

# Innovative ideas for environmental monitoring using IOT



We protect our environment using IOT technology

Using arduino design green house environment also alerting emergency

There are global databases that catalog an enormous range of environmental data such as microsoft planetary computer

# Water quality monitoring



IoT system allows water to analyze in buildings wastewater plants irrigation systems



Advanced smart water monitoring systems using IoT technology enables accurate measurements of contaminants, oxygen levels



Ideas are municipal water treatment monitoring



Stormwater and groundwater monitoring



Agricultural irrigation monitoring and control



Public environmental monitoring create safety aware future generations



Monitoring of indoor air quality minimize pollution

# Air quality monitoring



Deploying IOT to manage traffic flow in cities can massively reduce vehicle emissions and support cleaner air



Ideas are ambient air quality monitoring for pollutants

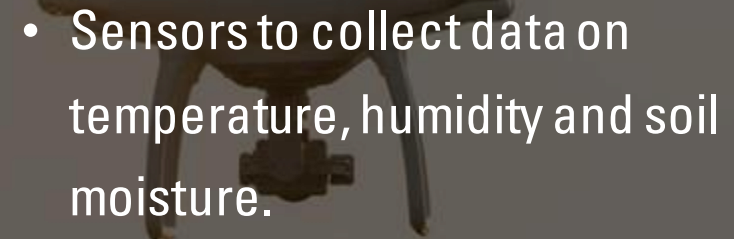


Methane monitoring in agriculture



Low cost sensors

# Smart farming

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- A drone is shown in flight, hovering over a vast field of green crops. The drone is a quadcopter with four rotors, and it appears to be carrying a camera or sensor underneath. The background is a soft-focus field of crops under a hazy sky.
- Sensors to collect data on temperature, humidity and soil moisture.
  - Using these device farmers can increase yield and reduce their environmental impact by using less water fertilizer, pesticides

# Smart solutions for earth



Water quality monitoring and cleaning



Animal tracking



Green energy



Responsible water usage



Intelligent transportation



Natural disaster monitoring and prevention



Green supply chain management