

**Uspešnost povezovanja  
slovenskih podjetij in raziskovalnih inštitucij  
v okviru Poly4emi projekta**

**Bled, 23.11.2016**



























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IDEAS**

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(the idea)



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# Potential value chains – development and usage of Biopolymers

## Matrix

(bio)polymer

## Fillers, additives

(nano) fillers (ZnO, TiO<sub>2</sub>,  
CuO, SiO<sub>2</sub>...),  
nanocellulose (NFC and  
NCC)  
Fibres (hemp, cotton,)  
pygments

(Nano) fillers,  
*nanoparticles, nanocellulose*

Coatings

Micro-encapsulation

Printed electronics

Paper and cardboard  
productions

Production of plastic and  
composite material

Production of packaging

Household components

Textile production

Tissue products and  
care

Advanced packaging –  
food, cosmetics, pharmacy

**18**

**PROJEKTOV Z  
VAVCERJEM**

**8**

**SAMOSTOJNIH  
PROJEKTOV**

**24**

**MSP**

**7**

**VELIKIH**

**7**

**JRO**

# **I** **PROTOTIP**

# 10

## TESTIRANJE IN OPTIMIZACIJA

# 3

# OPTIMIZACIJA IN INDUSTRIALIZACIJA

**2**

**H2020 PROJEKTA  
V PRIPRAVI**



# 2

# NADALJNJI RAZVOJ

Nove ideje

Novo znanje

Novi kontakti

Novi projekti

Poslovna mreža

Dopolnjevanje znanj

Izmenjava izkušenj

Skupni razvoj

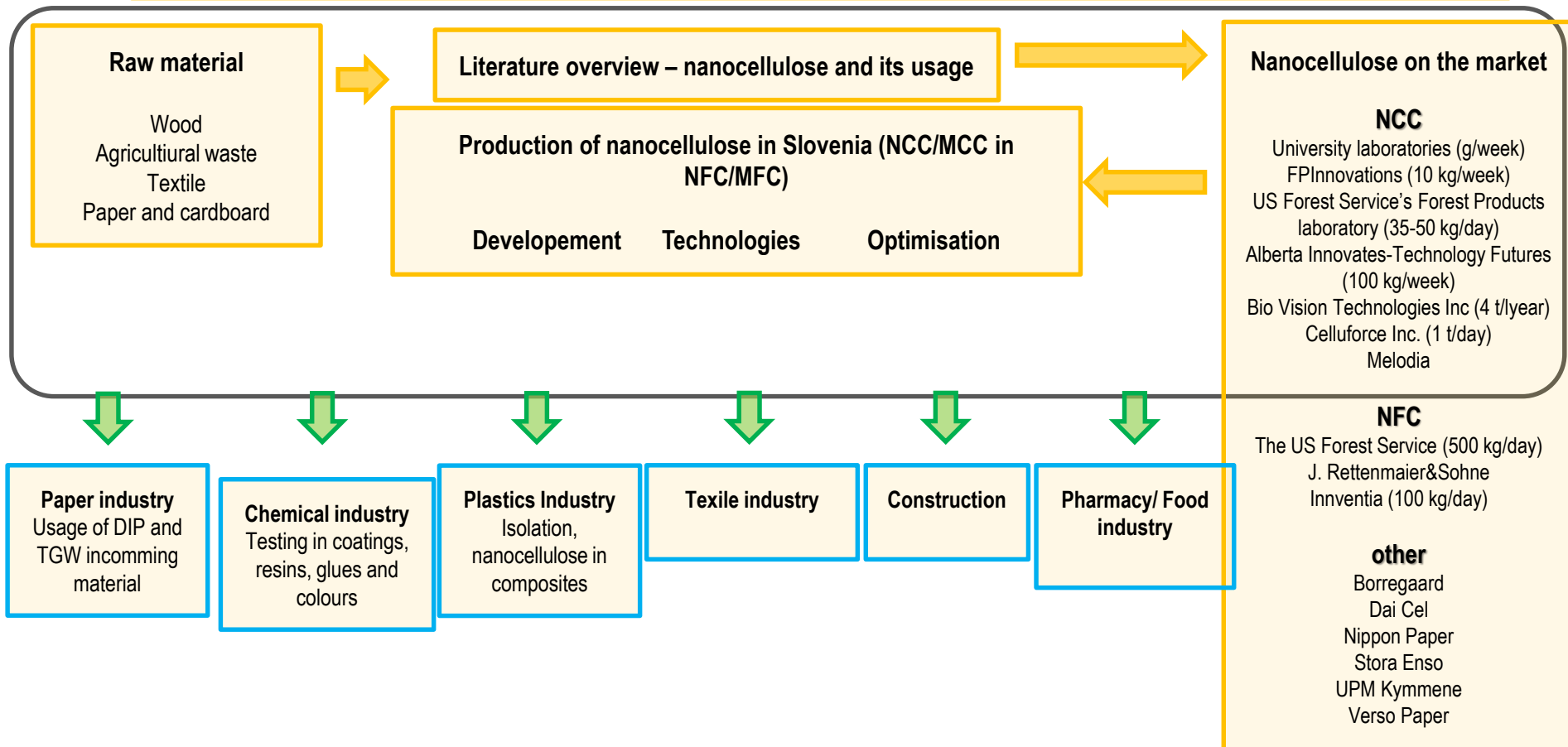
# Zakaj je bilo povezovanje uspešno?





