AgTrials - an example of Open Data and Open Access in the CGIAR Consortium for Spatial Information

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Community of practice [www.cgiar-csi.org](http://www.cgiar-csi.org)

- Joint Projects ($) – Poverty mapping, AgCommons
- Joint Publishing – Food Policy Special Issue on Poverty mapping
- Spatial Data Products – SRTM void filled elevation
- Collective Software Contracts – ESRI, ENVI
- Data Sharing – informal ad hoc sharing, formal e.g. AgTrials
- Knowledge Sharing – annual meetings, African Agricultural GIS Week
CGIAR Open Access Policy

• Spatial, crop, socio-economic and genomic datasets

• Use open repositories for information products which
  – Use CG core metadata
  – Are harvestable and machine readable
  – Are measurable
Open Access – CSI Spatial Data Agreements

- Data Format – Any GDAL-supported, read-and-write/lossless, format (GeoTIFF & Shapefile)
- Projection – Any documented projection (EPSG standard code)
- Metadata – CG Core 1.0 as the base, *plus*
  - Bounding box (coordinates of four points)
  - Projection code (EPSG)
  - Description to include geospatial data-specific methodology
  - Thematic and technical keywords from AGROVOC
AgTrials.org is an information portal developed by the CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) which provides access to a database on the performance of agricultural technologies at sites across the developing world. It builds on decades of evaluation trials, mostly of varieties, but includes any agricultural technology for developing world farmers. This project will standardize data and information to the benefit of climate change analyses, future multi-environment trials and research and development in international agriculture.

What you can do with the interface
✓ Share data and information on evaluations of agricultural technology.
✓ Acquire agricultural evaluation data sets for your own research.
✓ Explore the geographic dimensions of agricultural evaluation.

Partners

Social Media

www.agtrials.org
AgTrials Trial Repository

- Trial Group
  - many
  - Trials
  - many
    - Trial Site
      - many
    - weather data
    - protocol, etc.
Agricultural data ecosystem

- GCP & Bioversity
- CropOntology
- NARS / ARI / CG
- IBP/ICIS
- Weather
- Climate and projections
- Trial Results
- Trial Site characteristics
- Genotype definitions
- Soil characteristics
- Trial metadata
- Global futures / AGMIP
- aWhere / AMKN
- WorldClim / CCAFS?