



PAPER BIO PACK

WHAT'S THE FUTURE
OF PACKAGING IN
CENTRAL EUROPE?

WWW.PAPERBIOPACK.EU

Interreg 
CENTRAL EUROPE European Union
European Regional
Development Fund
BIOCOMPACT-CE



BIOCOMPACT-CE FINAL CONFERENCE 28TH OCTOBER 2020
ANDREJ KRZAN - LEAD PARTNER / GREG GANCZEWSKI - WPT3 LEADER



PaperBioPack.eu Platform - Transnational
Biocomposite Packaging Centre

Full title:

Developing and Strengthening
Cross-sectoral Linkages among
Actors in Sustainable Biocomposite
Packaging Innovation Systems in a
Central Europe Circular Economy



Official description (1/2):

Project Partners will establish a Transnational Biocomposite Packaging Centre (TBPC) as an integrated virtual network platform (...) of technology and business innovation service providers in the area of sustainable paper-plastics packaging solutions that will deliver support (exchange of information, knowledge and resources) to companies and develop R&D-business ecosystems for implementing new market oriented projects concerning the application of biodegradable plastics in paper-plastic packaging solutions in Central Europe.



Official description (2/2):

The **TBPC** core team will comprise of personnel of the Project Partners that will incorporate the activities in their daily responsibilities. Other organisations (clusters, branch networks, EEN) will be invited to take part as associated partner to the **TBPC**. Their consultants will be trained and the tools of the business support service made available to them.

TBPC will provide scientific, technical, technology as well as economic feasibility assessment, promotion and other supporting types of expertise to offer a well rounded, one-stop support service



Transnational Biocomposite Packaging Centre

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PaperBioPack.eu



- Integrated virtual network platform
- Interactive website
- Consists of technology and business innovation service providers in the area of sustainable paper-plastics packaging solutions
- Created and maintained by **BIOCOMPACT-CE** Project Partners
- Free to join for external partners



Created to:

- Deliver support to companies
- Exchange information, knowledge and resources
- Develop R&D business ecosystems
- Help in implementation of new market oriented projects

PAPERBIOPACK.EU will provide scientific, technical, technology as well as economic feasibility assessment, promotion and other supporting types of expertise to offer a well rounded, one-stop support service.



