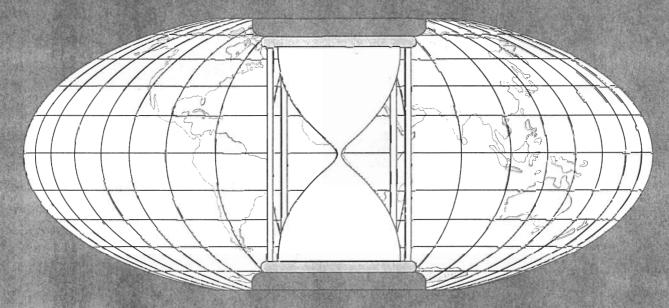
VII INTERNATIONAL CONGRESS OF ECOLOGY

## MECOL.



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## **PROCEEDINGS**

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## SPATIAL PATTERNS OF GRASSHOPPER POPULATIONS AND COMMUNITIES IN GRASSLAND LANDSCAPES.

An analysis of the spatial organization of populations and communities is critically important for the evaluation of evolutionary trends and and conserving biological diversity. Another important thing is associated with long-term forecasting. We studied the spatial distribution patterns grasshopper populations and communities in grass landscape of temperate Eurasia and North America from 1976 to 1997. We evaluate grasshopper diversity, distribution and abundance along long profiles consisting of local transects (from flood plains to plains or montane slopes). Appropriate techniques of counting and collecting have been used. On the plains, we describe four types of population distribution for each species: material region) and local (i.e., in-basin). Evaluation of distribution patterns in anthropogenic landscapes are prospective at these levels. Compared to population distributions of all species is useful to understand grasshopper coexistence. Patterns of community distribution are very community distribution are very community distribution are very community distribution and content and content and content and content and content are content and content and content and content and content and content are content and content are content and cont

cated. Each geographic (and biogeographic) region includes its own set of communities, including those forming in anthropogenic landscapes a result, succession systems can be very different in neighboring regions.