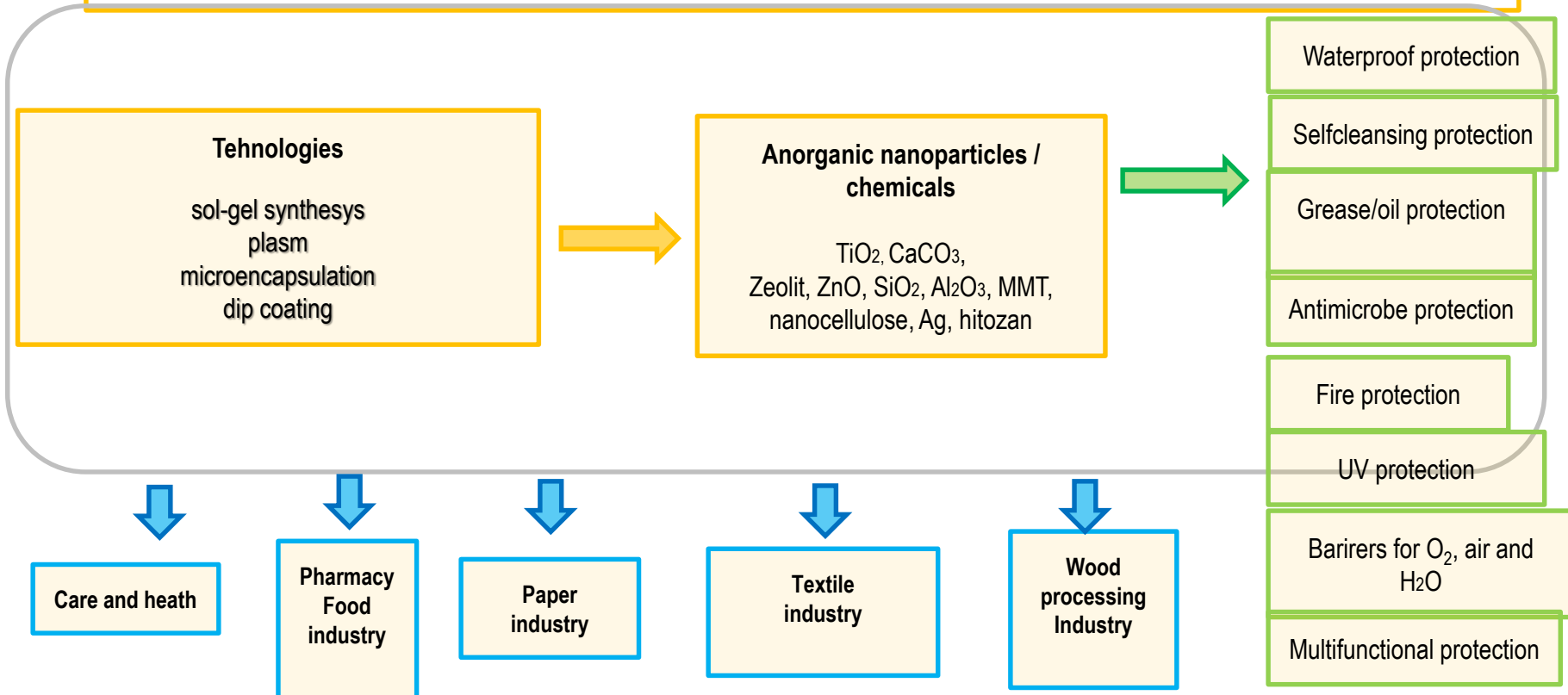
# Potential value chains – development and usage of Biopolymers