COLOUR INSPIRATION

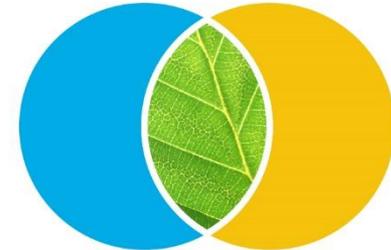


EU FLAG



PAPER

PLASTIC



BLUE + YELLOW = GREEN

FORM INSPIRATION



PAPER



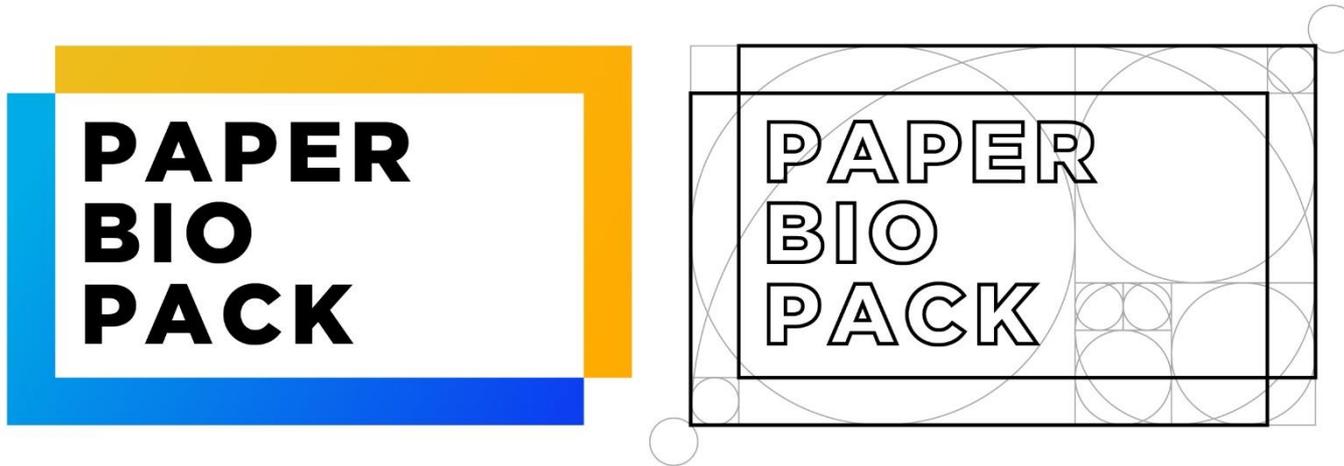
PACKAGE



VISION



ANATOMY



Blue¹

Hex triplet #00a0e6
RGB Decimal 0, 171, 230
RGB Percent 0, 67.1, 90.2
CMYK 100, 26, 0, 10
HSL 195.4°, 100, 48.1
Web Safe #00b0ff



Blue²

Hex triplet #00a0e6
RGB Decimal 0, 171, 230
RGB Percent 0, 67.1, 90.2
CMYK 100, 26, 0, 10
HSL 195.4°, 100, 48.1
Web Safe #00b0ff



Yellow¹

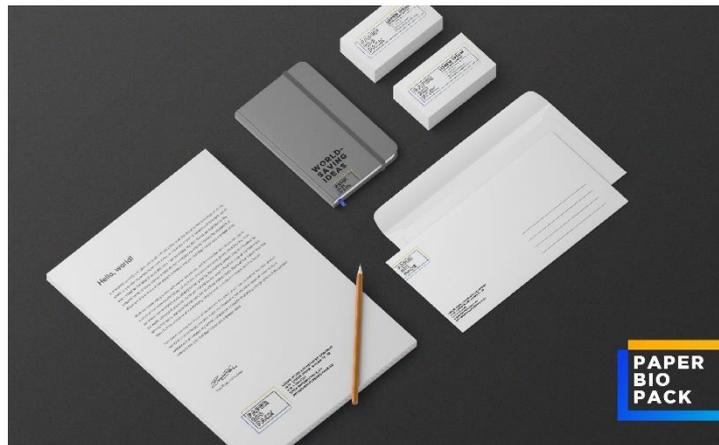
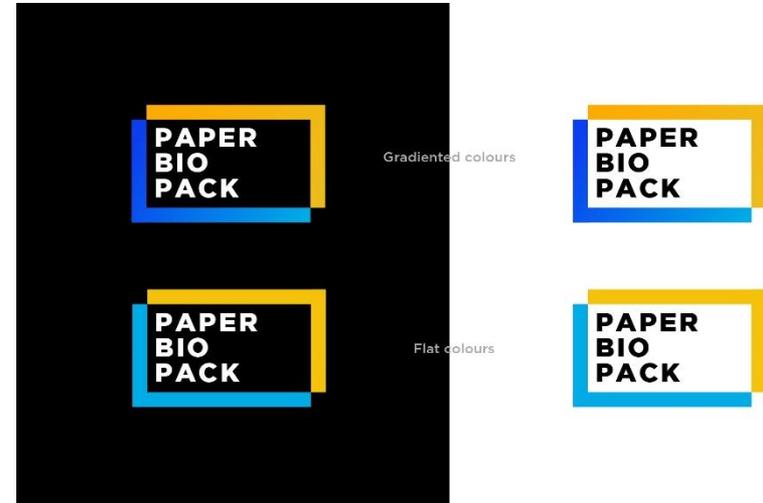
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Web Safe #ffc000

