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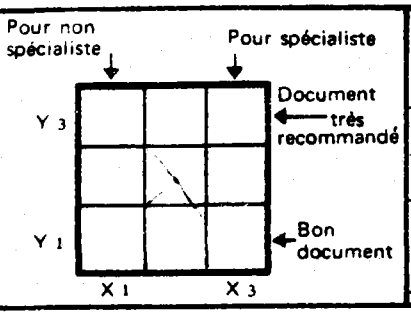

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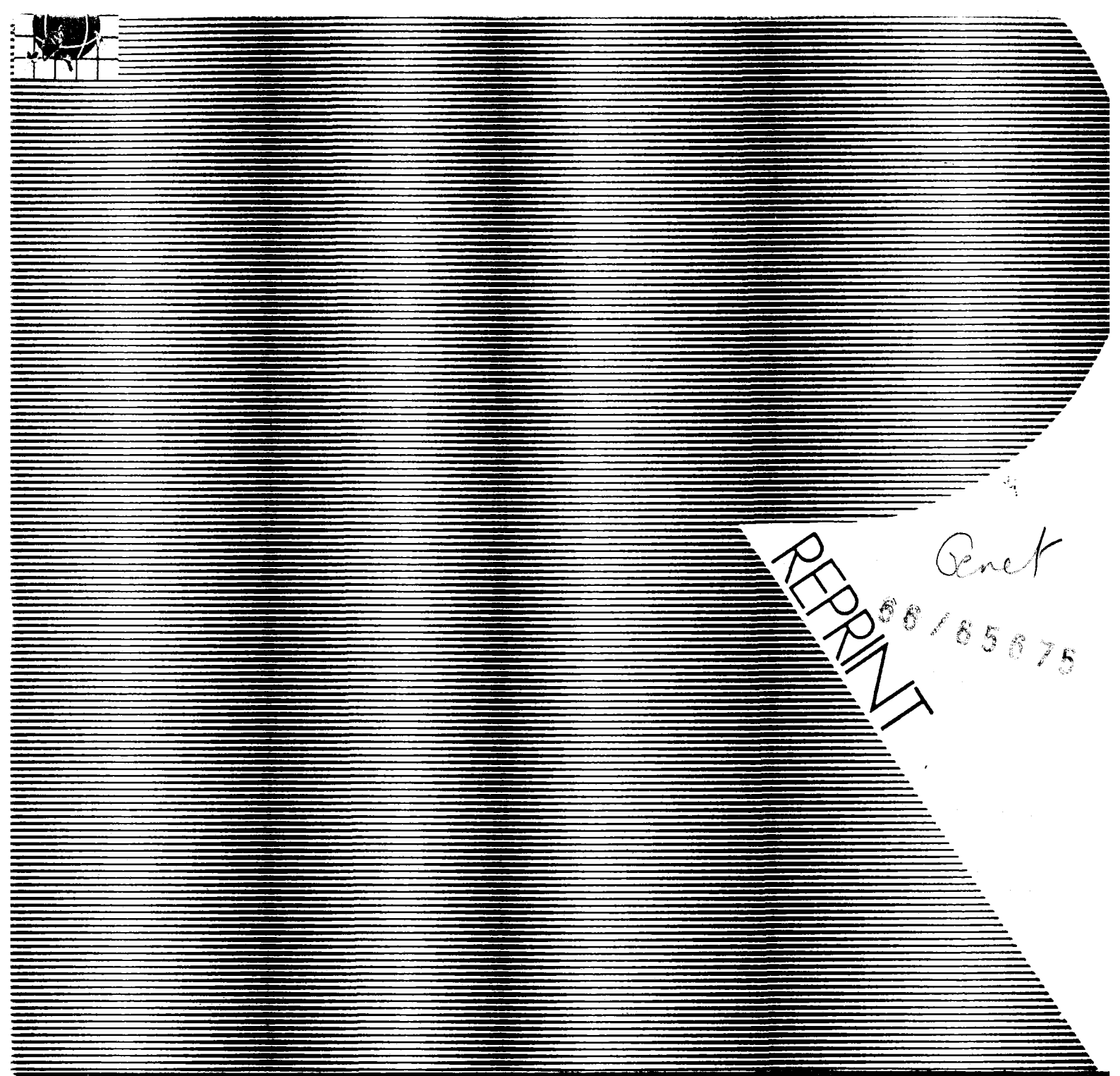

Acidification of Forest Soils

Pekka Kauppi, Juha Kämäri, Maximilian Posch,
Lea Kauppi, and Egbert Matzner

FOREWORD

IIASA's Acid Rain Project was launched in 1983 to provide a set of linked models that describe acidification and its regional effects in Europe. Currently, the interactive model RAINS (Regional Acidification INformation and Simulation) consists of sub-models for energy scenarios, SO_2 emissions, control strategies and their costs, forest soil acidification, lake acidification, groundwater sensitivity, and direct effects of sulphur on forest growth.

In this report the authors present a model formulation for the acidification of forest soils. Since submission of the paper to *Ecological Modelling*, the model has undergone several improvements. Moreover, the graphic presentation of the model's results has changed considerably. However, the basic assumptions underlying the model have not changed drastically.

I am convinced that the RAINS approach improves our understanding of long-term effects of acidification on our environment. Of course, much remains to be done, but first steps have been taken.

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