

# 2ND EUROPEAN CONGRESS OF MAMMALOLOGY



## ABSTRACT BOOK

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## **SECOND EUROPEAN CONGRESS OF MAMMALOGY**

### **Mission Statement**

The Second European Congress of Mammalogy aims to bring together mammalian biologists from all over Europe to meet, to share research experience and expertise, and to develop closer collaboration between partners in different European countries.

### **Venue**

The 2nd European Congress of Mammalogy is being held at the University of Southampton, England between 27 March and 1 April 1995.

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**2ND EUROPEAN CONGRESS OF MAMMALOLOGY**

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**SOUTHAMPTON UNIVERSITY  
ENGLAND**

**ABSTRACTS**

**OF**

**ORAL AND POSTER PAPERS**

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## **S1. POPULATION GENETICS**

### **ECOLOGICAL AND NON-METRIC SKULL VARIABILITY OF BANK VOLE (CLETHRIONOMYS GLAREOLUS) INHABITING TWO FOREST BIOTOPES AND ECOTONE**

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Analysis of the social and spatial structure and craniometric parameters of bank vole population has revealed the specificity of animals inhabiting the neighbour biotopes (AW - alderwood and PF - pine forest) and ecotone (E) between them. The aim of the present study was to assess possible non-metric differences among AW, PF and E. A total of 159 skulls were studied for 30 non-metric traits. The mean measures of divergence (MMD) between samples were calculated by Smith's formula. The samples from AW and PF differed significantly. This fact confirms our previous suggestion that animals from AW and PF represent distinct subpopulations. MMD-distance between AW and E was not significant. So, animals from E and AW were genetical similar. This fact agree well with previous results about more intensive individuals' moving from AW to E than in the reverse direction. Thus, the resemblance of E and AW animals seems to have the same genetical basis.