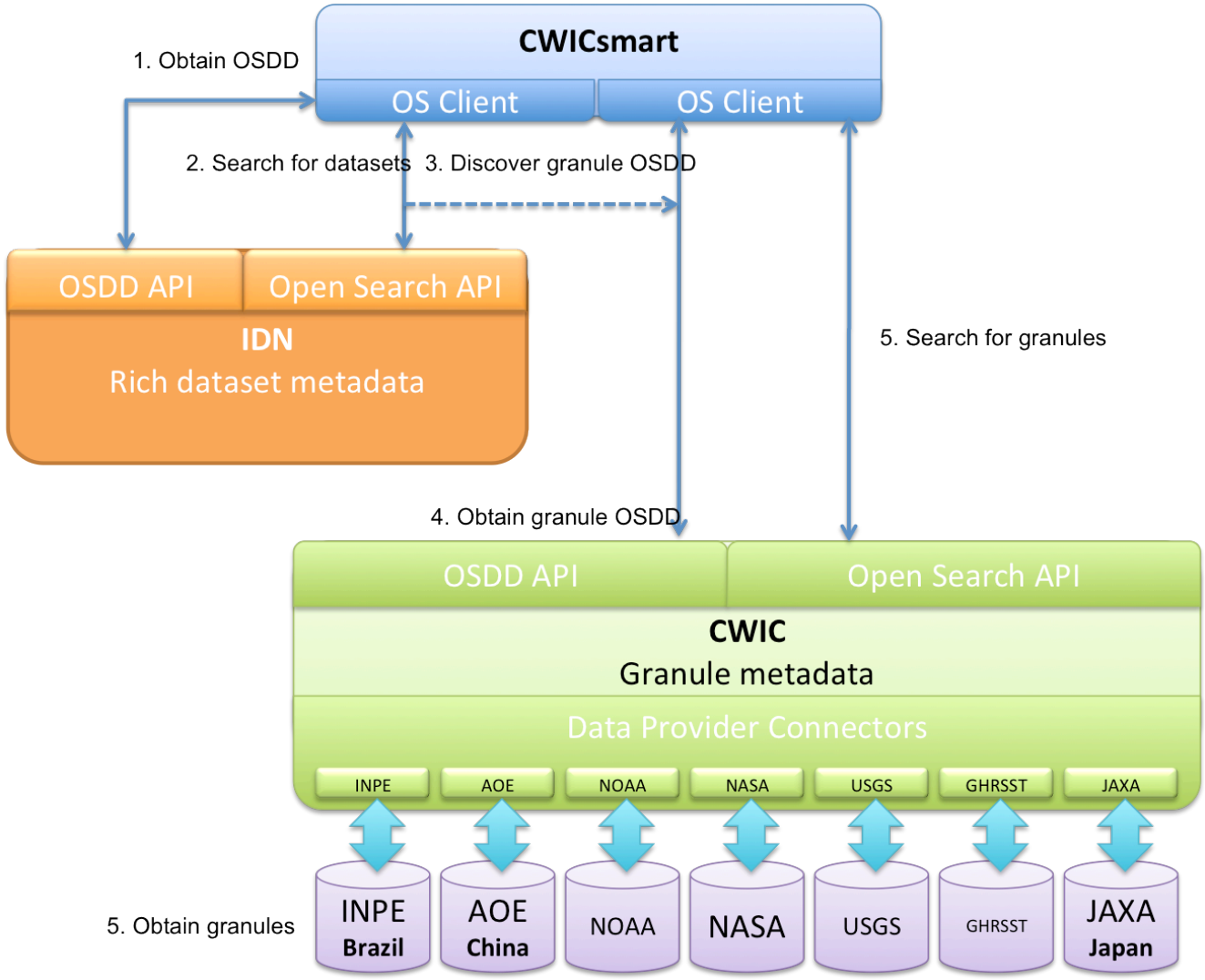
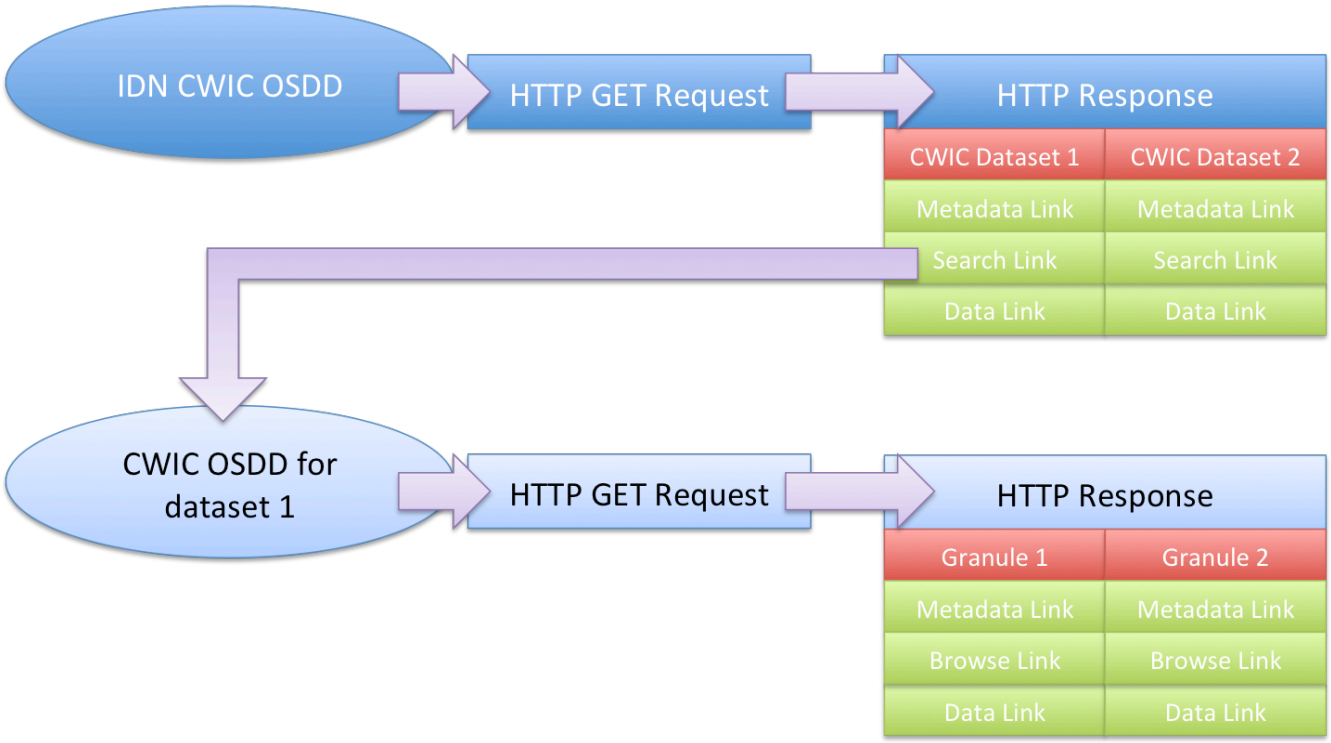
CWIC Open Search Architecture



