

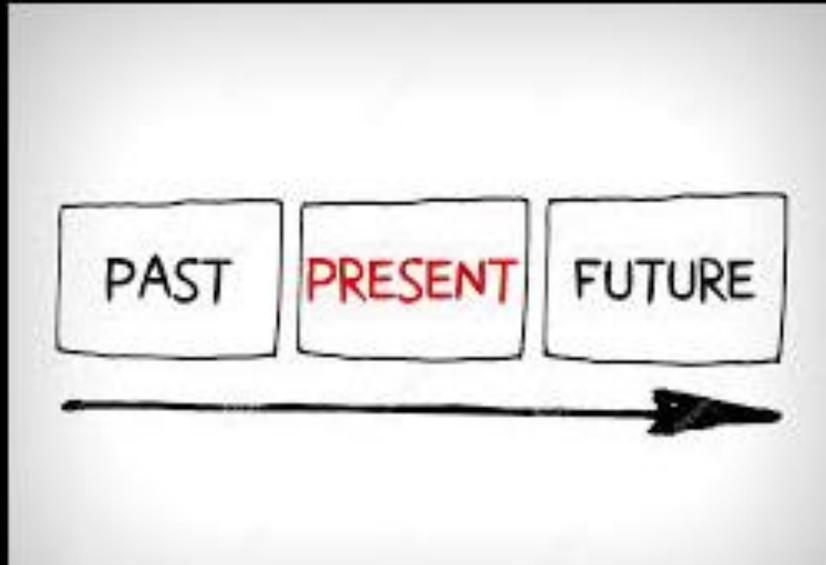
Data Collections

Neal Ensor

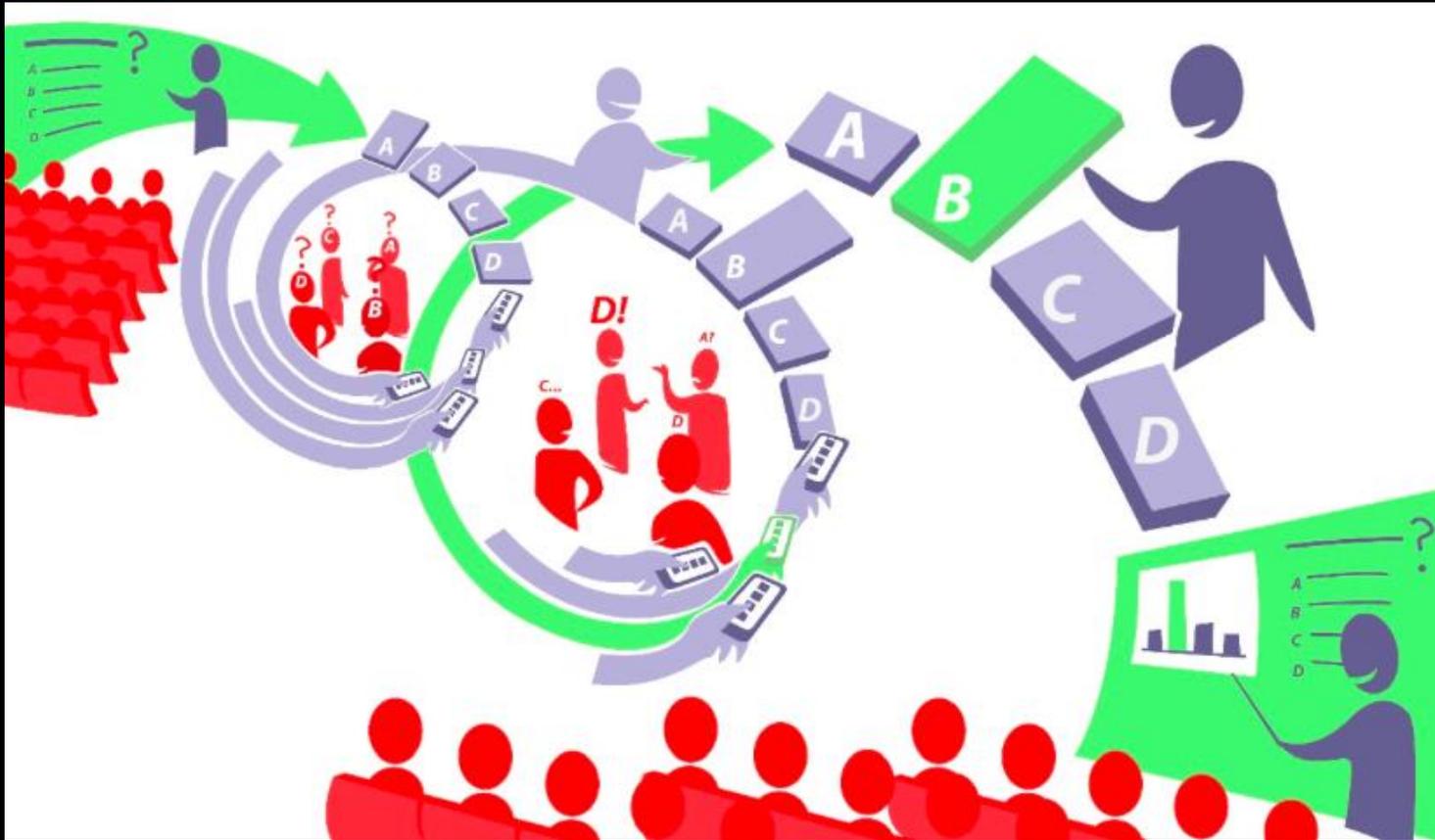


OSTI.GOV

Overview



- The evolution of OSTI Data Collections
 - Past
 - Present
 - Future

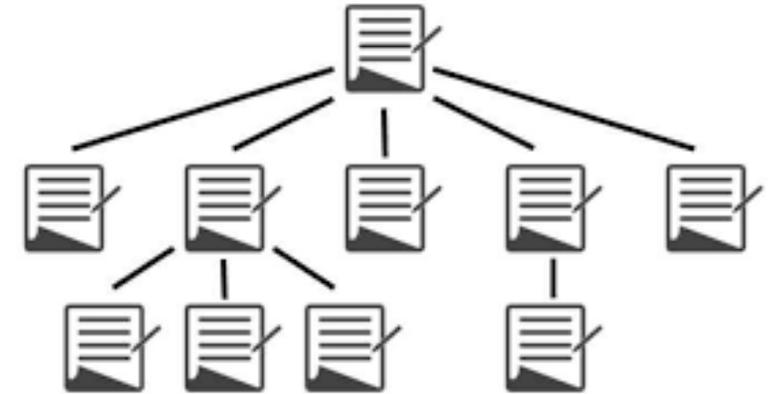


History of Data Collections

- Need based collection requested by one OSTI data client
- Metadata “Mashups”
- All individual data objects were already identified in E-Link
- Need for a “bucket” to place data objects
- The collection had to come after the data objects
- “collection_items” used to compile a collection

Data Collections Now

- After discussions with several data clients, OSTI amended Data Collections.
- Create the collection by:
 - Create the collection “bucket” at anytime
 - Related Identifier “Compiles”
 - Add/edit data objects to the collection “bucket” as they are created
 - Add any DOI to a Data Collection, not just a Data DOI
 - Interlink your research



