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Motivation

could lead to undesirable extrem situations, and the extra water which is posible to be obtained from new sources.

climate change, will be the input for the future water-resource system.

interpolated in the whole area. The area was divided in grids of 1000*1000 m². Schematic it can be seen in figure 1.



The method of interpolation was External-drift-kriging (Ec. 1)

the years.







Federal Ministry of Education and Research

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Megacity projekt: LiWa, climate and water balance modelling Alejandro Chamorro and Andras Bárdossy

$$(-u_j) + \mu_1 + \mu_2 Y(u_i) = \gamma(u_i - u)$$
 $i = 1,...,$

$$\sum_{\substack{j=1\\j=1}}^{n} \lambda_j = 1$$
$$\sum_{\substack{j=1\\j=1}}^{n} \gamma_j Y(u_j) = Y(u)$$

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<u>alejandro.chamorro@iws.uni-stuttgart.de, andras.bardossy@iws.uni-stuttgart.de</u>















It can be seen in these figures the diferences in precipitation amount for the years 2005 and 2006. Daily interpolation will be the basis for the input in hidrological moddelling.

Casapalca has an elevation of 4150 m and San Cristobal an elevation of 4600 m





EGU, Wien 2010