

UGI-X

Unified Geospatial Interface Exchange

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UGI-X is a data exchange platform that enables controlled sharing and processing of data across public and private geospatial datasets.

It aims to create an ecosystem that serves data, metadata and analytics that can be easily accessed by third party application developers, service providers, practicing professionals and researchers.

Building Digital Public Infrastructure for Geospatial Data



Findable

- Well indexed catalogue
- Rich metadata



Accessible

- Universally accepted protocols
- Authorization mechanisms



Interoperable

- Open data models
- Well defined standards



Reusable

- Well described, analysis-ready
- Data Provenance

Diverse use cases driven by multiple datasets available on UGI-X

Agriculture



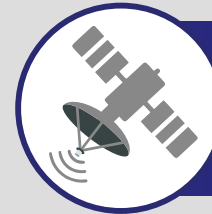
Farm delineation



Crop yield estimation



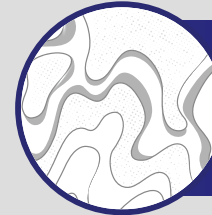
Soil monitoring



Remote Sensing



Administrative Maps



Topography



LiDAR



Spatio-Temporal

and many more...

Urban



Land use land cover



Urban deforestation



Infrastructure monitoring

Environment



Lake surface condition monitoring



Land use threats to environment



Droughts and floods

Disaster Management



Forest fire prediction and rescue



Storm response



Disease and epidemic management