**Requirement:**

All projects must demonstrate that they have taken steps to ensure the project anticipates, prevents, and does no harm by design.

**Approach taken for development of DiCRA:**

DiCRA is an open access, open source, open code digital platform that provides geospatial analytics of data sourced from multiple open data sources and analyzed by multiple data collaborators. The platform uses and generates data analysis on natural resources impacting agriculture (soil, water, land, meteorological conditions etc.) and markets (price fluctuations of agriculture commodities). The meta data standards, data methodology and analytics are transparently shared on the platform for consumption and feedback by stakeholders in agriculture. Given the non-PI nature of data used and generated by the platform, coupled with transparency & accountability mechanisms built into the design, the risk of harm is reduced significantly.

Additional steps taken to mitigate risk of data quality and reliability:

1. The reliability of data models and data analysis generated by the platform are evaluated by reputed Research Labs (Zero Hunger Lab and JADS, Netherlands) that are partners to this platform.
2. The data results generated by DiCRA platform are validated by citizen scientists on the ground to ensure reliability and accuracy.
3. Moreover, the platform has a use-case section that proactively encourages peer-reviewed models and use cases from a large community of data scientists across the world.
4. Majority of the data sets used and generated by the platform are non-PI in nature that are transparently available to the highest possible disaggregated levels through the platform.
5. The only PI data captured by the platform is basic information of users who extract data from the platform through simple download or through Open APIs. Minimal PI information such as user name and email ID are the only details captured by the platform. This information is collected to understand user engagement on the platform and for communicating updates on the platform.
6. All the PI data is secured through multifactor authentication system. There are no ‘third party’ data transfers of the PI data through this platform.

Screenshot from Ambarish on PI data fields