



## **Signatures of Evaporation of Artificial Snow in the Alpine Lower Troposphere (SEASALT)**

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The SEASALT project is a student's research campaign within the Education & Training programme of the European Fleet for Airborne Research (EUFAR). The project is an application of airborne in-situ measurement techniques in an Alpine valley atmosphere altered by man-made snow production. The efforts are influenced by the ongoing endeavours to link the climate and water-budget related issues with the increasing use of artificial snow. The deployment of an instrumented aircraft (the ENDURO ultralight trike operated by the Forschungszentrum Karlsruhe) is aimed at capturing signatures of snow production within the regional water vapour budget and other related microphysical parameters by means of measurements of atmospheric composition as well as dynamics and thermodynamic properties. A summary of the experiment carried out during the two-week field campaign in Austria in February/March 2008 is presented.