

STATUS AND PERSPECTIVES IN PLASTIC PRODUCTION, CONSUMPTION AND PLASTIC WASTE MANAGEMENT IN ROMANIA

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Present situation of plastic production and consumption as well as collection and recycling/recovery of plastic waste in Romania is described. Joining EU in 2007 Romania faces new regulations and market competition while still suffering from severe changes after falling of communism. Government and non-political organizations in the field draw up strategies and special programs for waste management, mainly in the area of recyclable industrial waste. There is a high amount of potentially recyclable plastic waste but implementation of a national integrated system for collection of recyclable waste is still necessary. The recycling capacities are now in excess; they will develop accordingly, as the quantity of collected waste increases. The regulation on packaging and packaging waste will supplement the legal framework needed to develop the recycling of plastic waste.

A significant progress comparatively with other European countries is realized in recycling of the PET bottles as flakes, straps, monofilaments and non-woven textiles by using Xindacheng Extrusion at GreenTech SA Buzău. 100% recycled PET flakes as raw material is delivered to Ukraine. The technology produces highly decontaminated flakes with low water consumption by an environmentally friendly washing process with low chemicals consumption, recycling process running with a low need of manpower.

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Preferred form for presentation - oral