

# 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.



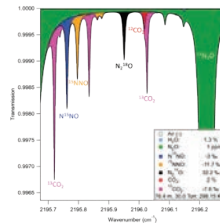
### TRACE GAS ANALYSIS

Of a wide range of trace gases, including GHGs



### VOC ANALYSIS

Using cutting-edge chemical ionization mass spectrometry



### ISOTOPIC ANALYSIS

Of common trace gases

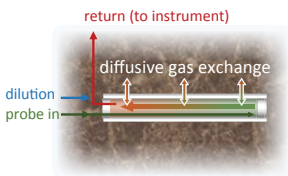


Ecological Field Research



Agricultural and Agronomic Applications

## 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

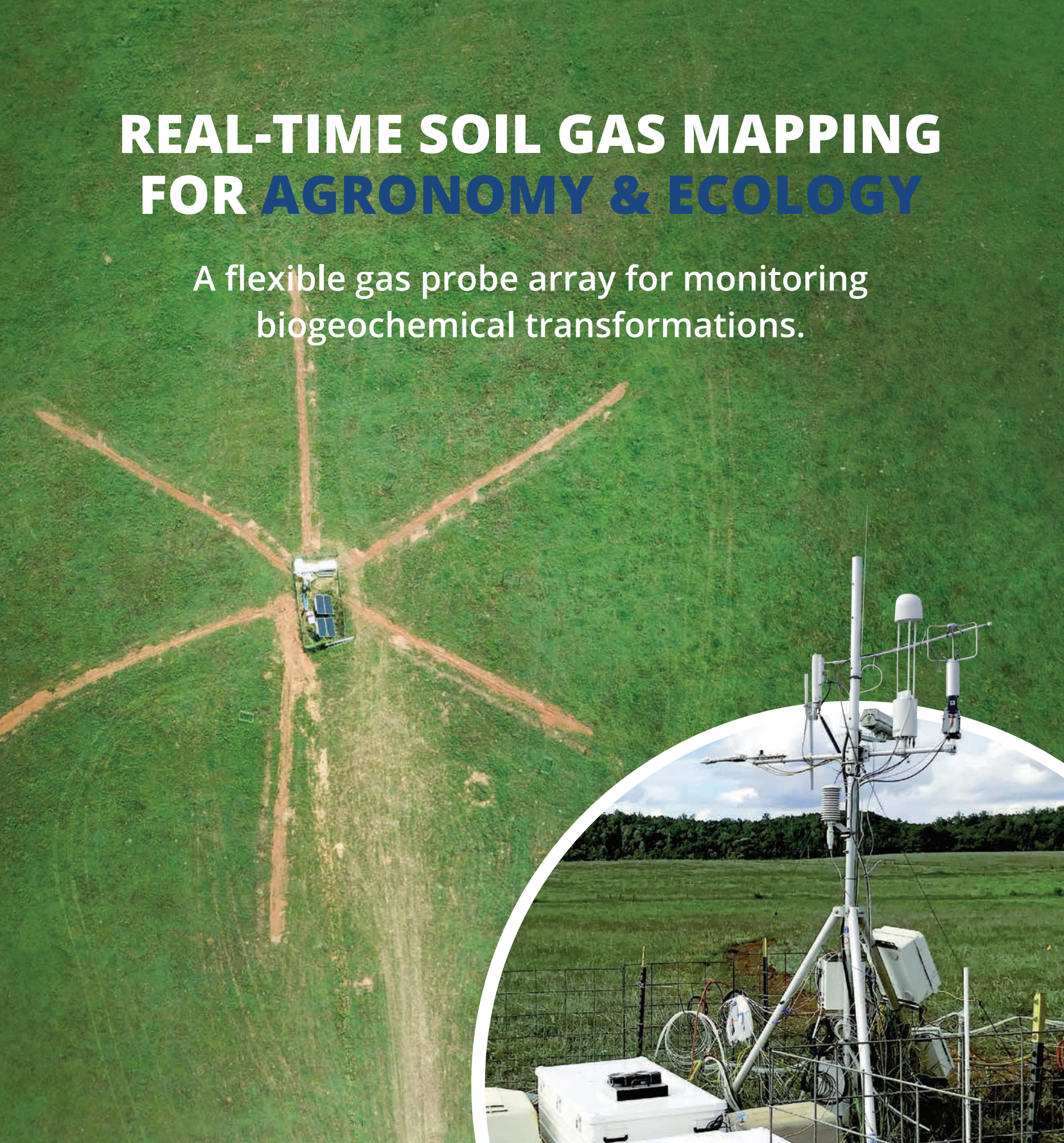


Foundational Laboratory Studies



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

A flexible gas probe array for monitoring  
biogeochemical transformations.



**Aerodyne**  
**Research**

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