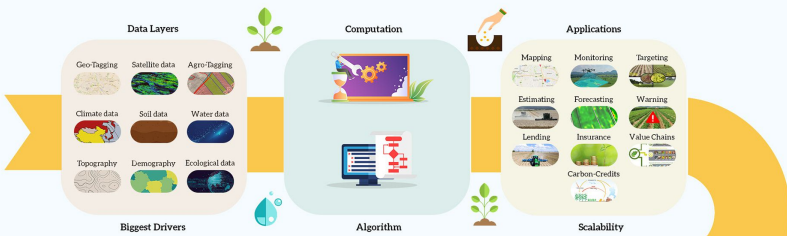


GOAL: Increase productivity and achieve food security for 10 billion people by 2050.



PLAN OF ACTION: Data-driven farming to build an inclusive agro-ecosystem in drylands.

Integrating **Big Data Science** and **Citizen Science** to accelerate diversified intensification

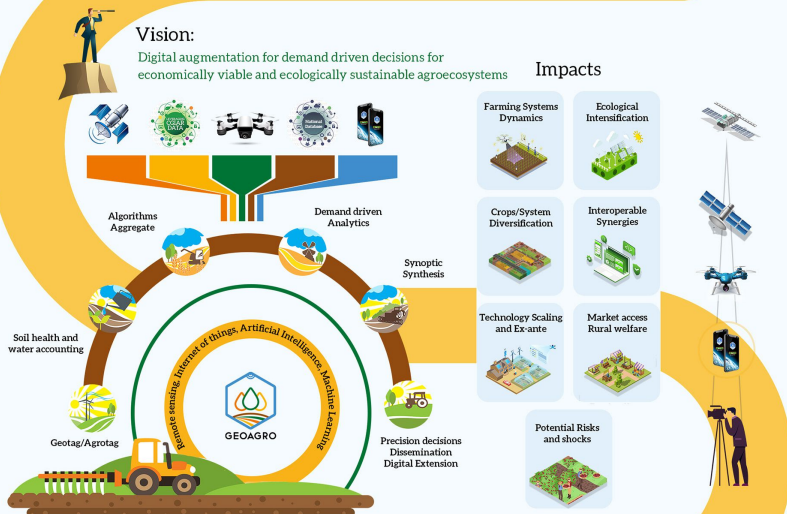


Geotagging, Agrotagging, and Geoinformatics for Resilient Agroecosystems

Vision:

Digital augmentation for demand driven decisions for economically viable and ecologically sustainable agroecosystems

Impacts



Geoinformatics for Integrated Agroecosystems & Mapping Food & Nutritional Security



Harnessing the power of big data and analytics, geoinformatics provide farmers and researchers a holistic perspective to tune decisions, focusing on land management, and markets enforcing sustainable land development, food security and better livelihoods in dry areas.

Science, Technology & Applications

Applications

Agro-ecosystems, Environment & Climate Change

Technology/Systems

Remote Sensing, Navigation System, Spatial Decisions & Telecommunication

Geocomputation

Comp. Geometry, Spatial Analysis & Spatial Data Mining

Geoinformation

Spatial Database, Maps & Attributes

Theory

Spatial Models, Spatial Algorithms & Spatial Reasoning

Geoinformatics

Biodiversity and Crop Improvement

Land and Water Resources

Crop and Livestock Productions

Socio-Economics, Markets and Policy

