

INTEGRATED ASSESSMENT OF AIR POLLUTION AND GREENHOUSE GASES  
MITIGATION IN EUROPE

JANUSZ COFAŁA, MARKUS AMANN, WILLEM ASMAN, IMRICH BERTOK, CHRIS  
HEYES, LENA HÖGLUND-ISAKSSON, ZBIGNIEW KLIMONT, WOLFGANG SCHÖPP,  
FABIAN WAGNER

**Abstract:** Paper discusses integrated assessment methodology of air pollution and greenhouse gases mitigation. RAINS/GAINS model developed at the International Institute for Applied Systems Analysis (IIASA) is described. Its use in policy-relevant analysis is discussed with particular focus on studies for the development of policies of the European Union and under the UN/ECE Convention on Long-Range Transboundary Air Pollution (CLRTAP). Importance of interactions and synergies between air pollution and greenhouse gases policies is stressed. Integrated assessment has proven to be an important tool for preparation of air pollution control legislation in Europe. Although most prominent applications of integrated assessment referred to international policies, recently these methods have been applied in several national studies for in-depth analyses at sub-national regional level. It is advisable to further disseminate applications of the methodology and software tools for regional assessment.