

INDIANA MESONET

TRUSTED LOCAL WEATHER DATA • INDIANA STATE CLIMATE OFFICE

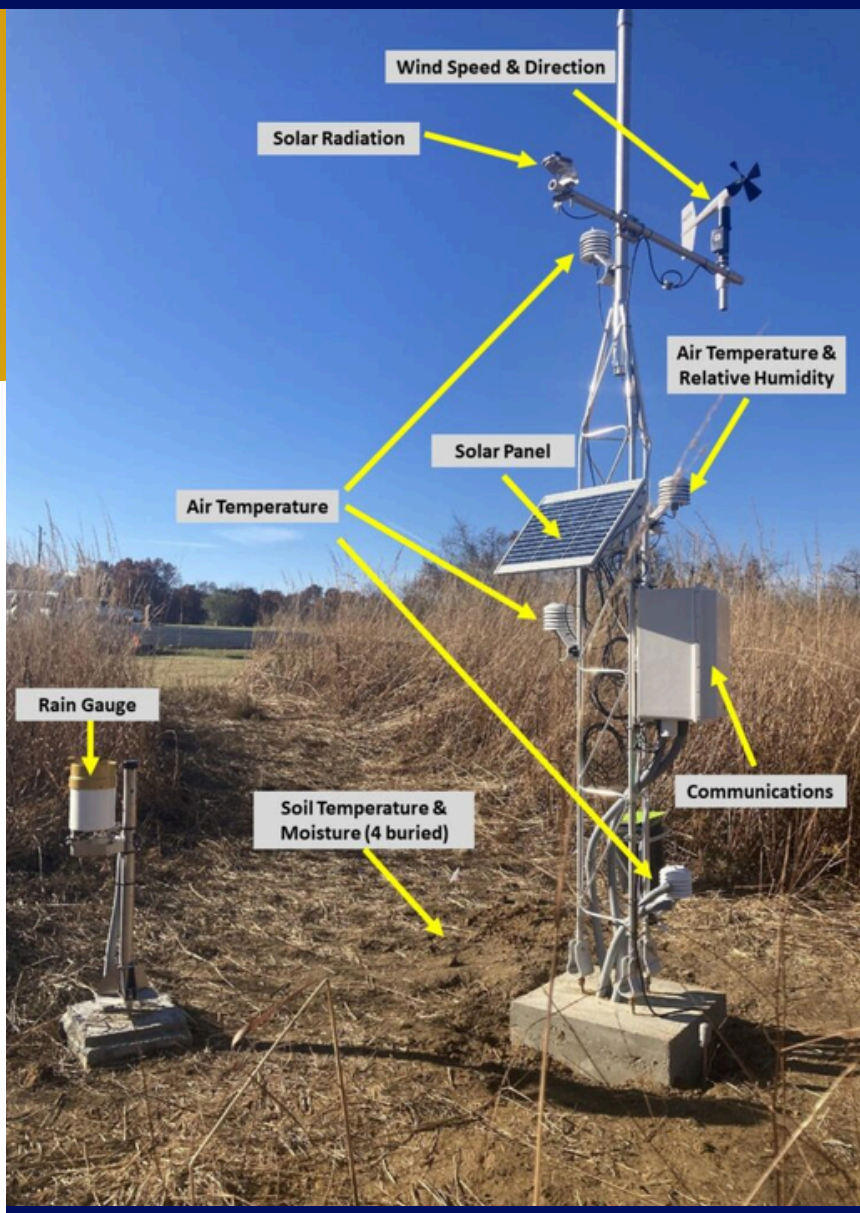
INDIANAMESONET.ORG

COST SHEET

Facilitating better weather safety, water management, and economic prosperity across Indiana

Why Support

The Indiana Mesonet is a comprehensive network of observation stations that monitors weather, soil, and water conditions across the state. Our goal is to deliver real-time, high-quality data and resources that will improve Indiana's decisions.



Installation Costs

- Weather Station - $40,000
- Personnel - $30,000
- Security Fencing (optional) - $5,000

Network Sustainability

To maintain an operational network, sustainable funding is essential. The annual costs to support a network of 92 stations (one per county) total approximately $1.05 million, averaging about $11,400 per station, which includes:

- Personnel - $730,000
- Sensor Replacement - $150,000
- Calibrations - $40,000
- Travel - $70,000
- General Supplies - $60,000

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Full Station Specifications

Monitoring System	Sensors	Materials	Installation	Power	Site Control
Atmosphere - Weather	Temperature, Humidity, Wind, Solar, and Rain	Tower, fence, modem, datalogger, and antenna	Tower and concrete	Solar and Battery	Fence, Weather-proof Box
Shallow Soil	Temperature and Moisture	Datalogger, transmitter, Conduit	Soil Pit	Solar and Battery	Weather-proof Box

The Ideal Site

- Located on relatively flat, open terrain (~1 acre) representative of the surrounding area
- Free of obstructions (e.g., bushes, fences, tree rows, or structures) within a distance of at least 10× their height in all directions
- No pavement, crops, or tree lines within 100 ft (30 m); ideally in natural vegetation or grass.
- Soil should be typical of the area and historically undisturbed
- Not situated in a topographic low or high point that may bias temperature or wind
- Not near irrigation systems, ponds, or lakes that could affect humidity or soil moisture
- Accessible year-round by vehicle



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