1) Analysis

1.1) WMDR info
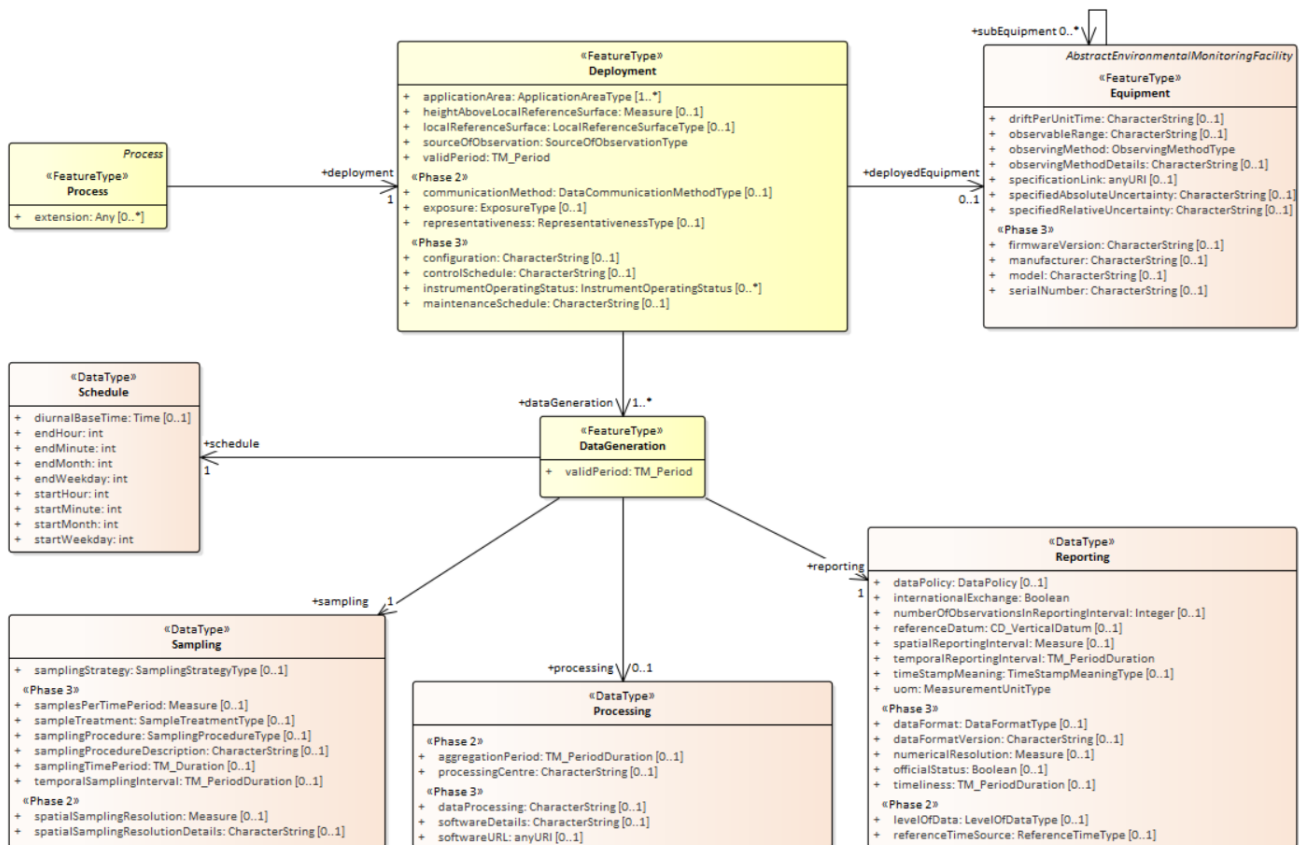
In WMDR rc09

https://schemas.wmo.int/wmdr/1.0RC9/html/index.html

Data Policy is under the Reporting Class with 2 elements:
DataPolicy and internationalExchange.

DataPolicy contains an Attribution Type (composed of CI_ResponsibleParty, CI_OnlineResource, CharacterString) and a DataPolicyType with is the WMOCode list containing (WMOAdditional, WMOEssential, WMOOther).

1.2) Definition in the manual on WIGOS

(https://library.wmo.int/doc_num.php?explnum_id=3653) p38:

Details relating to the use and limitations surrounding data imposed by the supervising organizationDetails relating to the use and limitations surrounding data
imposed by the supervising organization.