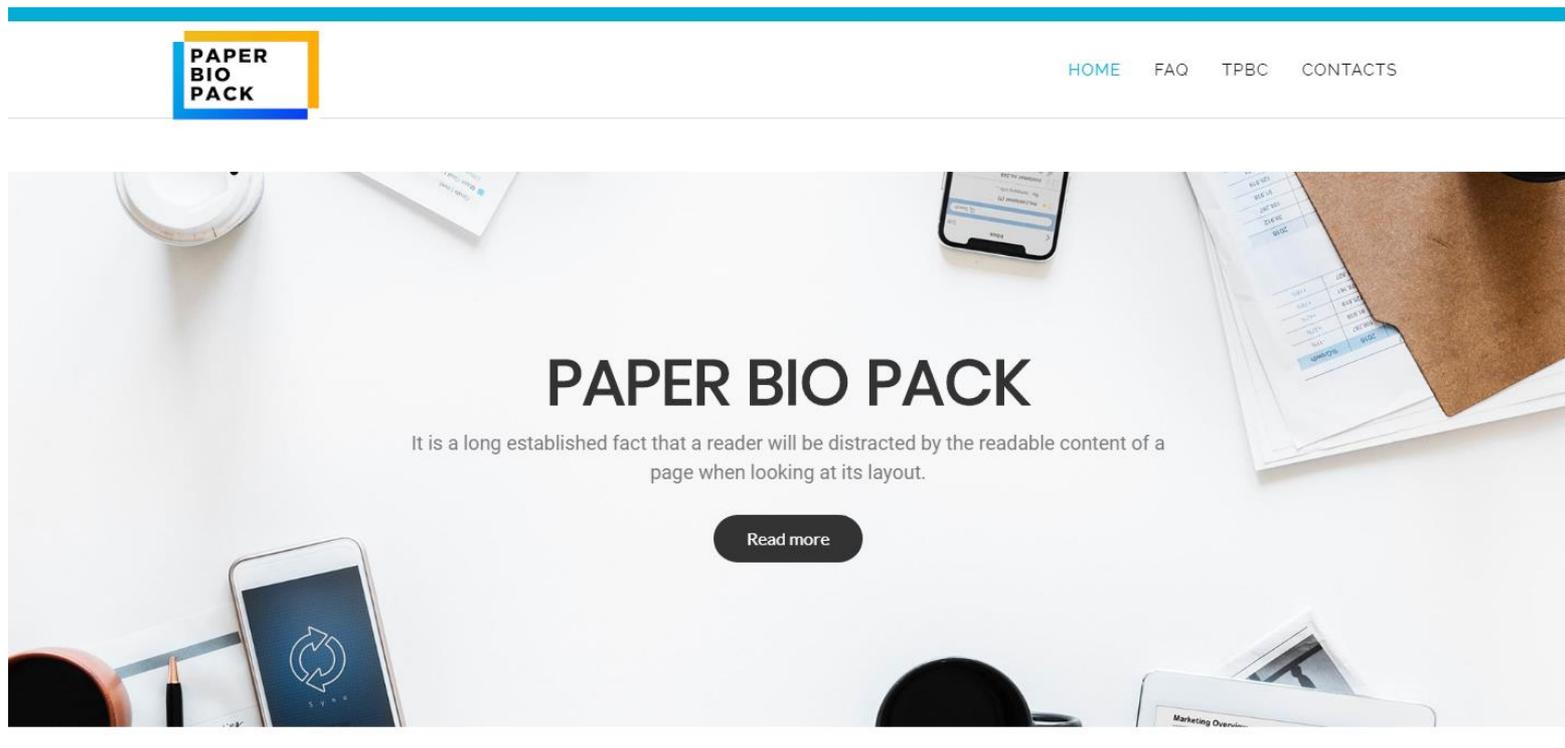


Yellow²

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RGB Decimal 255, 176, 0
RGB Percent 100, 69, 0
CMYK 0, 31, 100, 0
HSL 41.4°, 100, 50
Web Safe #ff0000







www.paperbiopack.eu



PAPERBIOPACK.EU website sections:

- Platform:
 - Information about the initiative
 - How to join and interact
- Knowledge base and FAQ:
 - All BIOCOMPACT-CE tools and resources:
 - Business Support Service
 - Pilot Actions case studies
 - Training packages in 8 different areas
 - Everything you need to know about biocomposites
- Contacts
 - Detailed business offer of PAPERBIOPACK.EU members



