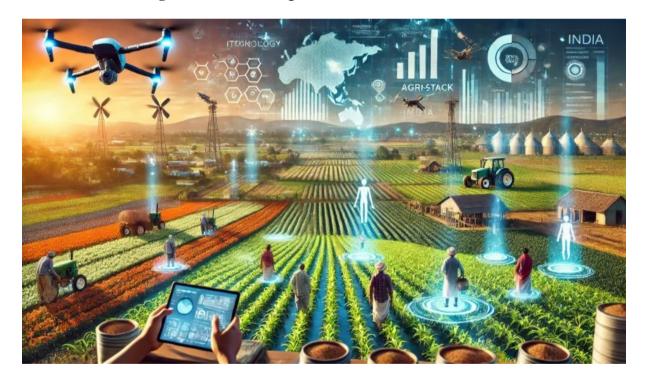
NATIONAL CONFERENCE ON AGRI STACK 2025 - ECONOMY

NEWS: The Ministry of Agriculture & Farmers' Welfare (MoA&FW) hosted a National Conference on Agri Stack at Sushma Swaraj Bhawan, New Delhi.

WHAT'S IN THE NEWS?

Objective of the Conference on Agri Stack

- Review Implementation Progress: The primary aim of the conference was to assess the progress made so far in the implementation of Agri Stack under the broader framework of the Digital Agriculture Mission (DAM).
- Identify Challenges and Plan Forward: It also aimed to discuss current challenges, share state-specific innovations, and develop a future roadmap for scaling up Agri Stack initiatives.
- **Promote Technology-Driven Governance:** The event reinforced the government's vision of **transparent**, **technology-enabled**, **and farmer-centric governance** in the agricultural sector.



About Digital Agriculture Mission (DAM)

• Modernization Through Technology: DAM is a flagship initiative of the Government of India launched to digitally transform Indian agriculture using advanced technologies and data systems.

• Objective of DAM:

It seeks to provide **real-time**, accurate, and actionable digital services to farmers to enhance agricultural productivity and decision-making.

• Core Digital Pillars:

The mission is built upon two major technological frameworks:

- Agri Stack: A unified data infrastructure integrating all farmer-related records and services.
- Krishi Decision Support System (DSS): A geospatial intelligence platform that integrates data on soil health, weather, crop types, and water availability.

• Soil Profile Mapping:

An essential component of DAM involves **digitally mapping soil profiles** to provide farmers with accurate information about **land quality and suitability**.

About Agri Stack

• Purpose and Scope:

Agri Stack is a **foundational digital infrastructure** that aims to **integrate various datasets related to farmers**, enabling seamless service delivery and policy implementation.

• Integration with Major Schemes:

It links farmers' digital IDs and land ownership details with central schemes like:

- **PM-KISAN** (income support),
- **PMFBY** (crop insurance), and
- KCC (credit access).

• Key Components of Agri Stack:

• Farmer Registry:

Digitized records of farmers, linked with Aadhaar and authenticated land records, to ensure **accurate beneficiary identification**.

• Unified Farmer Service Interface (UFSI):

A common interface that enables integration and interoperability of various government schemes and services.

- Georeferencing and Remote Sensing Tools: Used to support accurate crop surveys, natural disaster assessments, and agroclimatic planning.
- Digital Crop Survey (DCS): AI and remote sensing-based surveys that help assess crop health, yield, and detect insurance fraud or data mismatches.

• Digitally Verifiable Certificates (DVCs): Farmers can now generate digital crop and land ownership certificates, which are stored in DigiLocker and can be verified electronically.

Key Takeaways from the National Conference on Agri Stack

1. Integration with Major Schemes

- Agri Stack will be **fully integrated with PM-KISAN, PMFBY, and KCC**, which will help **streamline benefits**, reduce duplication, and target subsidies more efficiently.
- The conference introduced **farmer authorization systems** that enable **secure**, **consent-based data sharing** for accessing various benefits and services.
- **Digitally Verifiable Certificates (DVCs)** were highlighted as a secure way for farmers to share verified land and crop details with government and financial institutions.

2. MoUs and Financial Support Announcements

- Four states Maharashtra, Kerala, Bihar, and Odisha signed Memoranda of Understanding (MoUs) to pilot and expand Agri Stack implementations.
- A total of ₹6,000 crore was allocated under Special Central Assistance (SCA):
 - ₹4,000 crore earmarked for developing a comprehensive Farmer Registry.
 - ₹2,000 crore set aside for scaling up the Digital Crop Survey (DCS).
- Collaboration with PSB Alliance (Public Sector Banks Alliance) will make it easier for farmers to access credit, especially through digital KYC and crop verification processes.

3. State-Level Innovations in Agri Stack Usage

- Maharashtra:
 - Developed a **Data Provisioning Engine (DPE)** for smooth data sharing across departments.
 - Introduced Mahavistaar AI, an advisory system providing tailored agronomic advice to farmers.
- Uttar Pradesh:
 - Integrated Agri Stack with the **MSP e-procurement system**, leading to **faster and more transparent farmer payments**.
- Karnataka:

- Linked the **FRUITS (Farmer Registration and Unified Beneficiary Information System)** platform with banks for easier credit disbursal.
- Used Agri Stack to **plan disaster relief** post-natural calamities.
- Connected **soil health card data** with advisory platforms to provide **personalized input recommendations**.

4. New Digital Solutions Introduced

- Kisan Pehchan Patra (KPP): A DVC-enabled ID that allows farmers to create and store verified land and crop credentials, which can be used for availing various schemes and services.
- Grievance Redressal Portal: A new unified portal with features like:
 - **OTP-based login** for security,
 - Multilingual support, and
 - Voice/audio upload option to help illiterate or differently-abled farmers file complaints related to land disputes.

• AI-Powered Chatbot:

A multilingual chatbot powered by **Google Gemini**, capable of answering farmer queries on **schemes**, weather, crop advisories, and more, in vernacular languages.

Source: https://www.pib.gov.in/PressReleasePage.aspx?PRID=2136255