

$(\dots ; \varepsilon'' -)$ (\dots) $T(t)$ $T_m(x)$, (\dots)
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 (\dots) $r < -0,9$. 1985 . r -0,12, -0,21.
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(-0,67, - < -0,8). -
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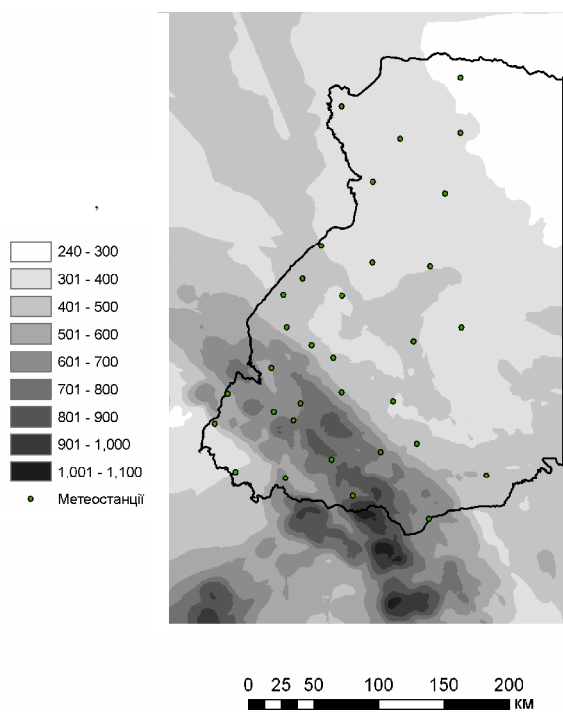
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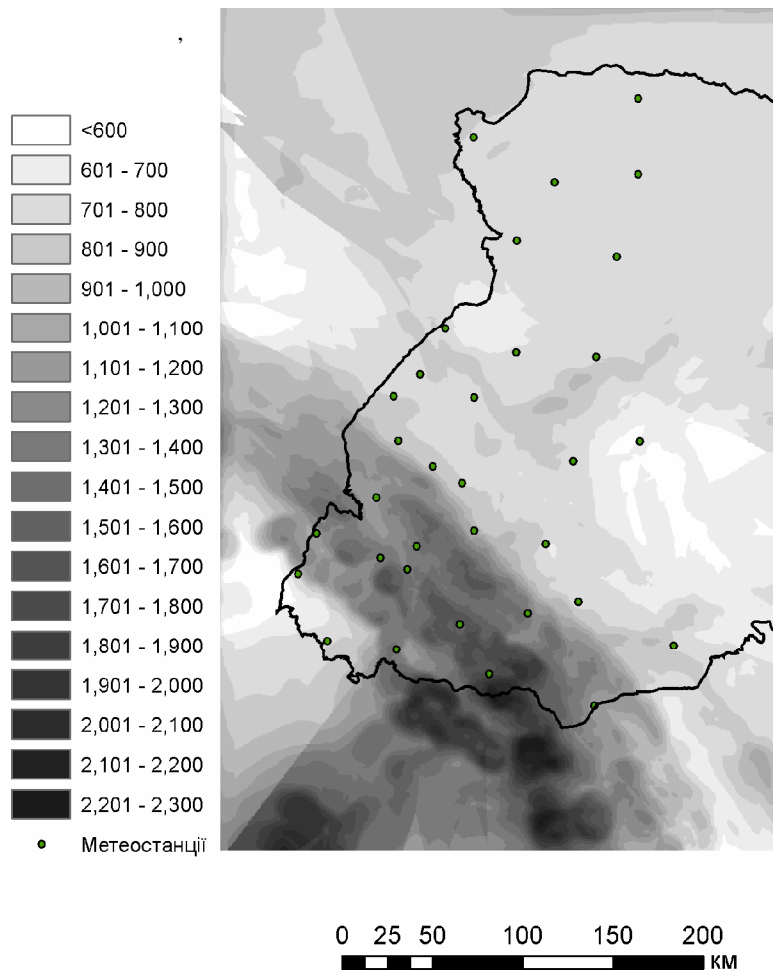
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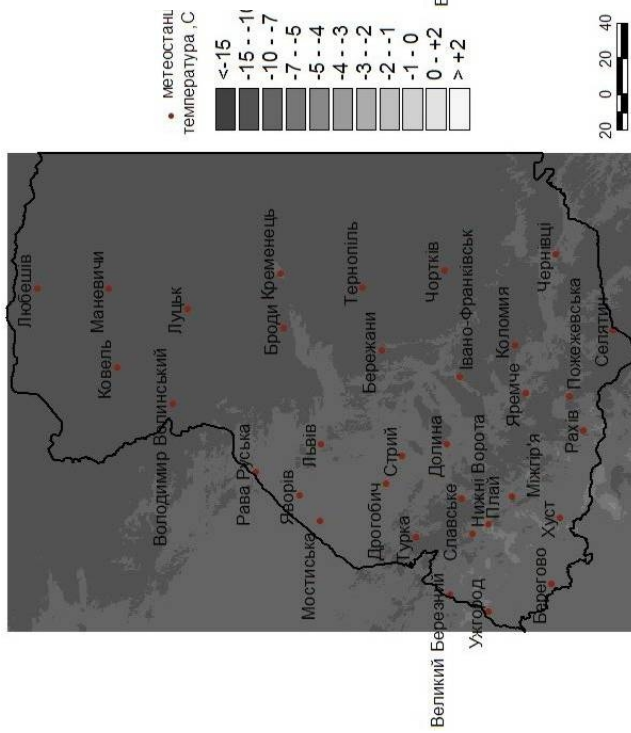
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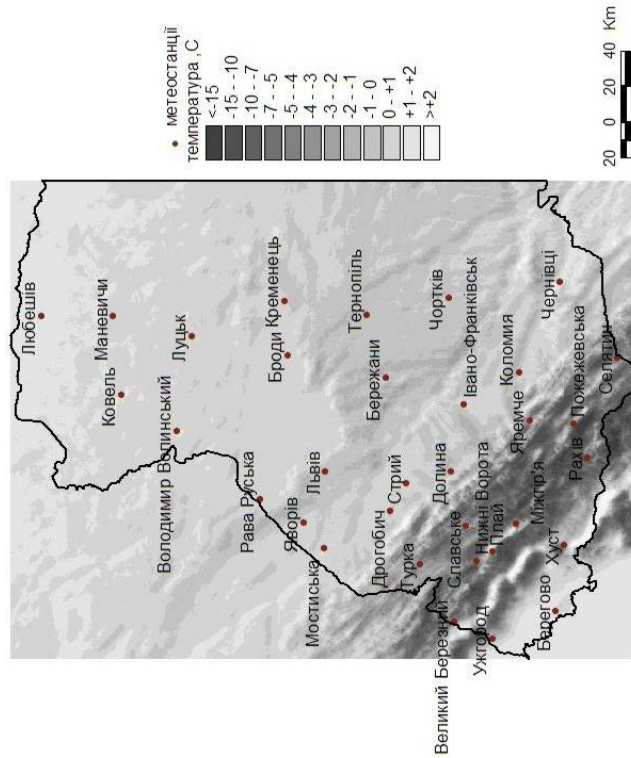