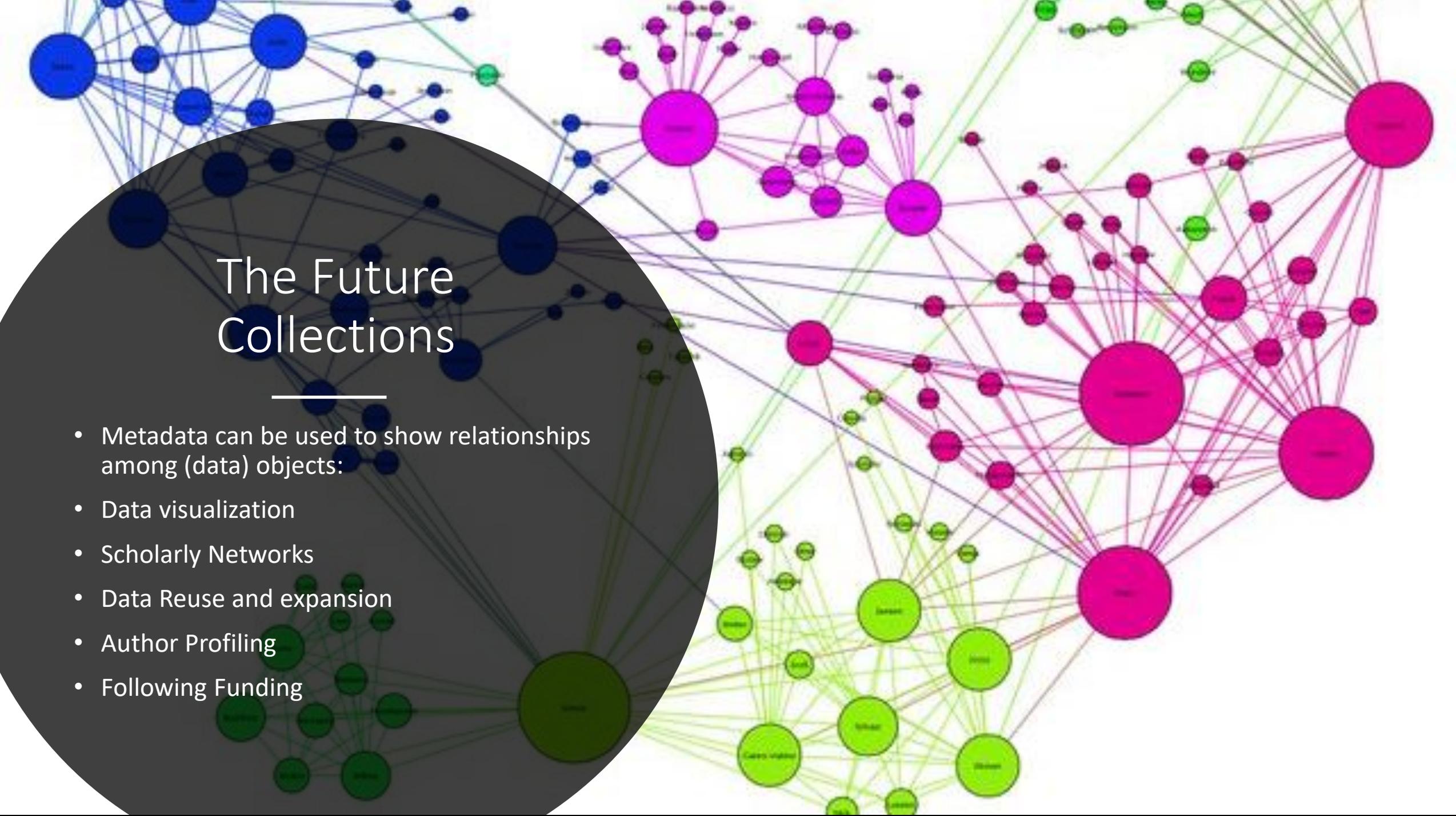
E-Link Collection Updates

- Removed **automatic** field mash-ups
- Primary author indication allowed
- Collection is created by “Compiles/IsCompiledBy” Related Identifier(s)
- Improved API functionality to `</add>` and or `</remove>`
- Collection does not require URL/landing page
- OSTI does not have to “own” a collection item

```

<records>
  <record>
    <title>A Sample Data Collection</title>
    <product_type>DC</product_type>
    <description>An optional description of this Data Collection</description>
    <contributors>
      <contributor contributorType="Researcher">
        <first_name>Mister</first_name>
        <last_name>Example</last_name>
        <private_email>mrexample@something.com</private_email>
      </contributor>
    </contributors>
    <reidentifiersblock>
      <reidentifier_detail relatedIdentifierType="osti_id" relationType="Compiles/IsCompiledBy">
        <related_identifier>12345</related_identifier>
      </reidentifier_detail>
      <reidentifier_detail relatedIdentifierType="doi" relationType="Compiles/IsCompiledBy">
        <related_identifier>10.5072/dataset/283</related_identifier>
      </reidentifier_detail>
      <reidentifier_detail relatedIdentifierType="accession_num" relationType="Compiles/IsCompiledBy">
        <related_identifier>my-data-set-001</related_identifier>
      </reidentifier_detail>
    </reidentifiersblock>
    <site_url>https://mysite.com/my-data-set/landing_page.html</site_url>
  </record>
</records>

```



The Future Collections

- Metadata can be used to show relationships among (data) objects:
- Data visualization
- Scholarly Networks
- Data Reuse and expansion
- Author Profiling
- Following Funding



The F_T_RE Looks Different
without U^*

- Discuss Data Collections
- What are your current Data Collection needs...what will the future necessitate?

For your Consideration

- What do you consider a data collection?
- How do you organize or think about organizing your data?
- What functionalities/purpose do you want your collection to serve?
- Thoughts on the change to data collection ingest?
- Do you think you will utilize collections? How? OR Why (not)?