Urban air quality evaluation scenario with the use of inverse modelling and air quality monitoring data

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Air quality modelling cycle with Data assimilation

**Meteorological values are calculated WRF and**

**Inverse problem solution**

**Adjoint equations**

**Inverse problem with a priori information**

**A priori information on sources**

**References**

3. Department of natural resources and environmental protection of Novosibirsk region. On the state and environmental protection of the Novosibirsk region in 2015, Novosibirsk, State report 2016. [Online]. [In Russian]
6. Penenko A.V., Gochakov A.V., Antokhin P.N., Kolker A.B. Modelling the pollutants propagation in urban environments based on the solution of the inverse source problem with air quality monitoring data and the use of a priori information [In Russian, submitted].