Use Case for the CWICsmart client

1. I retrieve an IDN Open Search Descriptor Document (OSDD)
2. I construct a query using the IDN OSDD and send it to the IDN Open Search query end point
3. IDN Open Search returns an ATOM feed containing zero or more entries corresponding to dataset resources
    - Each entry contains a spatial extent and a temporal extent if applicable
4. Each entry contains links to
    - Metadata
    - Data
    - Browse
    - Documentation
    - More searching
5. I identify a dataset of interest via interrogation of metadata, browse imagery and documentation
6. I retrieve the OSDD associated with that dataset via the 'more searching' link and contruct a query to CWIC's Open Search query end point for granules associated with that dataset
7. CWIC Open Search returns an ATOM feed containing zero or more entries corresponding to granule resources
    - Each entry contains a spatial extent and a temporal extent if applicable
8. Each entry contains links to
    - Metadata
    - Data
    - Browse
    - Documentation


IDN CWIC OSDD
HTTP GET Request
HTTP Response
CWIC Dataset 1
CWIC Dataset 2
Metadata Link
Metadata Link
Search Link
Search Link
Data Link
Data Link
CWIC OSDD for dataset 1
HTTP GET Request
HTTP Response
Granule 1
Granule 2
Metadata Link
Metadata Link
Browse Link
Browse Link
Data Link
Data Link