# DRI Data Legacy

Manitoba Users Workshop

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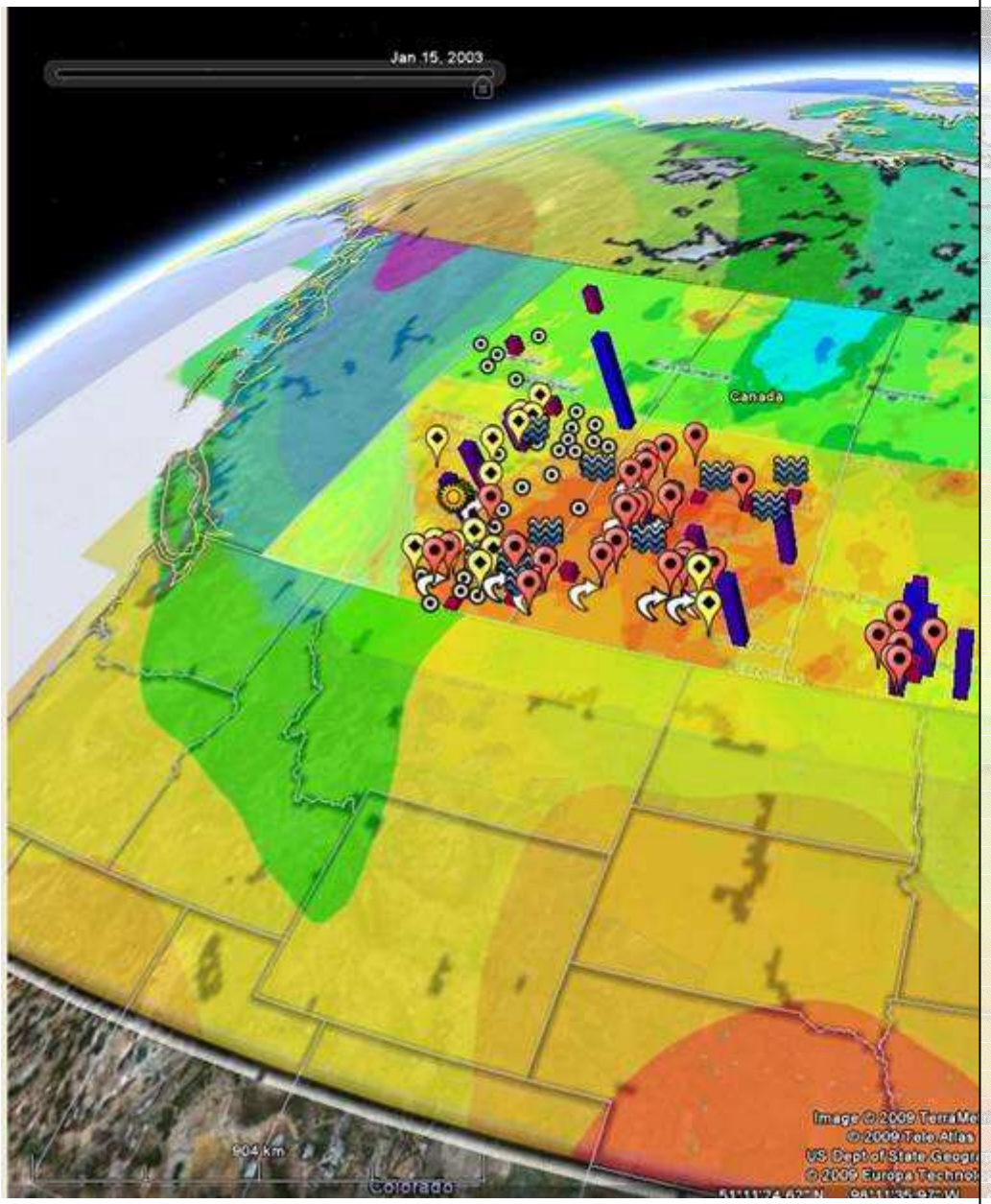
# DRI Data Legacy

- is an effort to integrate and synthesize access to the data of DRI
- it will be developed to make data available to end users after DRI is completed
- consist of
  - a comprehensive centralized store of metadata
  - Datasets that are available will be accessible through data legacy
  - data will be visualized through Google Earth where applicable




# Selection of Data used in DRI

- GRACE Satellite Data
- Observational Groundwater
- Observational Meteorological Stations
- Gridded Temperature and Precipitation
- Hydrometric Stations
- In-situ Soil Moisture
- Dust Strom Occurrence
- Eddy Correlation
- Reanalyses Products
- Satellite Derived Cloud Data
- Spring Pond Counts
- Modelled Soil Moisture
- Modelled Evapotranspiration
- Modelled Plant Available Water
- Modelled Spring Freshet, SWE, SCA….
- Snowcover Area
- Historical seasonal/monthly forecasts
- and much more……..

