

Potenciali biomaterialov v agroživilstvu - od opada do embalaže

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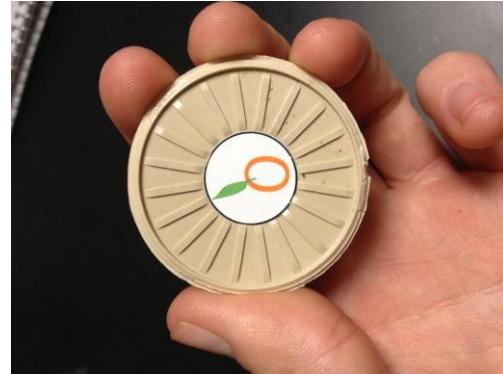


INŠTITUT ZA
CELULOZO IN PAPIR
Innovative Cellulose Products

Idej je ogromno - preboj je težak!



MARINA TEX
(odpadek predelave
rib + alge)



SCOBY PACKAGING
(odpadek fermentacije kisa
/ali reja kombuče)



MANGO MATERIALS
(prehrambeni odpadek
/sladkorji v PHA)

BIO-LUTIONS
(agro ostanki v suho
prešanje vlakninskih materialov)



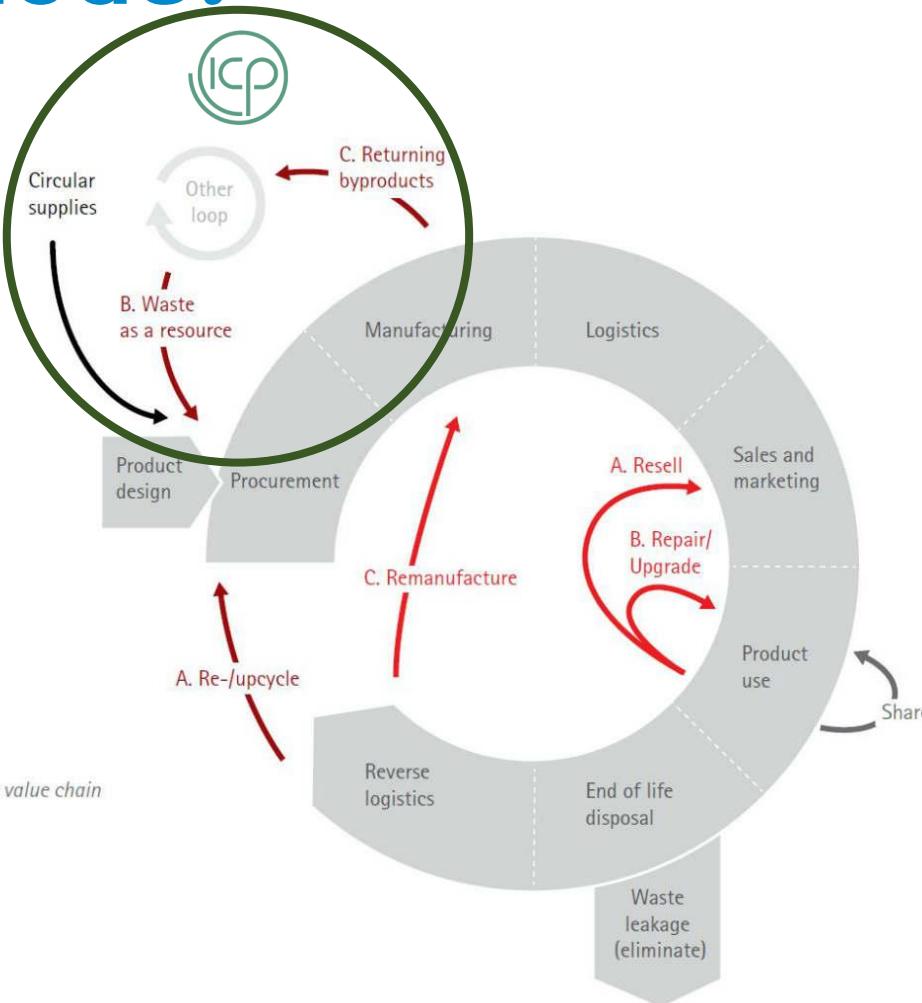
Lokalno do lokalnega (Local2local)



Okrevanje virov kot krožni poslovni model

Business Models

- Circular Supplies: Provide renewable energy, bio based- or fully recyclable input material to replace single-lifecycle inputs
- Resource Recovery: Recover useful resources/energy out of disposed products or by-products
- Product Life Extension: Extend working lifecycle of products and components by repairing, upgrading and reselling
- Sharing Platforms: Enable increased utilization rate of products by making possible shared use/access/ownership
- Product as a Service*: Offer product access and retain ownership to internalise benefits of circular resource productivity



* Can be applied to product flows in any part of the value chain

Ali je še kaj možno ponovno uporabiti? Seveda možnosti so neskončne!

- Biorafinerijski koncept predelave odpadne biomase/agro ostankov odpadkov

Celuloza
(vlakna)

Hemi celuloza

Lignin

Ekstraktivi

Bio osnovani
filterski in drugi
Tenki
Kompoziti
Baterijski
separatori

Premazi
Papirji in
kartoni,
embalaža

Zelene
kemikalije
Premazi
Smole
Lepila

Encimi
Biološka
obdelava
odpadkov
Reuporaba v
drugih panogah

Višja dodana vrednost kot bio-plin!

