

**Digital Naturalist-AI  
Enabled Tool For  
Biodiversity  
Researches**

**Climate change, world population growth, and competition for water resources make freshwater availability an increasingly complex global challenge, especially for irrigated agriculture.**

**Additionally, the recent increase in energy and fuel cost makes energy another critical resource for agriculture**

**This pressure in the agricultural economy also implies pressure in consuming natural resources, impacting the environment.**

**Thus, the environmental data analysis in relationship with the agricultural data will be vital in predicting effects on the environment and biodiversity.**

**Biodiversity is a measure of variation at the genetic, species, and ecosystem level.**