

India Digital Ecosystem of Agriculture (IDEA) framework

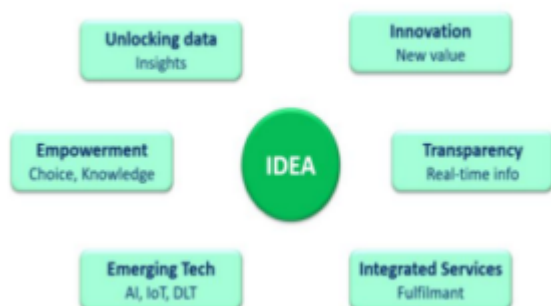
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In news- The Union Government has finalized an India Digital Ecosystem of Agriculture (IDEA) framework recently.

About India Digital Ecosystem of Agriculture (IDEA) framework-

- **IDEA was built by taking the publicly available data** as existing in various schemes and linking them with the digitized land records.
- **It provides information from running schemes** like the PM Kisan, soil health cards, the national crop insurance scheme PM Fasal Bima Yojna, etc.
- It **helps in laying down the architecture for the Agristack in the country** and that would serve as a foundation to build innovative agri-focused solutions leveraging emerging technologies to contribute effectively in creating a better Ecosystem for Agriculture in India.
- This Ecosystem shall help the Government in effective planning towards increasing the income of farmers in particular and improving the efficiency of the Agriculture sector as a whole.
- **As a first step in this direction, the Government has already initiated building federated farmers' database that would serve as the core of the envisaged Agristack.**

The panorama of opportunities



Objectives of IDEA-

The objectives of National Digital Agriculture Ecosystem are as follows:

- To enable the farmer to realize **higher income and better profitability** through access to right information at the right time, and from innovative services.
- To enable **better planning and execution of policies**, programs, and schemes of the Central and State governments, and, also of the private sector and Farmers Producer Organizations (FPOs).
- **To enhance efficiencies in the usage of resources** including land, water, seeds, fertilizers, pesticides, and farm mechanization by providing easier access to information.
- **To provide location-specific and personalized extension services** across agriculture lifecycle, with simultaneous protection of privacy of personal data.
- To build capacities across the gamut of digital agriculture and precision agriculture.
- To **promote adoption of standards for interoperability and seamless exchange of information** across ecosystems, while ensuring that the digital rights are properly managed.
- To give a fillip to **R&D and Innovations in agriculture** through access to high-quality data.
- To adopt the **best principles of cooperative federalism**

while working with the states and union territories for the realization of the vision of IDEA.

- To **formulate and leverage PPP frameworks** for realizing the 'power of the digital'.

Agristack-

- It is a **digital ecosystem for end-to-end delivery of services to farmers.**
- The digital transformation of Indian agriculture through the use of cutting edge technology is the **watchword for the creation of Agristack and the IDEA blueprint that undergirds it.**
- **Agristack is described as a "digital ecosystem" for agriculture** that is intended to lead to enhanced farm incomes through the use of technology, mainly by "removing the bottleneck of inconsistent information".
- Agristack will create "a **unified platform for farmers to provide them end-to-end services** across the agriculture food value chain".

Extra reading: <https://journalsofindia.com/agristack/>