

Veroustraete, F., Ceulemans, R.J.M., Impens, I.I.P., Van Rensbergen (ed.): **Vegetation, Modelling and Climatic Change Effects**. - SPB Academic Publishing bv, The Hague 1994. 250 pp. NLG 75.00

This book contains papers presented at a workshop on "Vegetation, Modelling and Climatic Change Effects" which took place at the University of Antwerpen in Wilrijk in February 1993. It is not a proceeding of the workshop, but rather compilation of the most important, invited papers, summarizing results of several multidisciplinary research projects. Effect of changing climatic factors on vegetation is dealt with in the first half of the volume. As usually, most effort was devoted to the effect of elevated CO₂ on some of the most widespread and important plant species like spruce (exposed in open-top chambers in Vielsalm, Belgium), spring wheat (Wageningen, The Netherlands), potato and poplar trees (both in Wilrijk, Belgium). The results are well documented by numerous tables and figures. Only one contribution is describing effects of UV-B radiation (on bean plants). The second part of the book is devoted to the use of remote sensing in vegetation studies and in assessing evapotranspiration and photosynthetic activity on regional scale. Predictive value of remote sensing with regard to vegetation responses to climatic changes is also discussed. All the contributions selected for the reviewed book are presented in a uniform style (as standard journal papers) and their scientific quality is remarkably high. The value of the book is further increased by careful editing, printing, and also by a detailed subject index. It will be undoubtedly useful to all interested in global change research and in remote sensing of vegetation responses to environmental factors.

J. GLOSER (*Brno*)