- requirements
    - resolve a single URI for a data product into multiple URLs for download
    - provide some metadata about download
    - provide links to alternate representations: preview, alternate data format
    - provide links to related downloads: calibration file(s) to go with raw data
    - provide links to services: cutout is top priority

- web service API:

  `http://beta/datalink/pub?uri=<...>`

  - GET or POST

  - multiple URI params allowed

  - MAXREC

  - RESPONSEFORMAT (default: VOTable)

- basically looks like a DALI-sync service with one parameter: URI(s) discovered elsewhere

- VOTable output has fields:
    - uri: the input URI
    - contentLength
    - contentType
    - productType (small set of labels from CAOM-2.0)
    - url: the link
- driving use cases:
    - multiple URLs per URI
    - filter the downloads by productType(s)

CADC DataLink Prototype

- currently working on links to cutout
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- need field(s) to describe primary vs alternate or related downloads
  - productType is specific to CAOM-2.0