



**TOWARDS AN INTEGRATED VIEW OF THE CARBON FLUXES: FROM
THE COMPUTATION OF CO₂ SINKS AND SOURCES TO
ENVIRONMENTAL EDUCATION**

Evangelinos, I K and Fyllas, N

University of the Aegean – Mytilene University Hill

ABSTRACT

At the University of the Aegean, the Council of the Rector has decided to promote the ‘greening’ of the University and has progressed in developing and implementing relevant environmental policies. In the context of integrated environmental management, particularly in courses such as the MSc in Agriculture and the Environment in the University of the Aegean, the monitoring of carbon fluxes could be considered both as a “duty” and as an educative experience. Furthermore the achievement of a neutral carbon budget should have a number of positive results in the university community’s ethos as well as to the relations with external stakeholders. The purpose of this study is to integrate the diverse approaches on the carbon budget and to trigger the active participation of students and researchers in a quantitative exercise. The outputs span from the quantification of the University Hill related carbon sources and sinks, to the development of a www site where students and civilians are informed about global change derived problems. In this paper, an overview of the exercise is presented; the computation of the University Hill’s carbon fluxes and the designing and development of an interactive web-based tool aiming to inform, educate and promote active participation in the environmental policy measures undertaken in the university of the Aegean. The potential of integrated environmental management approaches incorporated in the educational process to promote change in organizations such as the university of the Aegean is assessed.