HUGO HRVATSKA UDRUGA ZA GOSPODARENJE OTPADOM

NATIONAL MEMBER OF ISWA International Solid Waste Association

STUDIJ INŽENJERSTVA OKOLIŠA

EPR challenges in Croatia

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Republic of Croatia

Population: 3.871.833
Area: 56.594 km2
No of islands: 1.244 ☺
Negotiation: 2004
EU member: since 2013

Transposition of EU law 100%

State run EPR

EPR – 2006

- **Deposit system**
- **Packaging**
- **WEEE**
- **ELV**
- **Bateries**
- **Tyres**
- **Oils**

2004 – Environmental Protection and Energy Efficiency Fund (EPEEF) – THE LAW

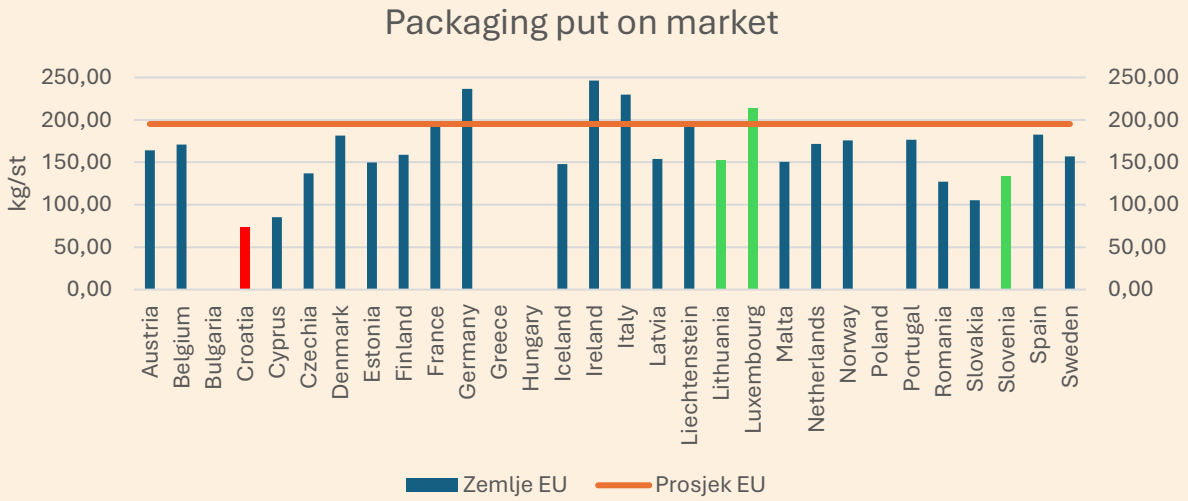
- Extra budgetary
- Legal entity with public authorities
- Reports to Croatian Government
- Spatial waste categories management
- Other environmental and energy efficiency issues
- www.fzoeu.hr

EPR 2006-2021

- Concession for recyclers and collectors (10-20 years)
- Development of the recycling network (monopoly?)
- Producer fee – defined by regulation
- Recyclers and collectors fee defined by regulation
- No change or small change of fee
- High fee amounts for collectors and recyclers to avoid cherry picking (e.g. WEEE)

Challenges

- Identification (up to 2013 OK)
- Need for continuos development of the system
- Lack of producers control



EPR 2021-2025

- Public calls for operators (recyclers)
- Recyclers are obliged to provide collection network
- Fees remain almost the same
- Introduction of body „Council” for spatial EPR category

