



Waste sorting, How to use a usage-pricing model for disposing of municipal solid waste to change the habits of town' citizens, increase the recycling percentage and decrease the total waste production.

Ind. Ing. Ambrosini Stefano

CEO Waste Management Specialist s.r.l. Brescia – Italy

Abstract:

Pay as you throw (PAYT) is a usage-pricing model for disposing of municipal solid waste. Users are charged a rate based on how much waste they present for collection to the municipality or local authority. Waste is measured by weight or size while units are identified using different types of bags, tags, containers or even RFID. Services for waste diversion, like recycling and composting, are often provided free of charge where pay-as-you-throw systems are implemented. The system is based by a waste collection door by door (kerbside) with 5 streams (food waste, plastic packaging and metals, glass, paper and cardboard and unsorted waste). The results after the introduction of the combined system (door by door collection and PAYT) are almost immediate (3/4 weeks from the start of the system). The secret of the system is the “Invisible Hand” effect generated by the combination of the available volume reduction for the undifferentiated fraction conferring and the creation of a personal saving potential of each individual user.

Biography:

Stefano Ambrosini is an Industrial engineer specialized in Waste Management & IT.

CEO of Waste Management Specialist Ltd.

Town councilor of Gardone Riviera municipality from 2009 (3rd mandate).

His background studies are in Information Technology (ITIS Benedetto Castelli – Brescia), International Politics



- Scandinavian Government & Politics University of Oslo (Norway) and Russian Foreign Policy (MGIMO – Moscow – Russian Federation).

Publication of speakers:

1. Anastasia S. Panfutova, Artem I. Khrebtov, Stefano Ambrosini et al.: Optical limiting as result a of photoinduced electron transfer in hybrid systems with CdSe/ZnS quantum dots, C60 and Perylene; 2012; 10.1364/OL.37.003948
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3. LindaVignozzi, SandraFilippi, AnnamariaMorelli, StefanoAmbrosini, et al : ORIGINAL RESEARCH—BASIC SCIENCE: Effect of Chronic Tadalafil Administration on Penile Hypoxia Induced by Cavernous Neurotomy in the Rat; 16 December 2015; 10.1111/j.1743-6109.2006.00208.x

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