1.3) Definitions of the codlist table which is used in WIGOS.

Definition is here from this document (Manual on WIS) from p29:
http://wis.wmo.int/file=3291

WMOOther is used as is for qualifying a product with a Data Policy other than resolution 40 Data Policies, eg:

gmd:otherConstraints
gco:CharacterStringWMOOther
Ordnance Survey Open Data License [https://www.ordnancesurvey.co.uk/docs/licences/os-opendata-licence.pdf]

```
</gco:CharacterString>
</gmd:otherConstraints>
```

2) Proposal during the WIGOS meeting

The code list is currently only containing WMOAdditional, WMOEssential and WMOOther. It is proposed to additionally add only the creative commons licenses in the code list. This limits the definition of the licenses.

What about other kind of observations that are not qualified by one of those licenses (eg, Ordnance Survey Open Data License, Ordonance Survey Free of Use Data', EUMETSAT Data Policy, ...). There might be a lot of observations that are ready to be described with WIGOS with a proprietary license.

PROS: Short solution for qualifying licenses that are in the codelist.
CONS: Very limiting for adding the different data policies.

3) Proposed Solutions

3.1) Solution 1

One solution could be to redefine completely the DataPolicy part and describe it using an ISO 19115-2 resourceConstraints type in the same way as it is defined for the WIS and apply the same rules and constraints (see p29 of http://wis.wmo.int/file=3291)

```
<wmdr:dataPolicy>
 <wmdr:attribution>
  ...
 </wmdr:attribution>
<gmd:resourceConstraints>
  <gmd:MD_LegalConstraints>
    <!--  Add useLimitation to indicate the limitations of usage for the data  -->
      <gmd:useLimitation>
        <gco:CharacterString>Disclaimer - While every effort has been made to ensure that
these data are accurate and reliable within the limits of the current state of the art,
OrganisationX cannot assume liability for any damages caused by any errors or omissions in the
data, nor as a result of the failure of the data to function on a particular system.
OrganisationX makes no warranty, expressed or implied, nor does the fact of distribution
constitute such a warranty.
        </gco:CharacterString>
      </gmd:useLimitation>
      <gmd:accessConstraints>
<gmd:MD_RestrictionCode
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/C

          codeListValue="copyright">copyright</gmd:MD_RestrictionCode>
      </gmd:accessConstraints>
      <gmd:useConstraints>
        <gmd:MD_RestrictionCode
codeList="http://standards.iso.org/ittf/PubliclyAvailableStandards/ISO_19139_Schemas/resources/C

          codeListValue="copyright">copyright</gmd:MD_RestrictionCode>
      </gmd:useConstraints>
      <!--  Add WMOOther, to signal that the policy is applicable in the WMO Context -->
        <gmd:otherConstraints>
          <gco:CharacterString>WMOOther</gco:CharacterString>
        </gmd:otherConstraints>
```

```
<!--  Explanation expanding on WMOOther is added here (Point 2).  This explanatory detail is
also needed, when using a term like 'licence' or 'copyright'  -->
        <gmd:otherConstraints>
          <gco:CharacterString>
Ordnance Survey Open Data License [https://www.ordnancesurvey.co.uk/docs/licences/os-opendata-
licence.pdf] </gco:CharacterString>
        </gmd:otherConstraints>
    </gmd:MD_LegalConstraints>
</gmd:resourceConstraints>
```

Pros: Follow the same rules as for the WIS.

Cons: It is complicated and requires a proper guidance.

3.3) Solution 2

A simpler solution would be qualify the data policy with a URL (CI_OnlineResource).

```
<wmdr:dataPolicy>
 <wmdr:attribution>
    ...
 </wmdr:attribution>
 <!-- OrdnanceSurvey license example -->
 <gco:CharacterString>WMOOther</gco:CharacterString>
 <!-- Optional link -->
 <gmd:CI_OnlineResource>
    <gmd:linkage>
        <gmd:URL>
            https://www.ordnancesurvey.co.uk/docs/licences/os-opendata-licence.pdf
        </gmd:URL>
    </gmd:linkage>
</gmd:CI_OnlineResource>
 </wmdr:dataPolicy>
```

Pros: It is a simple solution for describing all licenses.

Cons: Not following the WIS guidance but it is similar to it.