

# INNOVA Learning Guide

INNOVA gives agricultural businesses actionable insights through data-backed projections, helping improve outcomes and resource efficiency. By integrating multiple models (e.g., climate, soil suitability) into a single platform, INNOVA simplifies complex data analysis for users across various agricultural sectors. Users can personalize analyses based on regions, crop types, and historical data, making INNOVA adaptable for specific business needs.

- [Core Components of INNOVA](#)

# Core Components of INNOVA

## 1. Workspaces

- **Definition:** Workspaces are organizational units within INNOVA where users can manage multiple projects. Each workspace is owned by a user (workspace owner) who can invite collaborators.
- **Functionality:** Workspaces allow users to structure their projects and manage access and collaboration. Users can set up multiple workspaces to separate projects by different regions, crops, or objectives.
- **Roles:**
  - **Owner:** Full control over workspace and projects, can invite or remove collaborators.
  - **Collaborators:** Can view and interact with projects but cannot modify or delete the workspace.

## 2. Projects

- **Definition:** A project within a workspace serves as the primary unit of analysis and tracking. Each project is associated with one or more watchlists, which define the specific models, inputs, and areas of interest.
- **Roles:**
  - **Owner:** Full control over project settings and can invite workspace members as participants.
  - **Participants:** Can view project details and interact with watchlists but cannot edit project settings.

## 3. Watchlists

- **Definition:** Watchlists represent the modeling core of INNOVA, allowing users to analyze specific areas, crops, and conditions using model-driven insights.
- **Inputs:**
  - **Model Version:** Specifies the model type (e.g., Soil Suitability v1.2, Climate v2.3).
  - **Area of Interest:** Defines the geographical scope (e.g., state, county, custom geojson).
  - **Model-Specific Variables:** Each model has specific input requirements, like soil type, pH, or climate forecast.
- **Outputs:**
  - Predictive analytics, yield projections, soil suitability scores, and custom outputs depending on the model version.

## 4. Invite Team (Collaborator and Participant Management)

- **Functionality:** Allows workspace owners to manage team access across projects and watchlists, restricting permissions based on role to maintain control over data and settings.
- **Roles and Permissions:**
  - Workspace and project-level access management, with role-based restrictions to ensure secure collaboration.

## 4. GIS

- **Functionality:** The platform includes a sophisticated GIS interface for spatial analysis and visualization.