



## The Project

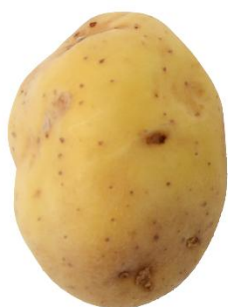
### *Biopolymer packaging made from waste potato peels*

- Developed a biodegradable, compostable packaging material
- Based on potato peels, a by-product of the food industry
- Initial tests included orange peels and barley husks
- Potato peels proved most suitable for strength and bonding
- Technique refined to fuse layers with high-temperature pressure
- Result: a functional, durable packaging prototype
- Showcased as pasta packaging at the Academy of Arts and Design (Ljubljana, 2024)
- Promotes circular economy: waste as a valuable design resource
- Offers a sustainable alternative to synthetic polymer packaging
- Simple process, scalable, and rooted in local bio-waste

## Designer – Leja Rebolj

- Industrial design graduate from the Academy of Fine Arts and Design, Ljubljana
- Focused on sustainable materials, product & service design
- Passionate about material experimentation and circular solutions
- Developed Pomter by combining her skills in design and cooking chemistry
- Explores how discarded materials can become eco-conscious products
- Committed to merging design with environmental impact
- Seeks to create solutions that are practical, beautiful, and regenerative







“ Multi-stakeholder  
engagement to strengthen  
regional bioeconomy  
value-chains ”

### Consortium :



Bay Zoltán  
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for Applied Research



ArtEZ



Funded by  
the European Union



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