

Comparison of Ecoducts Structure Systems in the Region of Central Europe

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Keywords:

Sustainable, structures, fragmentation, ecoducts, Central Europe.

Abstract:

Construction of huge road structures such as expressway and motorway roads cannot bring irreversible effects or damages of biological relations which in case of road structures can affect large areas or can bring isolation of populations. High capacity and intensively used roads makes mainly for bigger mammals with difficulty overcome barriers that cause fragmentation of landscape and populations. For maintaining possibility of animal migrations are in present for newly constructed highways and motorways in place of biocorridors designed special structures – *ecoducts*. These structures serve for minimization of animal population fragmentation. The paper deals with a comparison of a current state in ecoducts build-up in Central Europe region. It compares different shapes and types of construction systems, construction technology and discuss their advantages and disadvantages with respect to their usage for animal migrations.