.2.

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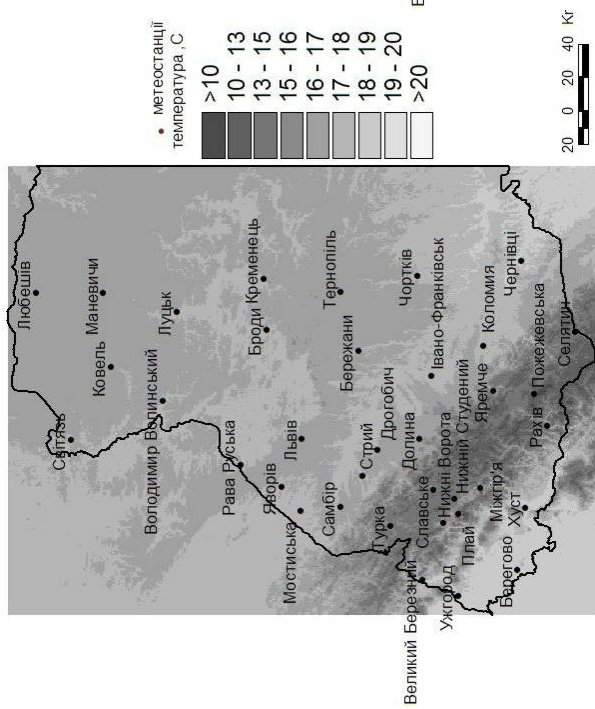
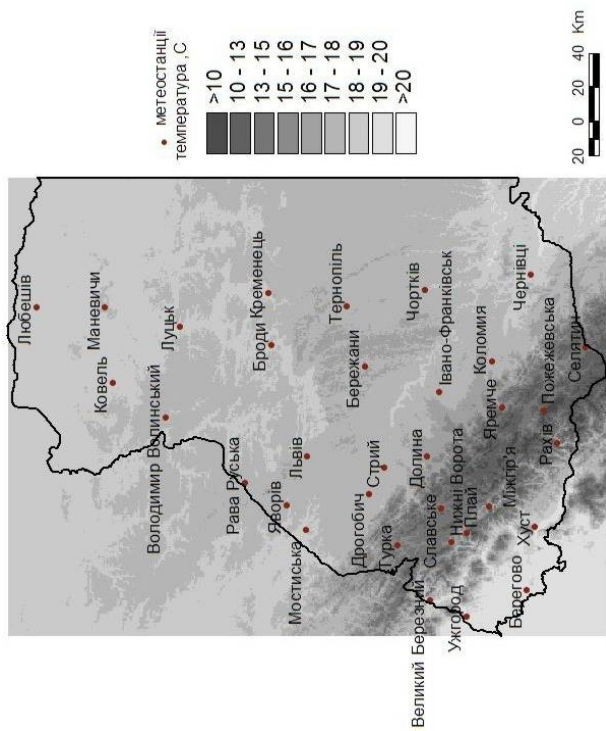
.3.



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. 5.

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1989 .

1. ... / ... , 1984.
2. ... / ... , 1989. ... 10, ... 1–12, 1961, 1970, 1985, 1989.
3. ... / ... , 1987.
4. ... / ... , 2003. 175 .
5. Hengl T., Heuvelink G., Rossiter D. About regression-kriging: From equations to case studies / T. Hengl, G. Heuvelink, D. Rossiter // Computers & Geosciences. 2007. N33. P. 1301–1315.
6. Ustrnul Z. System informacji geograficznej jako narzędzie do konstrukcji cyfrowych map klimatycznych / Z. Ustrnul // Klimatyczne aspekty środowiska geograficznego. Pod red. J. Trepinskiej i Z. Oleckiego. Krakow, 2006. P. 365–374.

A METHOD FOR GEOSPATIAL MODELING AND MAPPING OF CLIMATIC CHARACTERISTICS FROM METEOSTATION OBSERVATION DATA

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In the paper the fundamentals of the method of geospatial modeling of climatic fields based on multiple regression analysis and geostatistics are given. This method is promising as a tool for the optimization and formalization of the climatic mapping techniques and the improvement of the precision and reliability of climatic maps.

Key words: geospatial modeling, climatic characteristics, land-surface parameters, geostatistical interpolation.

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