



CLIMOS Press Release



Climate Monitoring and Decision Support Framework for Sand Fly-borne Diseases Detection and Mitigation with COst-benefit and Climate-policy MeasureS



Strengthening public health resilience through sand fly surveillance.

October 2024

The CLIMOS General Assembly, held in Rome and hosted by Istituto Superiore di Sanità, showcased a series of vital developments in the ongoing work to assist public authorities to fight against sand fly-borne diseases, including leishmaniasis and phlebovirus infections. As the project finalizes its second year of realization, partners gathered to assess progress, and the final impact of our research.



A key focus during the discussions was the identification of sand fly specimens collected throughout 2023 season. This process has been completed for most countries, with pathogen detection efforts now underway. These findings will be integrated into the Early Warning System (EWS) dataset. By correlating sand fly presence and density with variables like temperature, humidity, or altitude, we aim to enhance our predictive models. The ultimate goal of CLIMOS is to deliver a comprehensive platform for public health management and to develop adaptation strategies for sand fly-borne diseases.

CLIMOS Early Warning System

CLIMOS is preparing different co-creation workshops that will soon be launched across nine countries to gather local stakeholders' inputs on how best to implement the EWS for sand fly-borne diseases, ensuring that the system meets the needs of public health authorities, veterinarians, and other local communities.

The Assembly concluded with a productive **exploitation workshop**, which explored how the project's findings can be applied in real-world settings. The next steps include drafting a detailed plan to identify key results that can be developed and applied under the project's framework, ensuring that CLIMOS' scientific insights translate into tangible benefits for public health and disease prevention. 

For more information on CLIMOS and the latest project developments, please visit <https://climos-project.eu/>

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