











Other Short-Term Steps

- Connecting other kinds of data through space/time
 Financial data, health data, etc.
- Linking data and OKN to encyclopedias and reference works
- Ratings from consumers
- Capture intent of queries
 - Customization and presentation to types of usersGranularity, uncertainty, etc.
- Data quality

Mid-Term Steps: (I) The Social Network of Data (think Facebook) Connecting data with Connecting data with people and organizations software Landing page for key Link to visualization software that is useful for datasets a dataset People could Link to pre-processing Comment on data software appropriate for Rate data data type/format Link data to providers Link to models can be Link users of same used with a dataset datasets • Providers can see it!

Mid-Term Steps: (II) NL Query Interfaces for Space/Time Data Other Mid-Term Steps Problem: lots of data already available through APIs but Data fusion tools only accessible if one knows endpoint and language · When many datasets/sources are available • NASA, CUAHSI, BCO-DMO, LTER,... Easy mapping across vocabularies/ontologies Approach: Immediate need for SWEET <> ENVO Make them accessible through search engines "What-if scenario" queries · Natural language queries focused on data on time and space What would happen if there is a drought for 5 years should retrieve data from existing repositories · What happens to my house if water levels reach 1m in river pass · Build on the analysis of queries proposed earlier Are my insurance premiums likely to raise Real-time data • Eg rainfall during a tornado Very large amount of "dark data" · Collected by individual investigators, shelved in hard drives