



## Soil Water Balance for Lysimeter station Kleče

**B. Bračič Železnik** (1,1), V.Zupanc (2,2), M. Pintar (3,2)

Example: (1) Public Water Supply Company JP Vodovod-Kanalizacija d.o.o., Research department, Vodovodna cesta 90, Ljubljana, Slovenia, bzeleznik@vo-ka.si (2) University of Ljubljana, Biotechnical Faculty, Agronomy Department, Center for Agricultural Land Management and Agrohydrology, Jamnikarjeva 101, Ljubljana, Slovenia

On Water Pumping Station of Public Water Supply Company in Ljubljana, Slovenia, soil water balance was calculated for lysimeter station. In calculation measured data for daily precipitation (P), evapotranspiration (ET), and lysimeter outflow (O) for the six years (2001-2006) were used. The results show increasing deficit in annual water storage in the last three years. The increased deficit in annual water storage is mostly due to the increased outflow from the lysimeter and precipitation amount, that was below annual average for the years 2003, 2005 and 2006. Lysimeter outflow was the lowest in 2003 (301 mm) and the highest in 2004 (1070 mm). The change in storage (P-ET-O) was positive only in the first full year of observation 2001 (10mm), the biggest water deficit (negative change in storage) was in 2005 (-478mm).