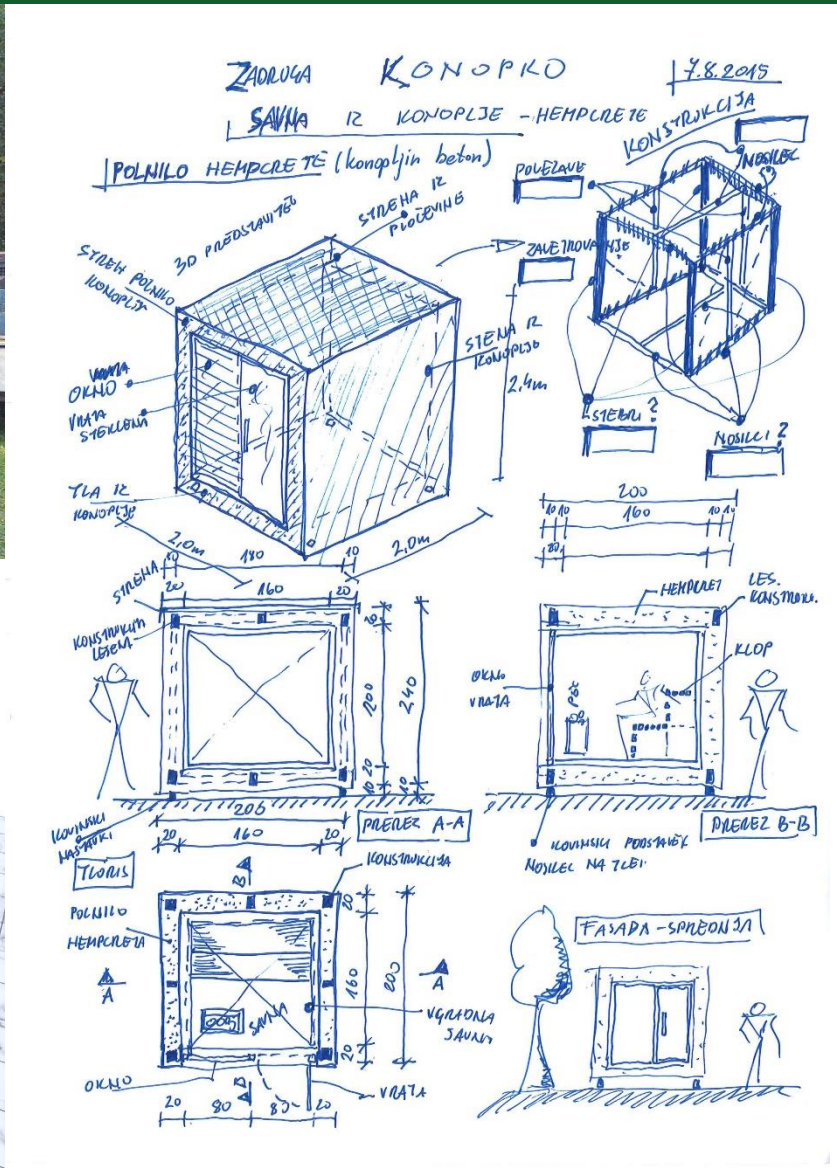
Compostable toilet

Made of hempcrete, hemp boards, hemp plastics, wood and other natural resources...











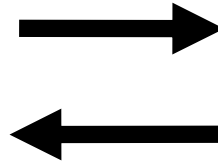
Climate
Launchpad
2015



HEMP PLASTIC BIOGRANULATE

By Konopko, Slovenian Hemp Cooperative

HEMP GRANULATE FOR HEMPPLASTICS



INDUSTRY
(extruding and moulding
technology)

KONOPKO, Hemp Cooperative

Main competitive advantage: controlling entire process – from growing hemp, processing fibers, manufacturing hemp granulate.



HEMP BIOGRANULATE

Hemp fibers + Polylactic Acid (PLA) granules
=
HEMP BIOGRANULATE (Natural Fibre Composite)



+



=



WHY PRODUCE IT?

- Natural resource: hemp
- 100% biobased, recycable, degradable, compostable material
- Agricultural biowaste to new material
- Replacing fossil fuel based plastics
- Stimulating local economy
- Grow your plastics



IDENTIFIED CUSTOMERS

Manufacturers of technical products with **extruding or injection moulding technology.**
NO TECHNOLOGY MODIFICATION NEEDED.



CROWDFUNDING 2018-2019

Raising funds for developing/buying technology for harvesting and processing.

Offering various rewards:

- mostly products/packages**
- events, dinners, workshops**



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SLO / ENG

ZAKAJ INDUSTRIJSKA KONOPLJA?

ZAKAJ POSTATI ČLAN

Ali ste vedeli?

Zaradi podobne oblike listov konopljo pogosto zamenjujejo z različico, ki jo vzgajajo kot drogo. Čeprav sta obe rastlini iste vrste, industrijska konoplja ne vsebuje skoraj nič aktivne komponente THC-ja (delta-9-tetrahidrokanabinola). **Industrijske konoplje ne moremo uporabljati kot drogo**, saj vsebuje manj kot 0,2% THC-ja (vrste, gojene za drogo vsebujejo 5-20% THC).



Semena

Seme konoplje je bogat vir beljakovin, saj vsebuje kar trikrat več beljakovin kot soja (celo do 30%). Seme vsebuje vseh osem življensko pomembnih aminokislin, njihovo razmerje pa je idealno za človeško telo in mu pomaga pri tvorbi protiteles in krepljenju imunskega sistema. Vsebnost vseh esencialnih amino kislin sama po sebi



Steblo - pezdir (sredica)

Uporaba stebela: energija in okolje (biogorivo, etanol, tekstil proti erozijam), papirna industrija (kartoni, fini/grobi papir, filtri), gradbeništvo in industrijski izdelki (zidaki, izolacija, stisnjene plošče, peleti), kmetijstvo (zastirka, stelja za živali)...



Steblo - vlakna

Vlakna iz konoplje pridobivamo s pomočjo mehčanja (maceracije) ali z lupljenjem (dekortikacijo). Vlakno sestavljajo celuloza, hemiceluloza in lignin in je dolgo od 20 do 200 cm. Vlakna iz moških rastlin so mehka in prožna in vsebujejo približno 18% kakovostnih vlaken, vlakna iz ženskih rastlin pa so groba, trša in manj prožna in



Listi in vršički

Čaj pripravljamo z namakanjem zdrobljenih posušenih listov ali celotnih zeli konoplje v vroči vodi. Tako pripravljnim čajem, kjer uporabimo del rastline ali celotno zel (herba = zel), pravimo zeliščni čaji, četudi imajo podoben fenolni profil kot zeleni čaj.

Redno pitje čaja iz industrijske konoplje nameni izboljšanje imunskega sistema