

Long Term Benefits

By combining high-quality monitoring, rigorous analysis, and clear communication, IMN has strengthened Costa Rica's capacity to identify air-quality trends, detect pollution episodes, and support timely public health and environmental interventions. The system provides a robust evidence base for policy development and helps mitigate health risks associated with air pollution.

David Von Boisman of Consilium Safety believes that offering EarthSense solutions provides long term advantages which will increase national awareness driven by the data's insights.

Quotes

Daniel Poleo Brito, says: "IMN believes that poor air quality poses one of the most significant threats to human health today, causing a wide range of problems including respiratory issues, heart disease, and even cancer. Pollutants like particulate matter (PM2.5 dust) and ozone (O3) can irritate the lungs, leading to coughing, wheezing and shortness of breath."

The Future

Air-quality monitoring technology has advanced significantly in recent years. As EarthSense sensors continue to evolve and the associated SaaS platform expands its analytical and visualisation capabilities, IMN will gain deeper insights into spatial and temporal pollution patterns.

These enhancements will further strengthen reporting, public communication, and evidence-based decision-making for air-quality management in Costa Rica.

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