## CORRUGATED CARDBOARD AS AN ELEMENT OF RECYCLING LOGISTICS

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Nowadays corrugated cardboard is one of the most common packaging materials in the world due to its advantages such as high strength and density, air permeability, low cost, impact resistance and naturalness.

Corrugated cardboard packaging ensures the effective use of natural resources during the entire life cycle. In 2006, Institute for Energy and Environmental Research (IEER) made an examination and confirmed that cardboard packaging pollutes the atmosphere considerably less, makes less contribution to the formation of greenhouse gas emission and to the depletion of mineral resources in comparison with the packaging made of petroleum products.

After using corrugated cardboard for its intended purpose, it is to be utilized or recycled. The recycling of corrugated cardboard allows to the recovery of up to 80 % of cellulose fibers and promotes the preservation of valuable forests. Corrugated cardboard is capable of decomposing in the environment without doing any harm.

There are some enterprises in the Republic of Belarus that are engaged in the production of corrugated cardboard such as Bellesbumprom concern, Belpromtara OAO (Open Joint-Stock Company), ART-PACK Ltd., AQUAPACK INDUSTRIAL OOO (Limited Liability Company), Unitary Production Enterprise Cardboard Factory KARIZ, etc.

At present, the COVID-19 pandemic is still the issue of the day. The ubiquitous self-isolation in the first half of 2020 led to an increase in demand for packed-up goods, especially for food products in the carton. After a while, the production of the carton has increased. A growing number of online orders has led to an increase in demand for corrugated cardboard packaging. Thus, the global market of printing on corrugated cardboard has grown from \$ 114,5 billion to \$ 128,8 billion due to the expansion of corrugated cardboard use as packaging.