

**Abstract:**

European Green Belt, a biological corridor and a remnant of the Iron Curtain, intersecting Europe from the north to the south and extending from the shores of Barents Sea to the shores of the Mediterranean and Black Sea, is utterly unique phenomenon not only because its diversity, position and extend. By the fall of the Iron Curtain in 1989 significant fragmentation of this area has begun. In this thesis a literature research of landscape connectivity and structure was done. Development of landscape structure in the area of European Green Belt from 1990 to present and its fragmentation was compared in practical part of the thesis.

**Key words:** European Green Belt, landscape structure, landscape fragmentation, landscape connectivity