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**Information furnished in conformity with the Convention
on Registration of Objects Launched into Outer Space****Note verbale dated 8 January 2025 from the Permanent Mission of
Hungary to the United Nations (Vienna) addressed to the
Secretary-General**

The Permanent Mission of Hungary to the United Nations (Vienna), in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution [3235 \(XXIX\)](#), annex), has the honour to transmit information on the launch of the WREN-1 satellite (see annex).¹

¹ The data on the space object referenced in the annex were entered into the Register of Objects Launched into Outer Space on 22 January 2025.



Annex

Registration information on a space object launched by Hungary*

WREN-1

Information provided in conformity with the Convention on Registration of Objects Launched into Outer Space

Committee on Space Research international designator	2024-149L
Name of the space object	WREN-1
Full name of the space object	Water Resources in Efficient Networks
Type	20x10x34 cm 6U Cubesat class satellite
State of registry/launching State	Hungary
Date and territory or location of the launch	16 August 2024 at 1856 hours 0 seconds UTC Vandenberg Space Force Base, California, United States of America
Basic orbital parameters (as at 17 August 2024)	
Nodal period	-
Inclination	97.44 degrees
Apogee	519 kilometres
Perigee	509 kilometres
General function of the space object	Earth observation and drought monitoring

Additional voluntary information for use in the Register of Objects Launched into Outer Space

Space object owner or operator	C3S Electronics Development LLC
Website	www.c3s.hu
Launch vehicle	Falcon 9, Transporter-11 Mission
Detailed function of space object	The small satellite, manufactured and operated after the launch by C3S LLC., was developed by the project leader COMBIT Computer Technology Ltd. and consortium members Obuda University and Széchenyi István University. The aim of the mission is to provide a forecast of areas at risk from drought during periods of increasingly frequent rainfall deficits, based on frequently updated data, and reduce drought damage in Hungary through drought monitoring

* The registration data are reproduced in the form in which they were received.