## Nanocellulose



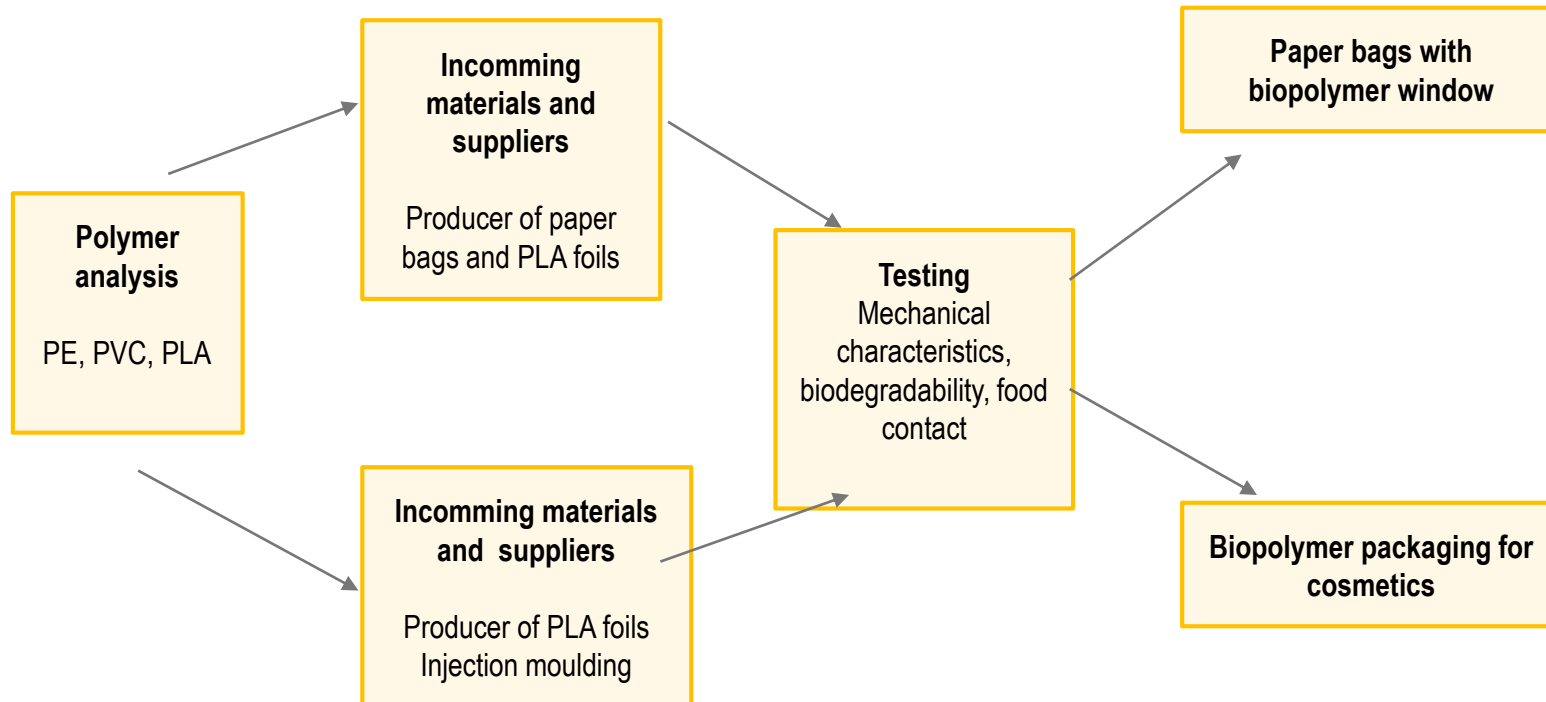
## Potential value chains – development and usage of Biopolymers