EPR 2025 - ongoing

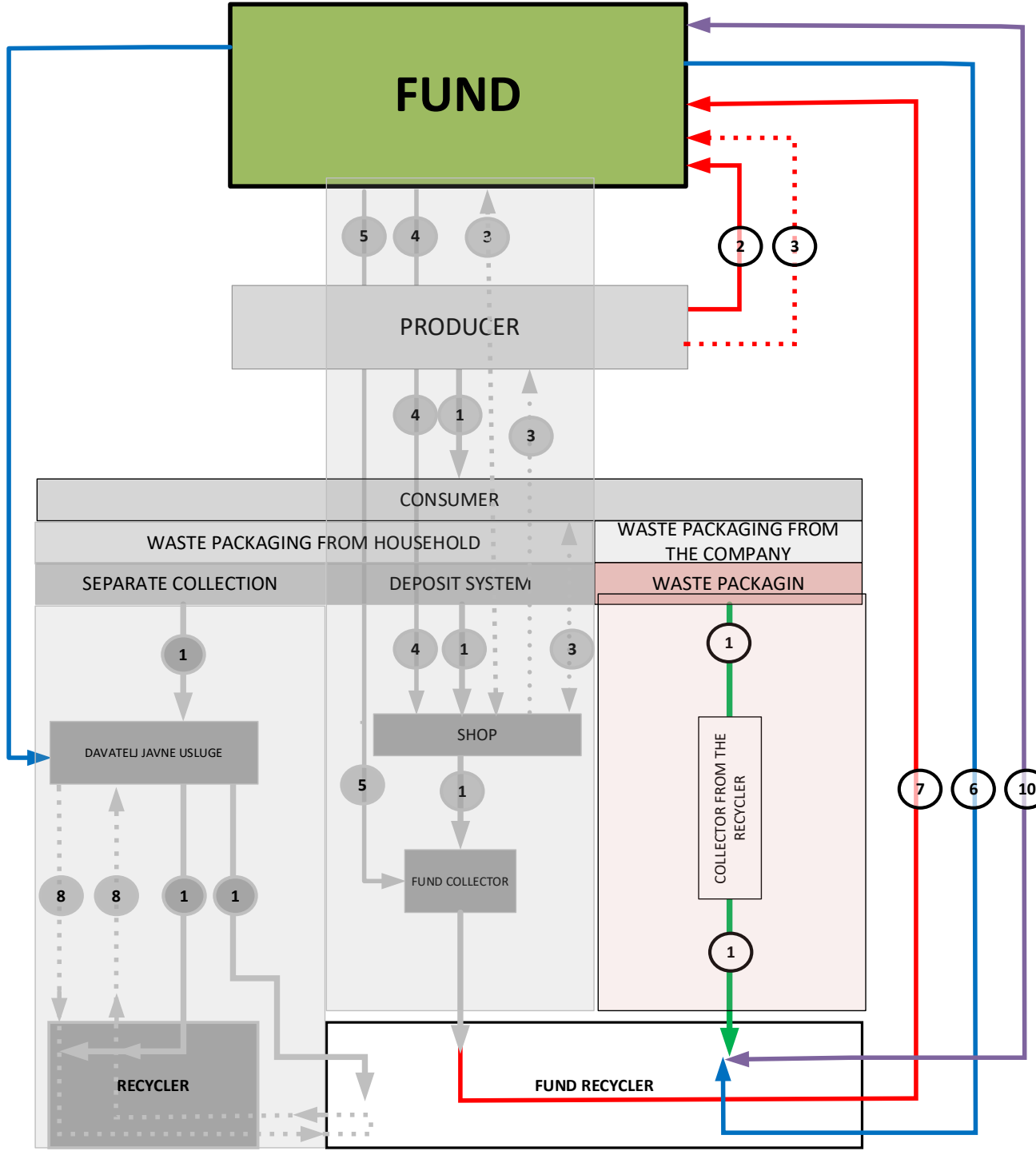
- **EPEEF – didn’t developed with the system needs (lack of capacities)**
- Introduction of full cost system
- Political approach in new cost calculation
- Lack of recycling capacities for new categories
- Fee calculation challenge
- RSWC digital

HOW TO CALCULATE?

