

Ecosense. A New Approach in Environmental Modelling

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Abstract

EcoSense is an integrated model for impact pathway assessment and has been successfully used by numerous studies on air pollution impacts. Various databases, including data on emissions, meteorology and population distribution, are linked to the program system. These are used together with air quality models for the estimation of impacts from air pollution (including the pollution generated by power plants). The impacts to be considered are human health effects (from SO₂, CO, O₃ and particles), impacts on crops (from O₃, SO₂, Nitrogen and Sulphur deposition) and impacts on buildings (from SO₂, wet acid deposition, and particles). This work will provide a broader basis for impact pathway assessment than used in former calculations and will be used to analyse the changes in environmental impacts and their attribution to the power plants activities.

References:

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