Climate change in Moscow in different building-up scenarios (simulation with simple urban canopy model)



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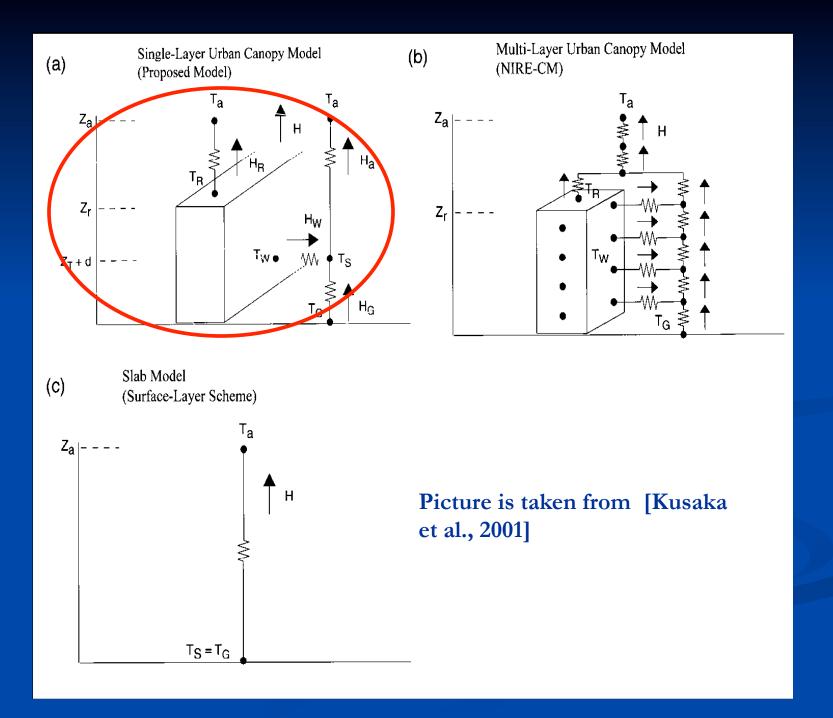
Department of meteorology and climatology, Moscow state University, Russia

Structure of developed model complex.

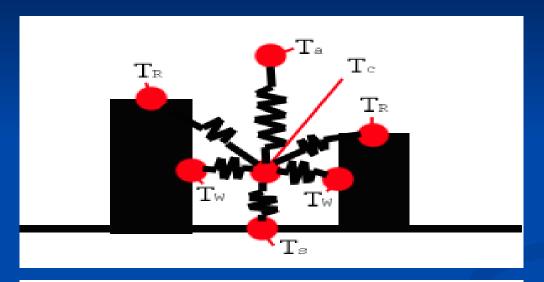
Global Circulation model

Urban canopy model

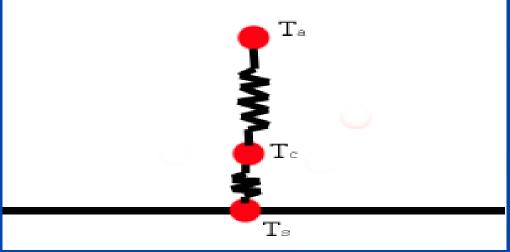




Energy fluxes and temperatures in canyon type cells and non-canyon type cells



Canyon type cells (2 types)



Non-canyon type cells (4 types):
Park
Water (river)
Industrial zone
Asphalt

STRUCTURE OF NUMERICAL EXPERIMENTS WITH A CLIMATE OF THE FUTURE (2500 AND 2100)

Results of the international project CMIP3

Global Circulation model

Microclimatic model



Results





Thank you for attention!