### High-performance protective coatings



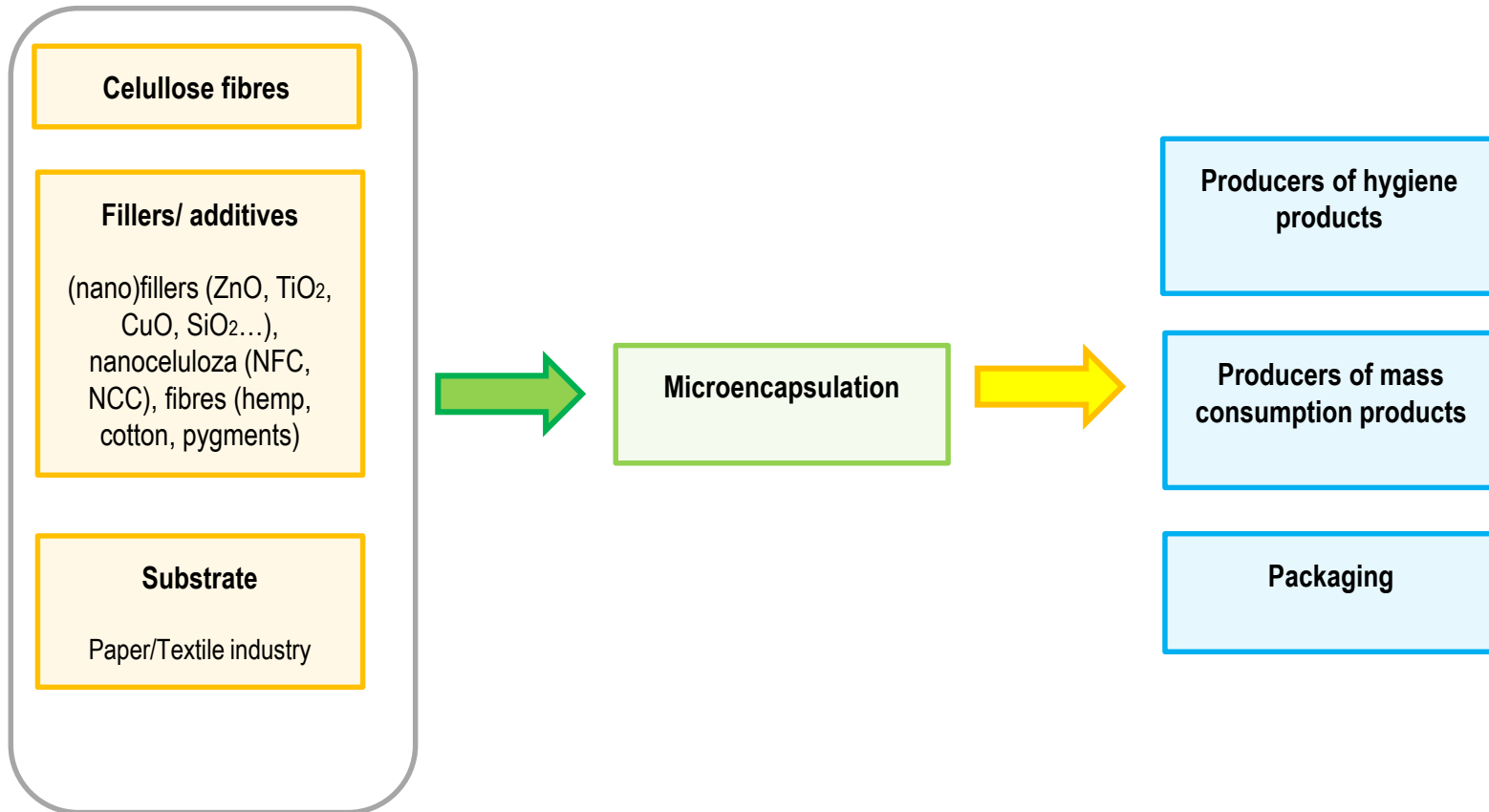
## Potential value chains – development and usage of Biopolymers

