



ATMO ACCESS
Access to Atmospheric Research Facilities



Services provided by HELIOS

Outdoor Atmospheric Simulation Chamber of Orléans



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atmo-access.eu

SERVICE 1 – Atmospheric Chemical Processes, Instruments testing and intercomparison

TYPE OF SERVICE	Research service, training service and innovation service
SERVICE DESCRIPTION	<p>HELIOS is one of the most advanced and largest outdoor atmospheric simulation chambers in Europe and is especially suited to investigate the chemical processes under realistic atmospheric conditions. HELIOS is positioned on the top of ICARE-CNRS building at Orléans (47°50'18.39N; 1°56'40.03E). The chamber is made of FEP film ensuring more than 90 % solar light transmission. The chamber is protected against severe meteorological conditions by a moveable housing. HELIOS is dedicated mainly to the investigation of the chemical processes under different conditions (sunlight and dark to simulate the Chemistry during day and night). The available large range of complementary and highly sensitive instruments enables investigating the radical chemistry, gas phase processes and aerosol formation under realistic atmospheric conditions.</p> <p>Ambient/Controlled atmosphere</p>
TYPE OF ACCESS	Physical and remote access
TARGET USERS	Academia, industry, public bodies
SERVICE STATUS	Available (operational and ready to be offered)
AVAILABILITY PERIOD	All year round
TIME CONSTRAINTS	None
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