LEGEND

OA - waste packaging
SPN - deposit system
waste flow
Fund income
Fund expenses
Fund income/expenses

1. Waste packaging flow
2. Waste management fee
3. Return fee
4. Cost of takeover
5. Fee for Fund collection
6. Fee for treatment
7. Incom of seling the packaging
8. Finances out of Fund system
9. Fee for MSW public collection
10. Income due to selling the packaging or expese for treatment



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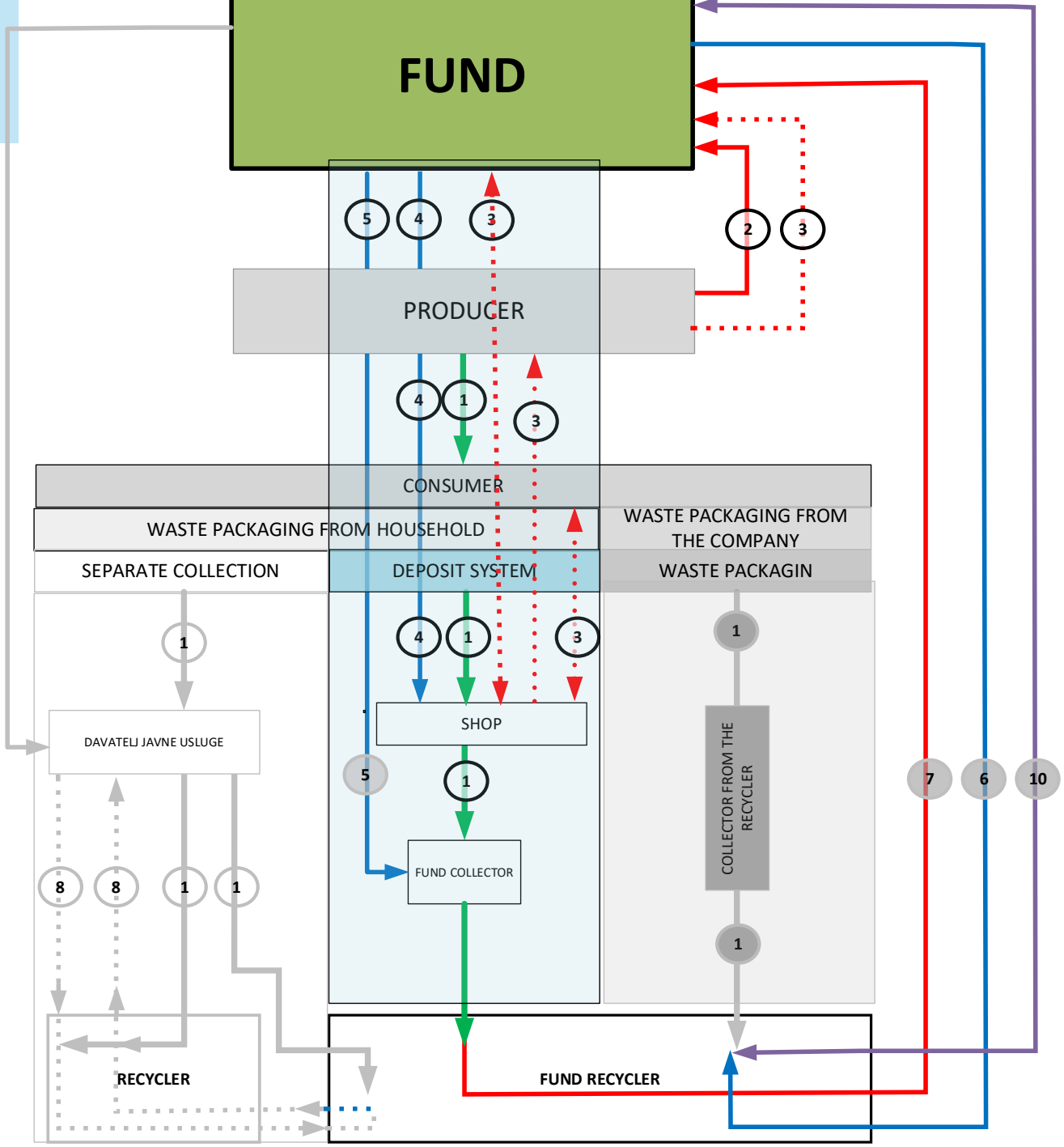

