

## Cargo bicycles for sustainable community

Udruga za održivi razvoj Hrvatske, short: UZOR Hrvatske (Organization for sustainable development of Croatia, short: EXEMPLAR Croatia) is registered NGO. Most of the work for the organization is done by the chairman, Matija Hlebar, founder of the NGO and also the creator of the project and Nenad Vajzović vice chairman and project coordinator. There are also people employed on this project as drivers of cargo bicycles.

Our project idea is based on a low-carbon separate waste collection system in the City of Koprivnica which has more than 30 000 citizens by employing socially vulnerable and marginalized groups. The first step in this system involves the separate collection of waste paper directly from the households. There are four key elements that add to the sustainability of this system:

1. „Eco-bicycle“ – is a special cargo bicycle with the carrying capacity of 100 kg of waste. It is used for free delivery and emptying of “eco-boxes” on our citizens’ doorsteps. Its energy consumption and greenhouse gas emissions are equal to zero.
2. „Eco-box“ – is a cardboard box manufactured from recycled paper and completely free for all our citizens. It is used for separate collection of waste paper in the households. Its use doesn’t generate any waste because when it has been used up, it can be recycled again.
3. „Eco-phone“ – a mobile phone used for communication with the citizens.

We use it to receive the citizens' demands for the delivery and emptying of “eco-boxes” in their households.

4. People – employees – “Eco-bicycle” drivers and “Eco-telephone” operators are recruited among the people with deprived backgrounds such as long-term unemployed, people with disabilities and minorities.

The benefits of the project are:

- More recycled waste
- Reduction of CO2 emissions
- Preservation of the forests
- Reduced water and energy consumption - especially fossil fuels
- Employment of vulnerable groups and their resocialization
- Involvement of marginalized groups in society and reshaping their image in community

Our results:

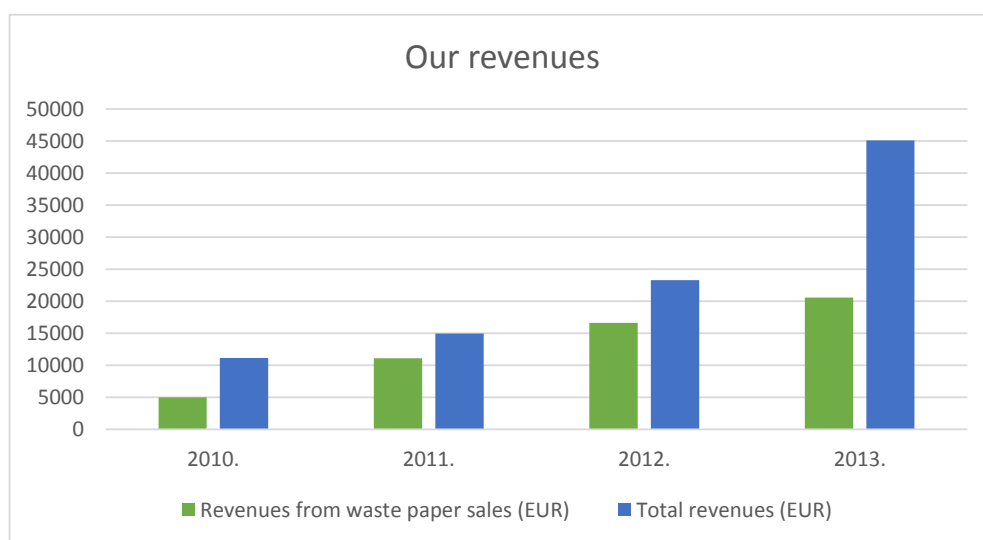
Indicators of influence	2010.	2011.	2012.	2013.
Number of employed	0	0	0	3
Recycled waste paper (t)	65	132	158	250
Number of trees saved	1105	2244	2686	4250



All the gathered waste paper is sold to our respectable business partner, Hamburger Recycling (<http://www.hamburger-ens.hr/>). It is important to stress out that all the money earned this way is being reinvested into the project and community either by upgrading and expanding our free service or by employing more people.

Our budget in last years:

	2010.	2011.	2012.	2013.
Revenues from waste paper sales (EUR)	4984	11086	16648	20567
Total revenues (EUR)	11127	14961	23313	45080



Our goals for the future are centered on two objectives. First objective is direct expansion in 20 km radius around City of Koprivnica, while second is expansion through franchising our social enterprise model. Main objective is to provide our service to more than 80% of our citizens in City of Koprivnica. Our projections for 2014 are: collecting 320-340 (t) of waste paper, employing two more persons from our own assets. Secondary, long term, objective is to create franchise of our social business model.