



**ATMO ACCESS**  
Access to Atmospheric Research Facilities



Services provided by ESC-Q-  
UAIC

UAIC environmental chamber



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[atmo-access.eu](http://atmo-access.eu)

## SERVICE 1 – Chemical degradation of pollutants under simulated atmospheric conditions (intercomparison with other similar facilities) and testing new instruments with applicability to the industry

TYPE OF SERVICE	Research service, training service and innovation service
SERVICE DESCRIPTION	<p>The research team (academic staff) presently operating with the ESC-Q-UAIC infrastructure may offer scientific and technical support in the following areas:</p> <ol style="list-style-type: none"> <li>1) preparation of a certain type of experiment;</li> <li>2) establishment and implementation of an experiment;</li> <li>3) recording and evaluating FT-IR spectra in in-situ mode in the ESC-Q-UAIC chamber;</li> <li>4) recording PTR-MS spectra and analysing data;</li> <li>5) using the SMPS device and analysing data;</li> <li>6) GC-MS analysis and evaluation;</li> <li>7) estimating the parameters of interest;</li> <li>8) making corrections (wall loss, secondary reactions);</li> <li>9) adjust certain parameters (sampling rate, actinic flux intensity, optical path length, number of interferograms or samples);</li> <li>10) synthesising various substances used as sources of radicals. (<a href="https://cernesim.uaic.ro/index.php/language/en/l3-en/l3en/">https://cernesim.uaic.ro/index.php/language/en/l3-en/l3en/</a>)</li> </ol>
	Controlled atmosphere
TYPE OF ACCESS	Physical access
TARGET USERS	Academia, industry
SERVICE STATUS	The service is available (operational and ready to be offered)
AVAILABILITY PERIOD	Access is to be agreed according to the facility schedule.
TIME CONSTRAINTS	None
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