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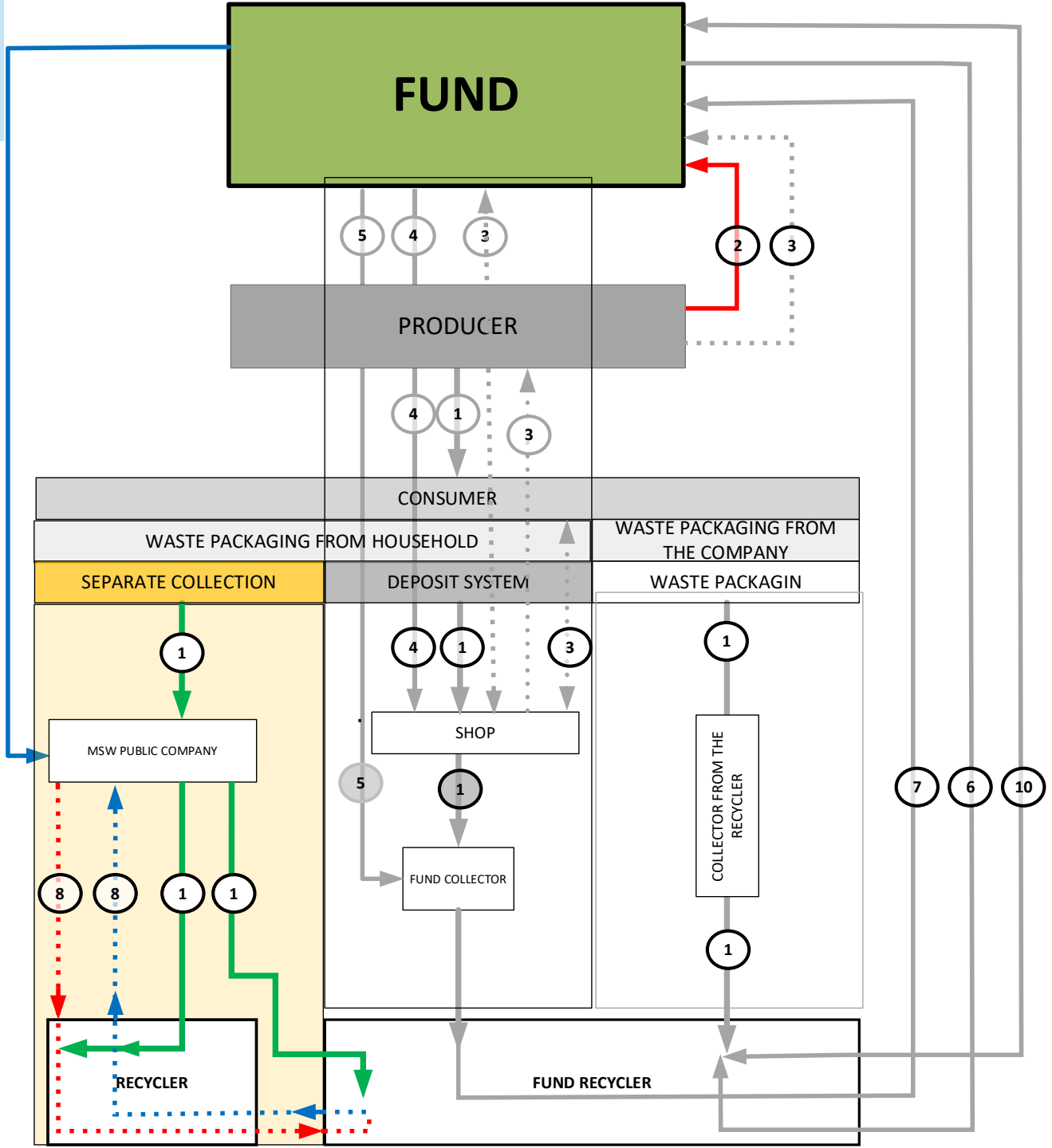

