Making ILRI data open

➢ **Fill metadata excel template**

Metadata tells people about your data—who created it, where, when and what it's about (species, questions). It also tells people where and how they can find and re-use it.

Describe data with controlled vocabularies and metadata standards so others can discover, interpret and effectively use it.

➢ **Identify confidential information (personal data)**

- Remove, or
- Anonymize, or
- Make them private

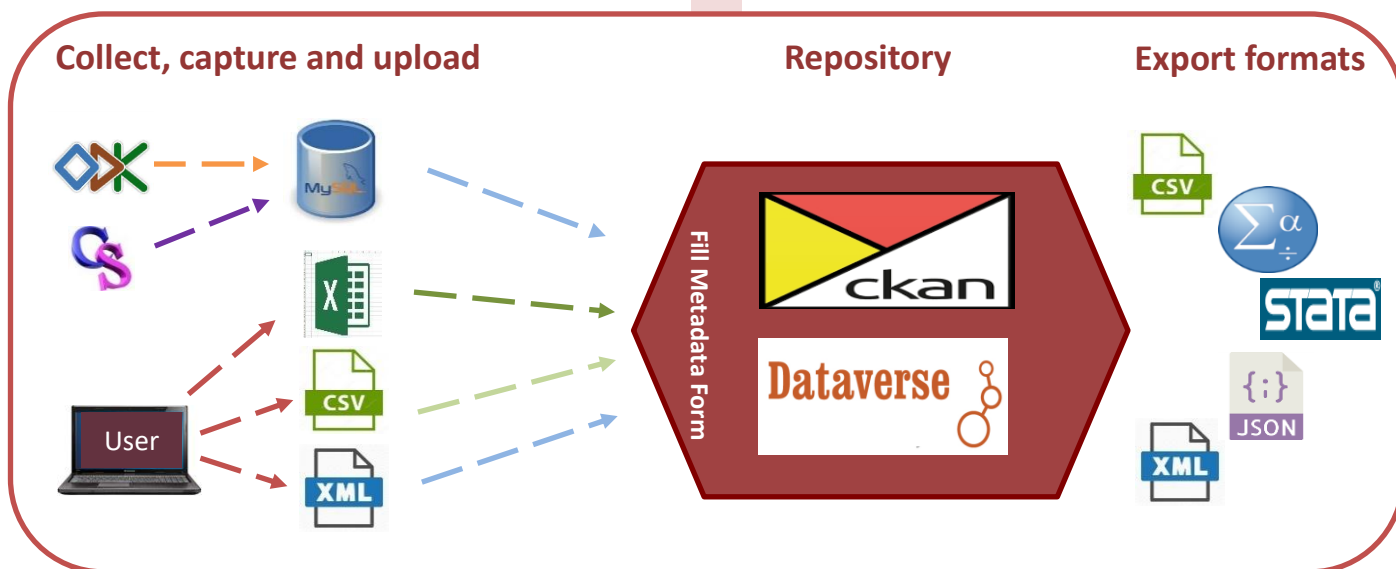Private data requires authorized access e.g. farmer IDs, ongoing survey data

ILRI's data is publicly accessible under a Creative Commons Licence.

➢ **Preferred (open) file formats include**

- **Databases**: SQL, XML, CSV
- **Geospatial**: SHP, DBF, GeoTIFF, NetCDF
- **Statistics**: ASCII, DTA, POR, SAS, SAV
- **Tabular data**: CSV
- **Text**: XML, PDF/A, HTML, ASCII, UTF-8

Collect, capture and upload   **Repository**   **Export formats**

Making ILRI data open

Data Portal

http://data.ilri.org/portal

Open access

The ILRI Data Portal makes ILRI's open access datasets globally available. It is also the main access point for data generated by the CGIAR Research Program on Livestock and hosts data from other CGIAR Research Programs and CGIAR centres as part of cross-centre collaboration on open access of research data.

Data across ILRI and our partners are added to database servers, together with detailed metadata (DDI standard) and from there are then published to the Data Portal.

Open source

- The Data Portal is currently a Comprehensive Knowledge Archive Network (CKAN) web-based open source platform allowing interoperability with other open source systems.

Searching

- Datasets are linked to CRPs, regions and countries, species and other tags added by publishers making it easy to query.
- The data may also be directly linked to related documents—both within the portal (e.g. survey tool), and externally (e.g. publications - https://cgspace.cgiar.org)
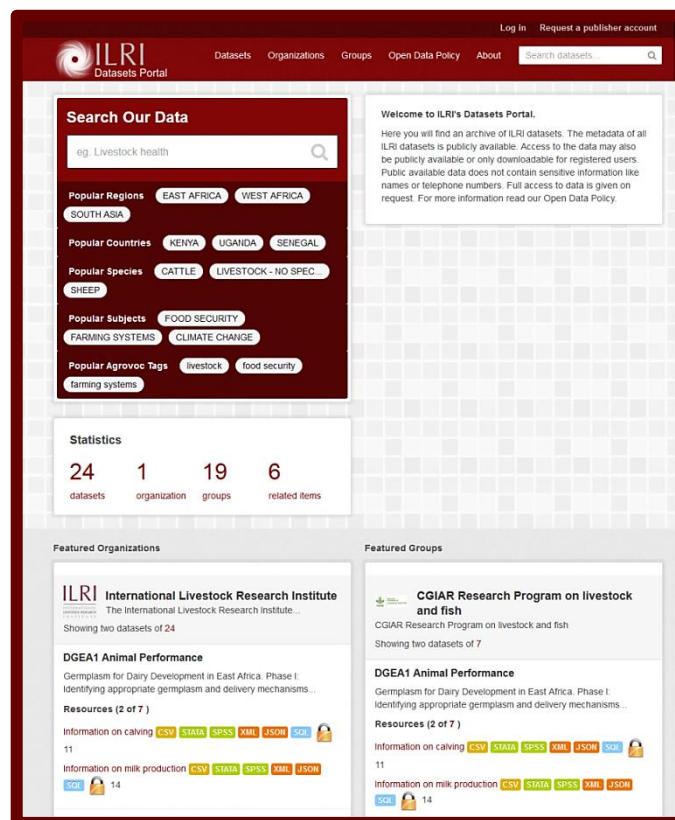
Downloading and exporting

- Data can be downloaded in several common formats to simplify presentation, analysis and/or further data management of the data.
- For users with limited internet connectivity data can be downloaded in small segments.

Linking

- The Data Portal can be linked to other Open Data initiatives to increase the exposure and accessibility of our datasets.
- We are linked to OpenAfrica (africaopendata.org) so when users of this portal look for ILRI related data they see our published datasets.

Availability

- Data made available through the portal are licensed under a Creative Commons Attribution 4.0 License.
- Availability is subject to the legal rights and legitimate interests of stakeholders and third parties, including intellectual property rights, confidentiality, sensitivity, farmers' rights and privacy.

- Any data that may be accessed directly through the portal are anonymized and/or summarized.
- Access is controlled via metadata elements associated with each dataset (the padlock symbol below indicates that access to these data is controlled via an offline application and non-disclosure form of agreement).

Future plans

- Visualize data using maps and in-built analysis (graphs and tables)
- Cross-dataset analyses and summaries of key ILRI indicators

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