

Agriculture Data Exchange (ADeX) Launch

11 August 2023

Agriculture Information Provider (AIP) and Agriculture Information User (AIU) Onboarding Criteria¹

A. PREAMBLE

The Agricultural Data Exchange (ADeX) is a collaborative project of the Government of Telangana, the Indian Institute of Science (IISc), Bengaluru, as the Technical Partner, and the World Economic Forum's Center for Fourth Industrial Revolution India, as the Knowledge Partner to create India's first data exchange platform for innovative services to all the stakeholders of the agricultural ecosystem, with a special focus on farmer services.

ADeX is expected to bring transformational benefits to the agriculture sector, enabling a wide variety of new services for the farmers and other stakeholders ranging across the entire agricultural value chain. An indicative list of such benefits includes better crop planning, hyper-local advisories on crop management, smart farming, more credit options, better insurance products, and improved traceability of inputs and outputs of farm operations.

ADeX will be launched in Telangana with an initial set of Agriculture Information Providers (AIPs), Agriculture Information Users (AIUs) and curated use cases on 11th August, 2023, followed by a rollout within the State during the year. Both public and private sector data shall be discoverable and accessible through ADeX, subject to applicable rules and regulations of data protection. Start-ups and established AgriTech companies will be encouraged to build these new services for farmers and other stakeholders. Based on open standards and being open source, ADeX platform can be made available to other states.

Please note that this document will undergo periodic revisions and enhancements over time to ensure its relevance and accuracy.

¹ Version1.0

B. Agricultural Information Users (AIUs)

B1. Definition of AIU : *Agriculture information User (AIU) means a person, business entity or public and private organisation that receives agricultural data from the AIP under a data sharing agreement with the AIP in accordance with the Agriculture Data Management Framework.*

B2. Initial Cohort of use cases identified by ADeX

The initial cohort targeted by ADeX includes use cases relating to

- (i) Smart Credit and Finance,
- (ii) Marketing Advisory,
- (iii) Uberization of Farm machinery
- (iv) Electronic Farm Records and
- (v) Pest Prediction and Advisory

The use cases will be enabled based on datasets discoverable through ADeX. Further use cases across the entire agriculture value chain will be considered from time to time.

B3. Criteria for becoming a Agricultural Information User and conditions for engaging with ADeX

1. AIU must develop a solution for a use case that is consistent with the goals and objectives of ADeX and aligned with one or more of the use cases of the initial cohort outlined in section B2 above.
2. AIU must commit to use the data from ADeX in conformance with the terms of the relevant policies and rules specified by ADeX, the Agricultural Data Management Framework (ADMF) as notified by the Govt of Telangana and any other applicable rules and regulations. The responsibility of compliance with all laws and regulations shall be that of AIU and ADeX does not own any responsibility or liability on this count.
3. AIU must be willing to develop an initial version of the application on a non-commercial trial basis entirely at their expense for proof of concept, if required.
4. The trial application must consume test data uploaded on the ADeX platform by AIPs (defined below) using ADeX APIs as part of its operational work-flow. AIU's app may consume other sources of data from non ADeX sources and will be encouraged to make discoverable such data sources on ADeX, subject to any applicable rules and regulations. The trial application should consume at least one data source from ADeX.

5. AIU must be willing to distribute mobile application through Google Play and other popular app stores. In case of web application, the application will be made accessible using the AIU's website.
6. 'Powered by ADeX' must be prominently displayed on the application.
7. AIU's give ADeX the right to refer to them as AIU's on ADeX web site and in any ADeX publicity or informative materials.

B4. ADeX support of AIUs

1. ADeX will support the AIU with onboarding
2. ADeX will provide technical assistance to an AIU to assist them in using the features of the platform, if required.
3. AIU's will be featured on the ADeX web site and included in media publicity events as appropriate.
4. ADeX will conduct periodic AIU educational conferences and invite all AIU's to attend and exchange ideas.

C. Agricultural Information Provider(AIP)

C1. Definition of AIP : *Agriculture Information Provider (AIP) means a person, business entity or public and private organisation that provides, creates, updates, secures and maintains agricultural data in accordance with the Agriculture Data Management Framework.*

C2. Criteria for becoming an AIP

1. AIP must offer one or more datasets to prospective AIUs through ADeX that are consistent with the goals and objectives of ADeX and aligned with one or more of the use cases specified in section B2 above.
2. AIP must certify that it has the full right to offer any dataset to an AIU through ADeX and that the data is accurate to the best of its knowledge.
3. AIP must commit that any dataset provided through ADeX is in conformance with the terms of the relevant policies and rules specified by ADeX and the Agriculture Data Management Framework (ADMF) as notified by the Govt of Telangana and the applicable rules and regulations. The responsibility of compliance with all laws and regulations shall be that of AIP and ADeX does not own any responsibility or liability on this count.
4. Without affecting the generality of the criterion 4 above, specifically, collection of consent as per ADMF, shall be exclusively that of the AIP. In addition, the status of consent collection shall be specified as a part of the metadata specified in criterion 6. ADeX shall not assume any responsibility on this count.

5. AIP shall provide a catalogue of the dataset it intends to provide to AIUs through the ADeX Platform. In addition, the AIP is required to upload an appropriate number of sample records considered sufficient to reflect the nature and degree of complexity and diversity of the data and would enable a typical AIU to assess the usefulness of the data for the targeted use case.
6. AIP should be willing to make available all contributed datasets on a free basis (exclusively through ADeX API's) to any AIU that is creating an ADeX approved trial application.
7. AIP must be willing to deliver datasets on a sustained commercial basis or sustained non-commercial basis to AIU's that move to production after a successful trial. The commercial terms may be negotiated directly with the AIU.
8. AIP's will give ADeX the right to onboard them into the ADeX catalogue and to refer to them as AIP's on ADeX web site and in any ADeX publicity or informative materials.

C3. ADeX support of AIP's

1. ADeX will support the AIP with onboarding
2. ADeX will provide technical assistance to an AIU to assist them in using the features of the platform, including but not limited to, onboarding the data catalogue and sample datasets to ADeX platform
3. ADeX will ensure that any onboarded data is governed by the usage policies defined by the AIP.
4. AIP's will be featured on the ADeX web site and included in media publicity events as appropriate.
5. ADeX will conduct periodic educational conferences and invite all AIP's to attend and exchange ideas.