



ECONOVA LATVIA

# Polymer based waste as a resource for composite materials

EU LIFE Integrated Project "Waste To Resources Latvia - boosting regional sustainability and circularity"



## Waste types for composite materials

- SRF - Solid recovered fuels
- RDF - Refuse Derived Fuel
- Other (ASR, WEEE etc.)

MSW generation:

Globally 3,4 billion metric tons by 2050



## Content of composite materials

- Mixed plastics
- Rubber
- Textile
- Cellulose based fibers



## «COOKING»

- Reference properties
- Ratios
- Treatment of «ingredients»
- Production
- Testing (stages & scale)



## APPLICATIONS

- Outdoor wood and plastic substitutes
- Road construction



## PERSPECTIVES

- Recycling improvement
- Waste to energy competition
- Scalability





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# THANK YOU !

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