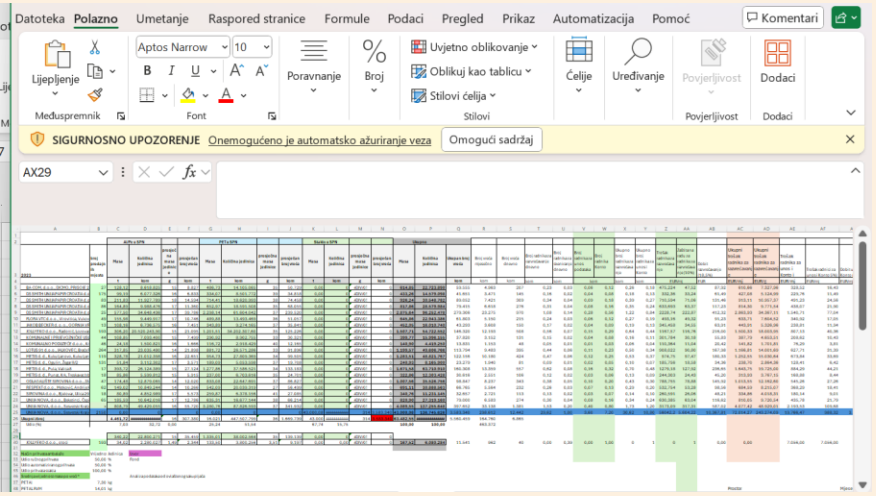

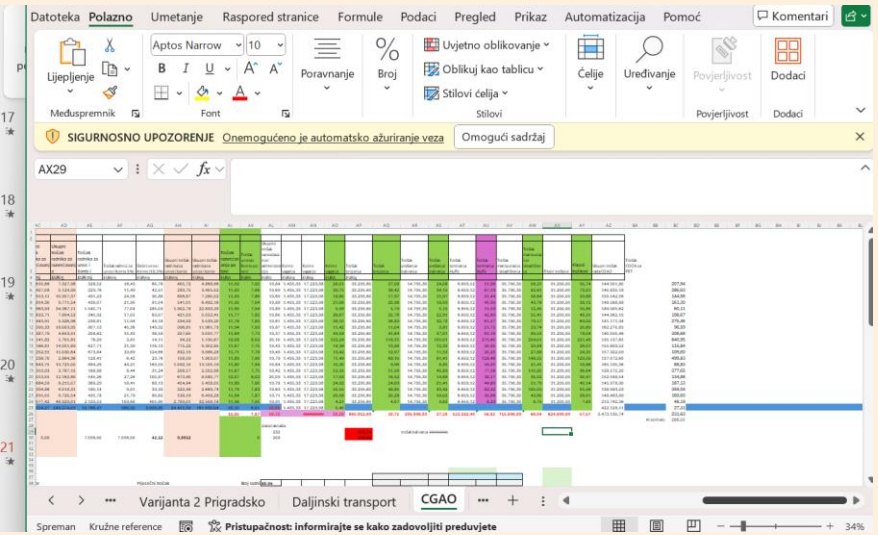

2023	Packaging t/g	Total cost EUR/y
PET	18.748,28	**14.969.171,75**
Al/Fe	5.574,03	**6.307.297,02**
Glass	52.435,31	**14.955.936,93**
Total deposit	76.757,62	**36.232.405,70**
Metal	11.211,96	**-257.444,00**
Glass	24.620,25	**5.873.202,88**
Plastic	66.262,33	**13.748.145,68**
Paper and carboard	107.567,55	**20.628.221,44**
Tekstile	55,75	**0,00**
Wood	28.735,69	**2.729.028,16**
Total out of deposit	**238.453,53**	**42.721.154,16**
Total	**315.211,15**	**78.953.559,86**

+

*** INFORMATION AND EDUCATION**
*** DATA COLLECTION**
*** REPORTING TO EU**
*** ADMINISTRATION**
*** 1% IN THE BUDGET**

ECOMODULATION
0-1
RECYCLABILITY
TOXIC MATERIALS
MULTILAYER
REUSE
% RECYCLE MATERIAL

Thank you!

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