

## SCIENTIFIC REPORT by Dr. N. R. DALEZIOS

During my STSM in Istanbul, Turkey, I was with Prof. Dr. Levent Saylan, Department of Meteorology, Technical University of Istanbul, Turkey. This STSM covered two parts. The first part included exchange views, presentation of research activities and a seminar by Prof. N. R. Dalezios. The second part involved a thorough examination of the possibility to develop a joint research project.

The first part covered information exchange on current research activities within the Department of Meteorology, such as climate variability studies, crop yield modeling, solar energy project, remote sensing potential in agrometeorology with a visit to Remote Sensing Centre of the Technical University of Istanbul. Moreover, a seminar-lecture was organized and given the grantee (N. R. Dalezios) entitled: "Climate Change and Water for Vulnerable Agriculture: Impacts and Adaptation".

The second part consisted of the joint research potential. A region was selected as a study area including Thrace of Turkey, Thrace of Greece and southeast part of Bulgaria. The research is expected to involve climate variability / change analysis, impacts to agriculture, crop yield modeling, extreme events (droughts) analysis and potential adaptation measures.