

Customizable metadata

@ the Maastricht Data Repository

iRODS UGM 07-07-2022

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https://github.com/MaastrichtUniversity







Why customizable metadata

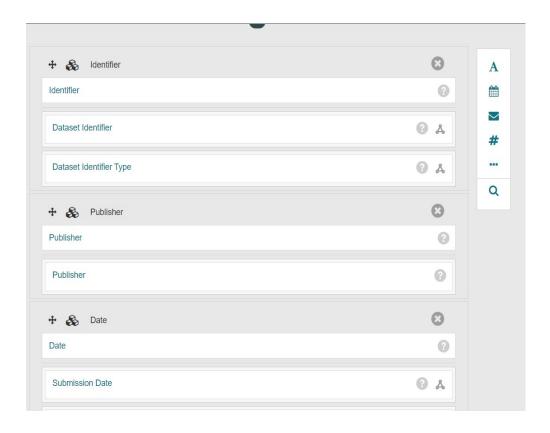
- Many user/data steward requests for customizable metadata
- Field/User/Project specific metadata
- As much self service as possible
- FAIR
- Single static form (XML) to dynamic json(-ld)/schema







CEDAR Metadata Editor



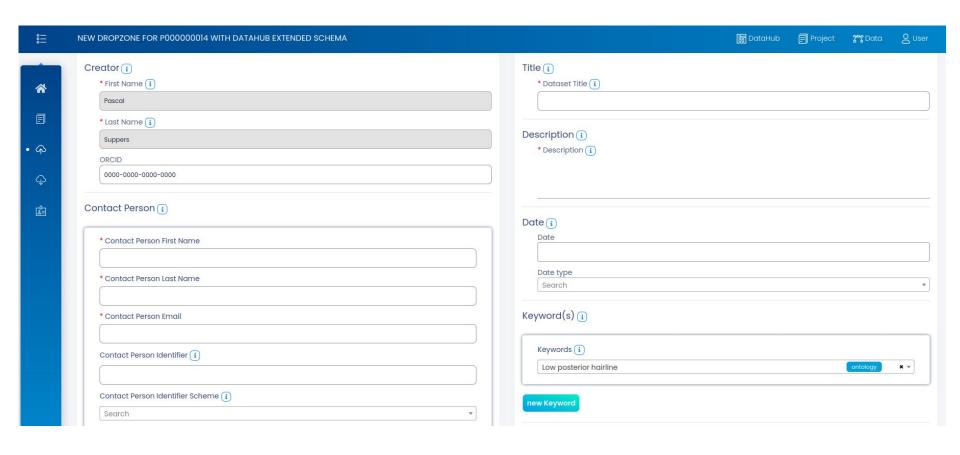
```
₩ JSON Schema
 "@type": "https://schema.metadatacenter.org/core/Template",
  "xsd": "http://www.w3.org/2001/XMLSchema#",
  "pav": "http://purl.org/pav/",
   "bibo": "http://purl.org/ontology/bibo/",
  "oslc": "http://open-services.net/ns/core#",
  "schema": "http://schema.org/",
   "schema:name": {
    "@type": "xsd:string"
   "schema:description": {
    "@type": "xsd:string"
   "pav:createdOn": {
     "@type": "xsd:dateTime"
   "pav:createdBy": {
     "@type": "@id"
   "pav:lastUpdatedOn": {
     "@type": "xsd:dateTime"
  "oslc:modifiedBy": {
     "@type": "@id"
},
 "type": "object",
 "title": "Copy of datahub general template template schema",
 "description": "Copy of datahub general template template schema generated by the
```

https://cedar.metadatacenter.org/





MDR integration



Django as framework https://www.djangoproject.com/





iRODS integration

```
irods@irods:/$ ils -r /nlmumc/projects/P000000014/C000000001/
/nlmumc/projects/P000000014/C000000001:
    instance.json
    schema.json
    C- /nlmumc/projects/P0000000014/C000000001/.metadata_versions
/nlmumc/projects/P000000014/C000000001/.metadata_versions:
    instance.1.json
    instance.2.json
    instance.3.json
    schema.1.json
    schema.2.json
    schema.3.json
    irods@irods:/$
```

```
"7 ContactPerson": [
        "contactFullName": {
            "@value": "Daniel Theunissen"
        "contactAffiliation": {},
        "contactNameIdentifier": {
            "@value": null
       },
        "contactEmail": {
            "@value": "d@example.nl"
        },
        "contactNameIdentifierScheme": {},
        "contactFamilyName": {
            "@value": "Theunissen"
        },
        "contactGivenName": {
            "@value": "Daniel"
        },
        "contactType": {
            "rdfs:label": "contact person",
            "@id": "http://purl.org/zonmw/generic/10089"
        },
```















































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