### Bio packaging for food and cosmetics



## Potential value chains – development and usage of Biopolymers

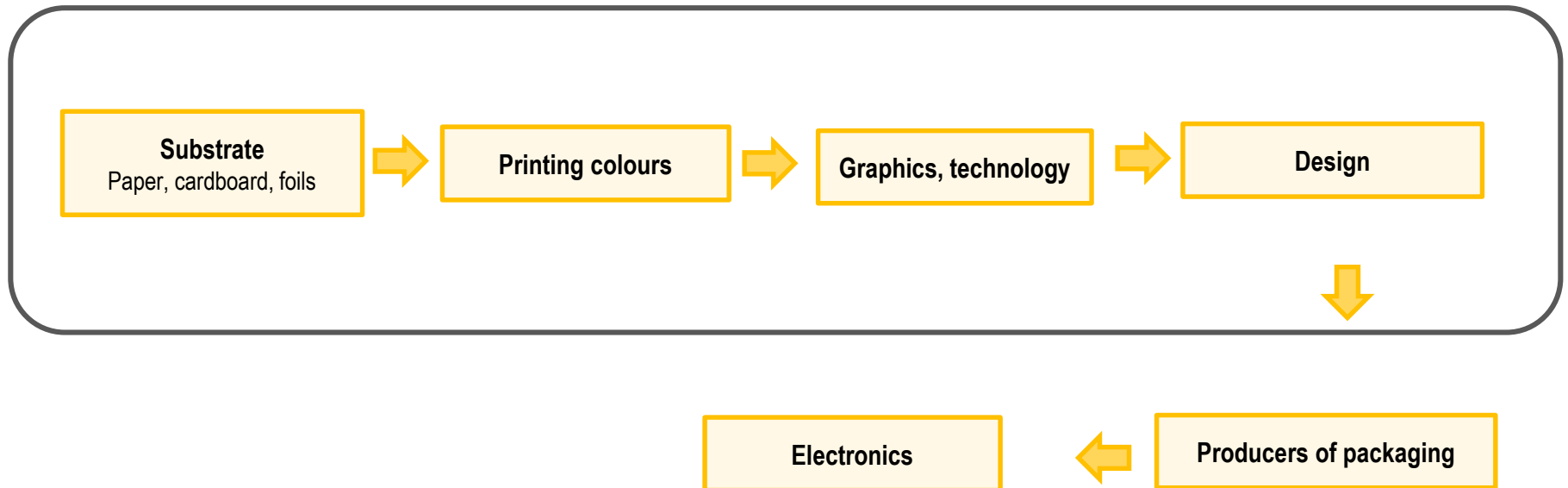
### Encapsulation for biopolymers





## Potential value chains – development and usage of Biopolymers

### Printed electronics



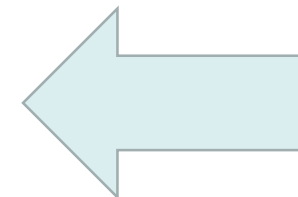




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Poslušati

Sodelovati

Verjeti



