**Climate Functions**

Advice for the Planning out of Climatic Aspects

**Relief Areas**

Area 1a

Area 1b

**Relieved Areas**

Area 2

**Transition Areas**

Area 3

**Load Areas**

Area 4a

Area 4b

**Wind Systems**

← relief-related air channels (e.g. Havel-/Spree-Niederung, Wuhletal)

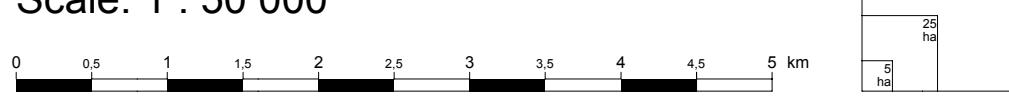
↔ local movements of cold air from large green areas into the overheated surrounding areas in low-exchange weather situations (plain-wind effect)

1. The climatic functional areas were delimited on the basis of the maps of the Long-term Mean Air Temperatures 1961-1990 (04.02), the Urban Climate Zones (04.05), the Surface Temperatures at Day and Night 1961-1990 (04.02) and the Wind Systems 1961-1990 (04.02). In the process consideration was given not only to the location of the respective forms of land-use in relation to the city-center, but also its interaction with neighboring forms of land-use.

2. All maps were updated for Berlin on basis of a monitoring system for changes in settlement areas which are important for the whole city by the ministry for urban development on the level of the year 2000. Projects which were already started and will be realized until 2002 were also taken into account.

3. Due to the generalized representation no precise statements can be made. For delimitations true to detail more specialized investigations are required. The exchange-areas are represented schematically. The exchange-patterns are based on the results of the monitoring system. The representation of relief-related air channels is based on the Relief Map of the German Planning Atlas - Atlas of Berlin. The ventilation currents towards the high-pollution area are represented. Only areas within or in direct vicinity of the areas 4a/b are represented as areas with plain-wind effect. In addition plain winds can arise in the domain of any large green areas.

Scale: 1 : 50 000



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Based on the Maps:

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Digitale Grundkarte 1 : 50000 (Blockkarte), Stand: Januar 2001, Senatsverwaltung für Stadtentwicklung, IX B 2 (Informationsystem Stadt und Umwelt), statistische Blöcke (schwarz), Bezirksgrenzen (rot)

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