



SOS ESTABLISHES STRATEGIC PARTNERSHIP WITH SÃO PAULO STATE MILITARY POLICE AVIATION COMMAND

SOS – Safe and Optimized Standards, the Institute of Biosciences at the University of São Paulo (IB-USP), and the São Paulo State Military Police Aviation Command (CAvPM) have entered into a Research, Development and Innovation (RD&I) Partnership Agreement to conduct groundbreaking fatigue research involving helicopter pilots from Águia.

Formalized and published in the Official Gazette of the State of São Paulo in late June (access the official document [here](#)), the agreement marks the launch of the first study of its kind in Brazilian public safety aviation.

The research will examine both subjective and objective fatigue indicators while monitoring pilots' cognitive readiness throughout their demanding operational schedules.

Beginning in 2027, the study's data collection will serve as one of the critical foundations for calibrating CORE (Cognitive Readiness Model), a PIPE/FAPESP-funded research initiative currently under development through a partnership between SOS and IB-USP, with strategic advisory support from Foquemos Investimentos.

CORE will bring together scientific research, technological innovation, and operational expertise to develop a Brazilian solution for predicting and managing fatigue and sleepiness in complex, safety-critical operational environments.

Built on advanced mathematical modeling, the platform is being developed to improve fatigue risk management by incorporating workload effects into fatigue and alertness predictions, enabling results that accurately reflect the operational scenarios and the specific characteristics of each organization.

Commenting on the partnership, Dr. Tulio Rodrigues, founder of SOS, said:

"It is a great honor to partner with São Paulo State Military Police Aviation Command, an institution widely recognized for its excellence in public service and public safety aviation. By combining our scientific research with Águia's operational expertise, we have a unique opportunity to advance the field of human fatigue risk management and contribute to safer operations throughout Brazil."

SOS extends its sincere appreciation to the São Paulo State Military Police Aviation Command, especially its Commander Colonel Barreto and all the officers whose commitment made this collaboration possible.

CAvPM's commitment to innovation further strengthens its position as a leader in public safety aviation and will play a vital role in the success of this pioneering scientific initiative.