AI-Powered Real -Time Environmental Monitoring for Sustainable Resource Management

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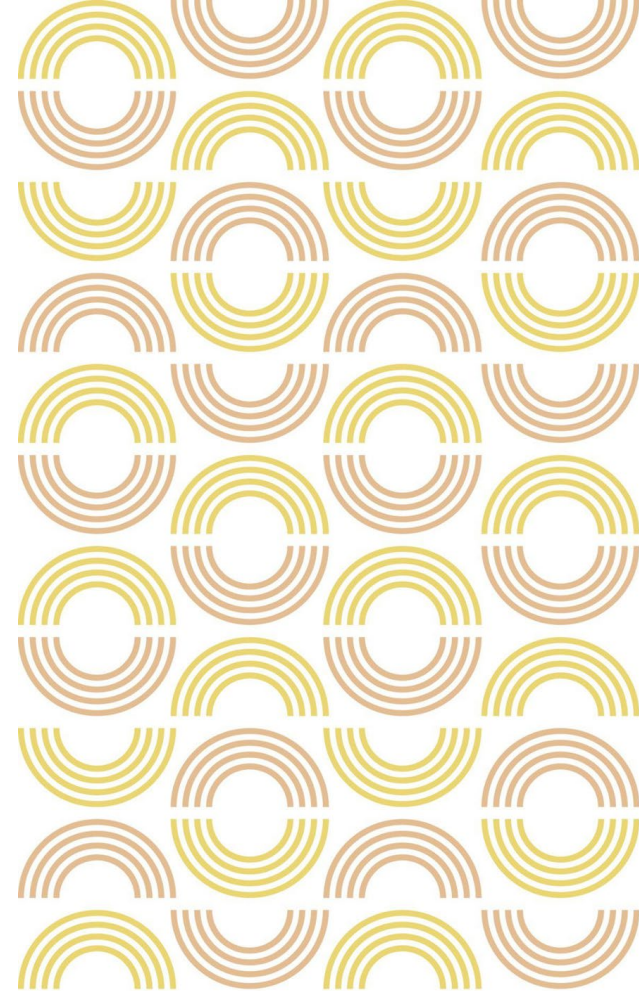
Topics Addressed

- HORIZON-CL6-2025-GOVERNANCE-01-1: Strengthening the science - policy interface in support of sustainable and inclusive food systems
- HORIZON-CL6-2025-BIODIV-01-4: Environmental observation for biodiversity and ecosystem services

HORIZON -CL6 -2025 -FARM2FORK -01-5: Integrated and digital solutions for data -driven monitoring and management of farming practices

Project Idea

- The proposed project aims to develop an AI and IoT -based platform for real -time environmental monitoring, focusing on parameters such as air quality, soil moisture, and temperature to promote sustainable resource management.

- Objectives:
- • Enhance decision -making for resource efficiency and ecosystem preservation.
- • Provide scalable, real -time analytics for climate change mitigation.

- Initial partners include AI researchers, IoT sensor developers, and stakeholders in environmental policy.

- Main Expertise Offered / Sought

Expertise Offered:
• 25+ years of experience in AI, data analytics, and real				-time systems.
• Publications in image processing, deep learning (e.g., Multimedia Tools and Applications, 2024).
• Experience in international projects (e.g., NATO, 2001			–2002).

Role in Project:
• Willing to join as coordinator or partner depending on consortium dynamics.

Looking for:
• Partners with expertise in IoT hardware, environmental science, and community   -driven sustainability.

- Contact Details

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