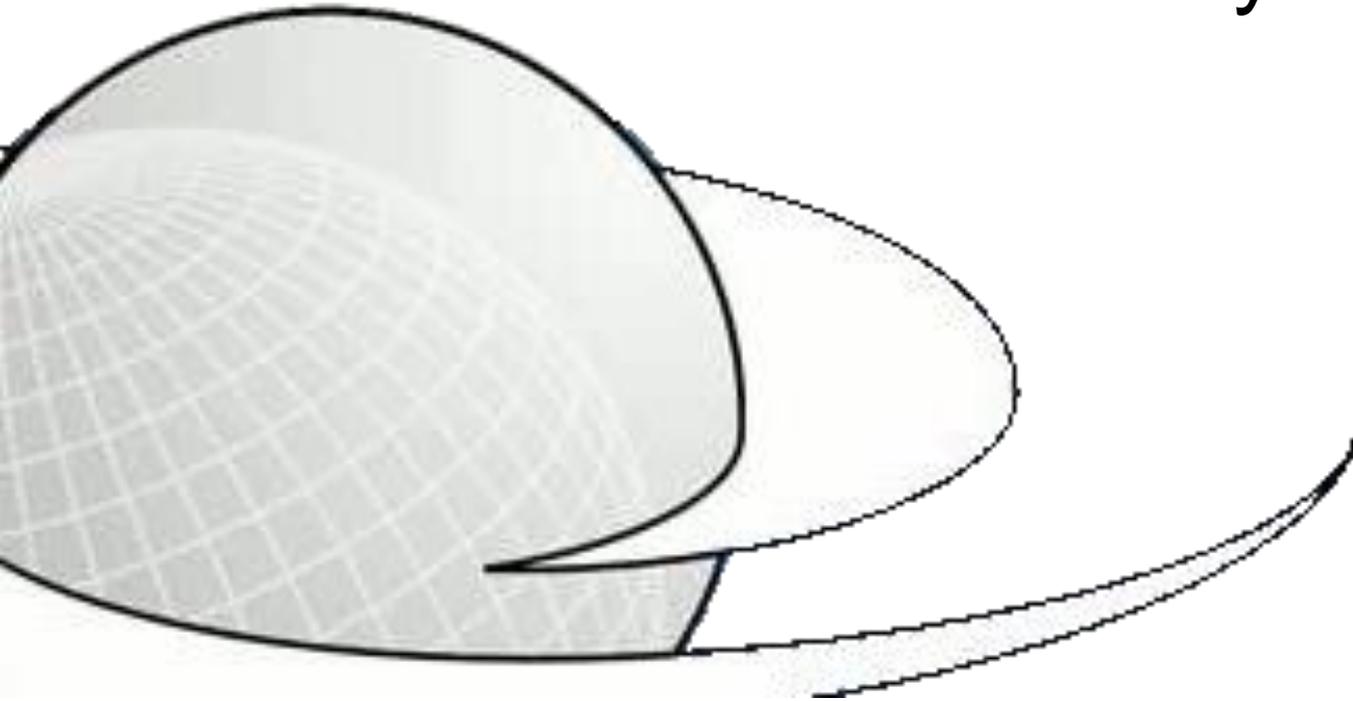# Better way to register collections and services

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Context: Best practices for registering

- Current practice
  - *May* register a collection of data
  - Register services accessing collection separately
    - Can relate to collection if that resource exists
  - No consistent practice

- Problems with current practice
  - Which should include certain info table metadata
  - "Joining" resources with different parts of the information

- Proposal: recommend a best practice
  - One resourse per collection, include all services that access it

DataCollection + CatalogService

- Combine roles of two VOResource types:
  - DataCollection
  - CatalogService: allows description of service interfaces – Capability elements

- Solution 1: just use existing CatalogService as is
  - \+ Has all the metadata components needed
  - – Semantic meaning not quite right

- Solution 2: Define a new resource type – "VODataCollection"
  - \+ Has components and semantics needed
  - – Requires new resource standard
    - – implications
  - Consider revision to VODataService standard.