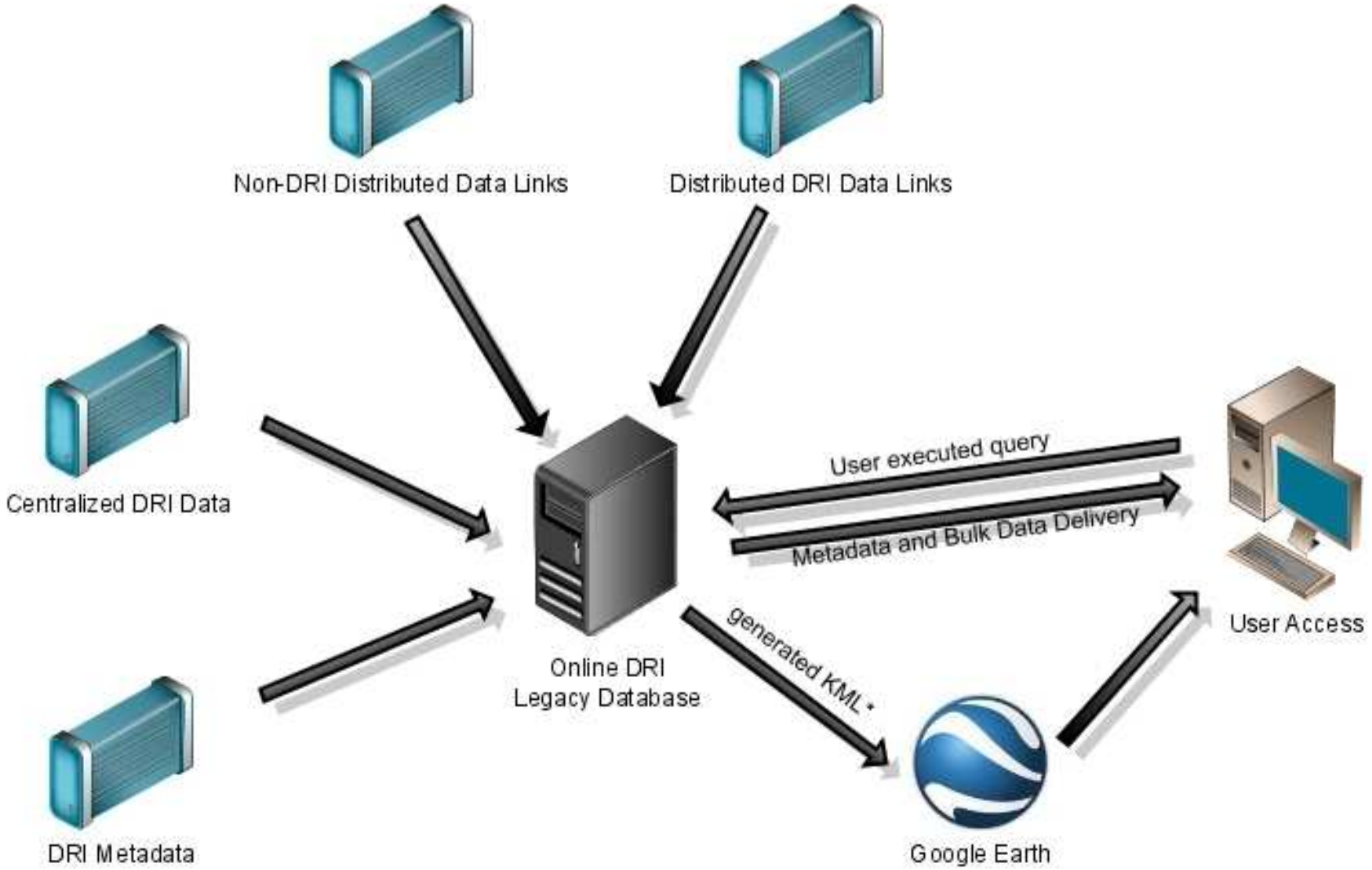
# Phase 1 - Metadata

- DRI has adopted the metadata standard ISO 19115:
  - convergence towards ISO 19115 in scientific community
- Standard will allow DRI meta data to be included in:
  - GEO, World Change Master Directory etc… and other data portals that use ISO 19115 as metadata standard
- Metadata is being organized into a searchable relational database

# Phase 2 - Data

- Nature of DRI datasets is unique:
  - Historic focus (1999-2004/2005) means data often collected by other agencies
- Tricky to define what a DRI datasets is and which ones to archive?
- Data Organization Route:
  - Online Metadata Database/List will serve as data access portal
  - Available data - centralized archive
  - Unavailable data - distributed archive (links)
- Google Earth will be used as an interactive data visualization tool were applicable

# DRI Drought Data Legacy and Decision Support Mechanism




*KML only generated if selected data is from the Centralized DRI Data

# Progress

- Online metadata form operational and collecting information
- Collection of datasets has begun
- Developed a DRI Data Legacy Policy for after the network ends
- Developing of DRI Data Legacy Metadata Database
- Have had commitments from 73% of the DRI investigators

# Stewardship after DRI ends

- Data legacy will be made publicly available online after DRI is scheduled to end
- Current plans are for two archive locations
  - Environment Canada in Montreal
  - National Center for Atmospheric Research (NCAR) in Boulder Colorado