

AERODYNE SOIL GAS SAMPLING SYSTEM

REAL-TIME SOIL ANALYSIS FOR TRACE GAS DETECTION

A flexible, field-deployable gas probe array for monitoring biogeochemical changes in ecological and agricultural research.



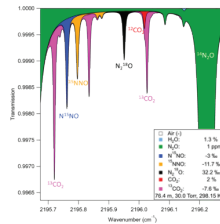
TRACE GAS ANALYSIS

Of a wide range of trace gases, including GHGs



VOC ANALYSIS

Using cutting-edge chemical ionization mass spectrometry



ISOTOPIC ANALYSIS

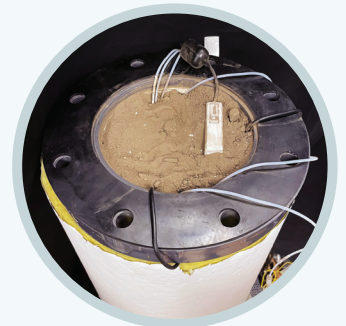
Of common trace gases



Ecological Field Research

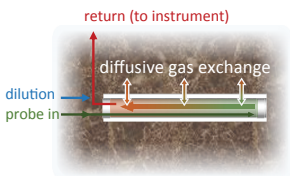


Agricultural and Agronomic Applications



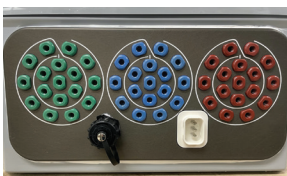
Foundational Laboratory Studies

ADVANTAGES OF THE AERODYNE SOIL GAS SAMPLING SYSTEM



LOW-DISRUPTION SAMPLING

Diffusive exchange across a hydrophobic membrane



AUTOMATED AND MULTIPLEXED SAMPLING

Using the multi-sample selector (MSS)

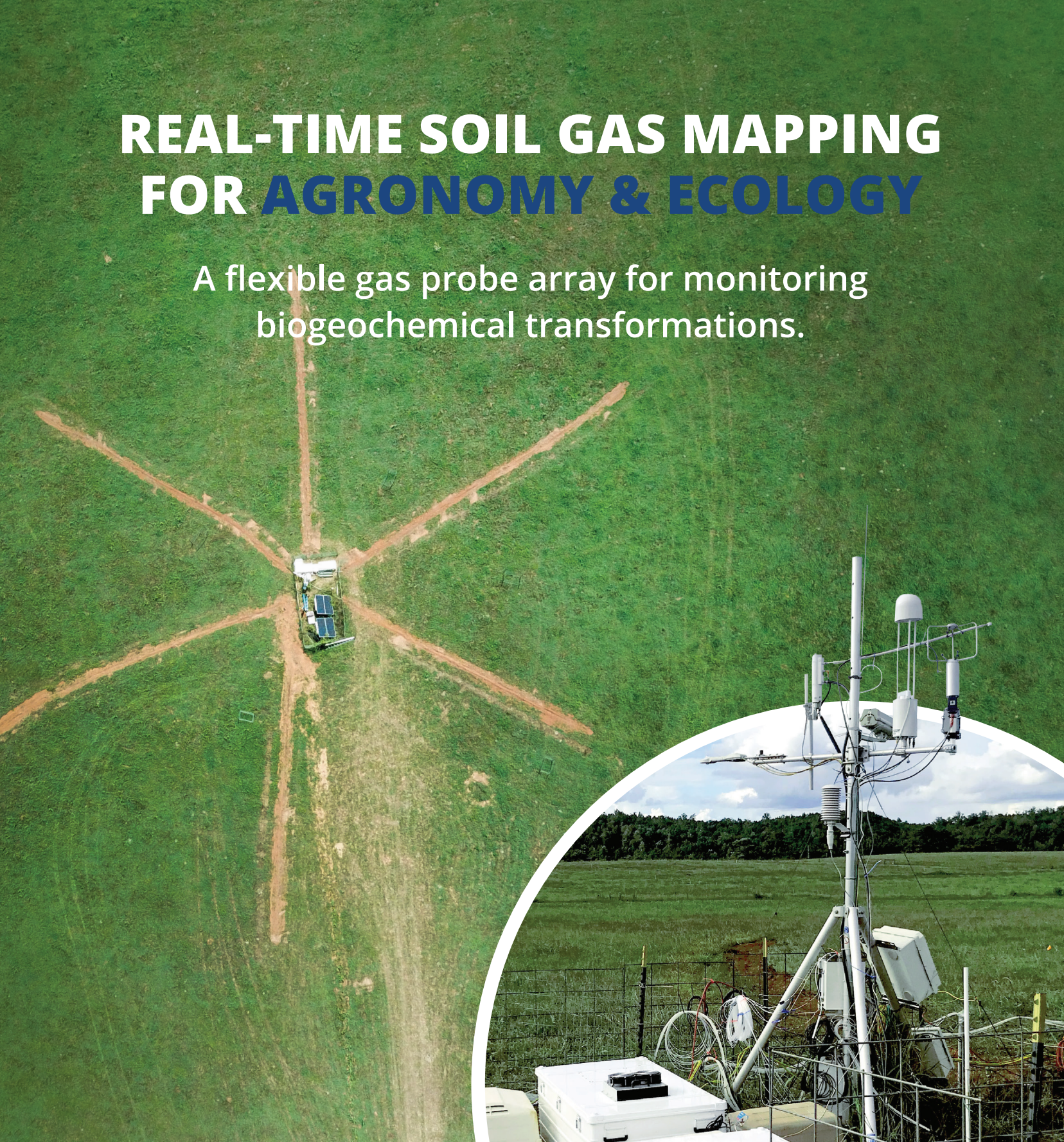


YEAR-ROUND FIELD MEASUREMENTS

Using the Aerodyne Field Enclosure

REAL-TIME SOIL GAS MAPPING FOR **AGRONOMY & ECOLOGY**

A flexible gas probe array for monitoring
biogeochemical transformations.



Aerodyne
Research

www.aerodyne.com