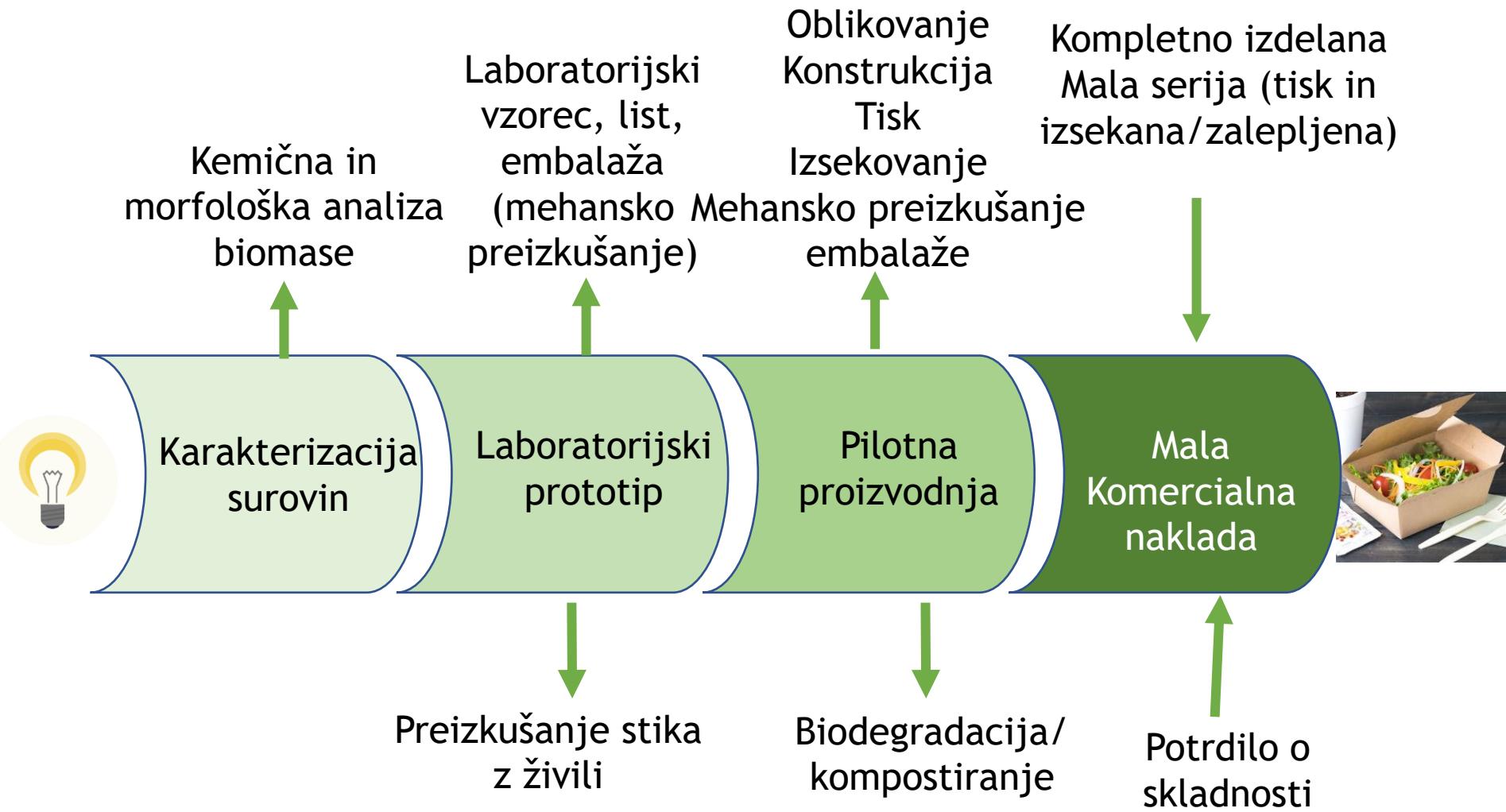
Od kje pridobivamo vlakna?



Zgodbe z našimi partnerji



Naš kreativni zeleni lijak



Naša infrastruktura

- „One stop shop“ - akreditiran laboratorij po ISO 17025:2017



Krožno je možno (Circular is possible!)

- Linija naših lastnih izdelkov pod blagovno znamko CiP (2021)

A promotional banner for the 2nd Circular Packaging Conference. The background is a dark teal color featuring a circular pattern of white dots. Various white packaging products, including cartons, cups, and pouches, are scattered across the banner. The text "September 9-10, 2021" is positioned in the lower-left area. In the center, the text "2 CIRCULAR PACKAGING CONFERENCE" is displayed above a stylized dotted curve. The location "Slovenj Gradec (Slovenia) +online" is in the lower-right area. Logos for the Faculty of Polymer Technology (FTP0) and the Pulp and Paper Institute (ICI) are at the bottom left, and the Srip Circular Economy logo is at the bottom right.

September 9-10, 2021

2 CIRCULAR
PACKAGING
CONFERENCE

Slovenj Gradec (Slovenia)
+online

● ● ● FTP0

Faculty of
Polymer
Technology

ICI

PULP AND PAPER
INSTITUTE, LJUBLJANA
Innovative Cellulose Products

SRIp CIRCULAR
ECONOMY