

SIMULATION OF TRANSBOUNDARY AIR POLLUTION TO AND FROM GREECE

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ABSTRACT

The European Zooming Model (EZM) is applied to study the air flow and the transboundary air pollutant transport in a 1500 x 1500 km² area on the Balkan Peninsula. In an attempt to establish source-receptor relationships, the import-export pollution balance is calculated between Greece and its neighbouring countries. Results indicate that Greece is essentially a receptor of SO₂ coming mainly from its northern and western boundaries while being an emitter of NO_x mainly to the south.