Business Support Service (BSS):

Set of tools developed to consult and support companies in the packaging industry in order to raise cross sectorial linkages between the actors of the segment

Aim of the BSS:

provide tailor-made innovative paper-bioplastic packaging solutions in the framework of personal meetings between companies and the experts from PAPERBIOPACK.EU



BUSINESS SUPPORT SERVICE

AUDIT TOOL
(tool for the feasibility
assessment of framework
conditions)

**TECHNOLOGICAL
FEASIBILITY TOOL**
(a tool for the assessment
of the company's
technological readiness
level)

**ECONOMIC FEASIBILITY
TOOL**
(economical assessment of
the provided innovative
solution)



Pilot Action Case Studies

the disintegration.

The laboratory method incorporated for testing is aimed at simulating conditions existing in industrial composting plants, and polymer-based packaging materials subjected to these conditions can be initially assessed in this respect.

As indicated by the results obtained, the degree of the disintegration of the samples was 92%, which means that they are characterized by a very good composting conditions.

Conclusion/Solution:

The adaptation of the flexo technology seems to be the best practice. It is clear and understated, that the viscosity of the coating material has to be higher. The adequate grammage of the coating layer should be minimum 6 gramm/squaremeter. Besides this, in order to implement the innovative solution Ugrinpack has to purchase new anilox rollers.



1. COMPANY DESCRIPTION

Ugrinpack-Erdősi Kft.



FOUNDATION: 1991
 EMPLOYEES: small size company
 KEY PRODUCTS/ SERVICES:
 production of flexible packaging materials
 packaging of promotional products
 production of POS products
 packaging of blister products

1. COMPANY DESCRIPTION

Turizem Bled



... d.d., M Tours d.o.o., Mercator d.d., Catering, Wellness and Tourism Bled,

2. NEW

2.1.

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1. COMPANY DESCRIPTION

PANARA s.r.o.

FOUNDATION: 2006
 EMPLOYEES: small size company
 KEY PRODUCTS/ SERVICES:

- production of biodegradable plastic blends
- NONOILEN 1st and 2nd generation
- biodegradable plastics testing
- development of new materials based on NONOILEN
- orientation on innovative materials for packaging

KEY MATERIALS:

- basic biodegradable blends based on natural resources
- two generations of NONOILEN products



Since 2006 the PANARA Company started with R&D in bioplastics area with the goal to develop biodegradable and bio-based blends for different types of plastic processing. Strong partnership with the Slovak University of Technology escalated into common excellent and the unique Center called CEPOMA (Center for Applied Research of Environmentally Friendly Polymeric Materials) which is technological and technical base for research and development activities connected with new biodegradable and bio-based plastic materials. The main goal is to introduce to the worldwide market a new generation of sustainable bioplastic material based on PHA, PLA and TPS polymers that could be

DESCRIPTION

21200 Plano Trogir, Croatia



all size company

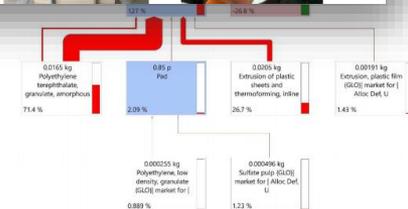


Fig. 2. Process tree of PET tray

Figure 2 portrays the process tree of PET tray. Each box represents a process that can include materials, processing, energy or assembly of materials and processes. Red arrows indicate environmental burden of the process, whereas green one represents environmental credit. The thicker the arrow the bigger the burden/credit is.



Training Packages

1. Materials
 1. Paper
 2. Plastics and Bioplastics
 3. Paper-Bioplastic
2. Legislation
 1. Food packaging
 2. Packaging and waste -
3. End-of-Life
 1. Material Recycling
 2. Organic Recycling
4. Certification - general
5. Strategy
6. Market feasibility
7. Guidelines on business support service
8. PA case study description - specific examples per country

All Training Packages in six project languages!



<https://www.txtacc.com/blog/2018/09/tips-for-organizing-your-next-training-session/>



THANK YOU!!



THANK YOU!
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