

DCAT-eOS-AP v0.2 Metadata Schema

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DCAT-eOS-AP

LEGEND: UML Diagram

DCAT-eOS-AP v0.2: Data Catalog (Version 2)
Ecosystem for Open Science Application Profile v0.2

Class Diagram:

vocab:Class
+ vocab:property + vocab:property + vocab:property
:: Inherited Properties

Arrows:



Association

Vocabulary which describes how one Class is associated with another Class.
ie: dct:publisher links doe:Project Class with dcat:Resource Class



Inheritance

One Class inherits properties from the other Class



Line Jump

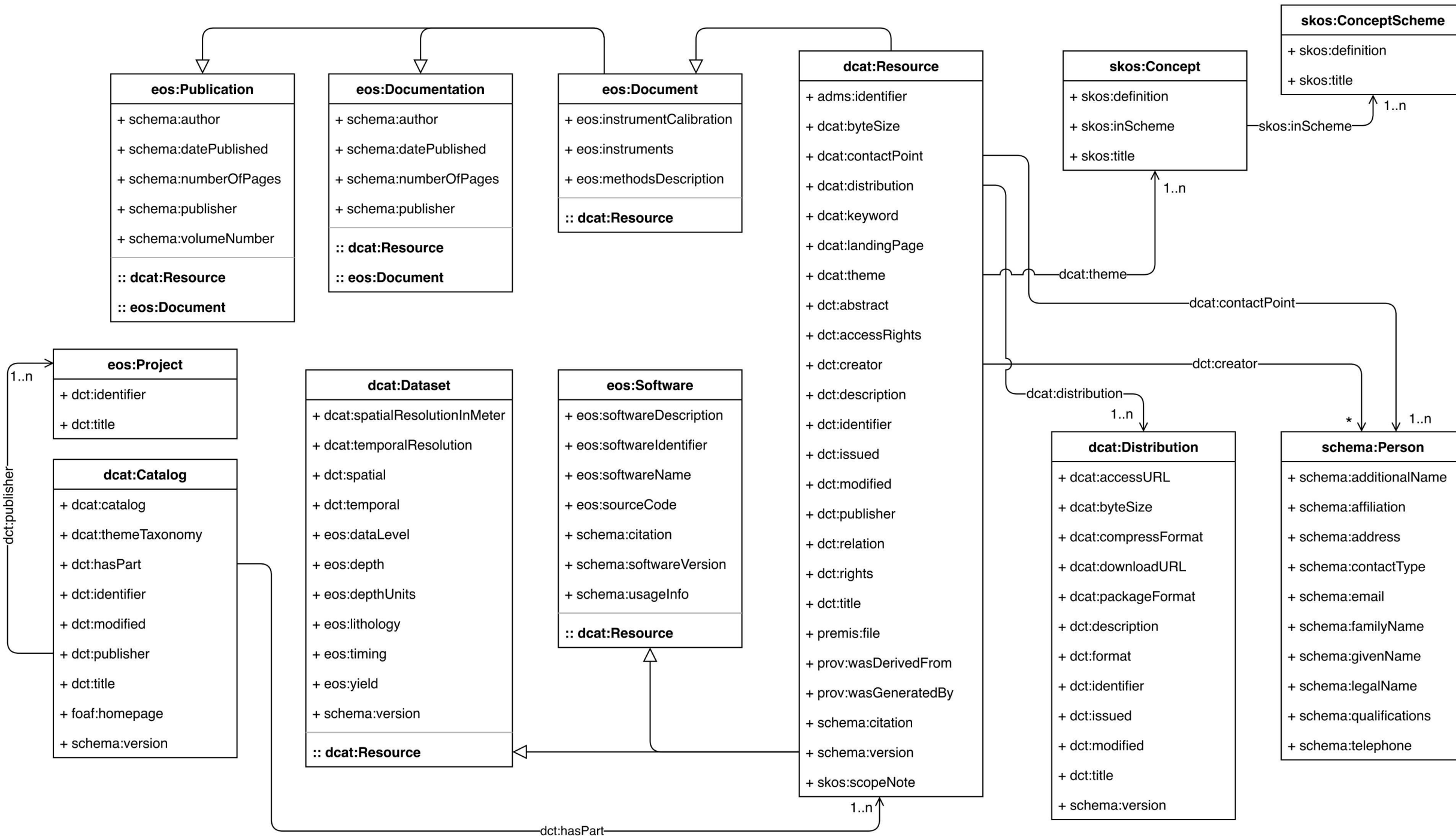
A line jump indicates there is no connection between interacting lines.

Cardinality Constraints:

- 1 Required, only 1 instance
- 1..n Required, unlimited instances
- 0..1 Optional, only 1 instance
- * Optional, unlimited instances

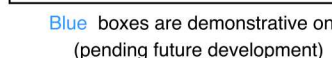
Metadata Vocabularies:

adms	Asset Description Metadata Schema
dct	Dublin Core
dcat	Data Catalog Vocabulary
eos	eOS-specific Vocabulary
foaf	Friend of a Friend Vocabulary
premis	PREMIS Vocabulary
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schema	Schema.org Vocabulary
skos	Simple Knowledge Organization System



LEGEND: UML Diagram

Class Diagram:



→ **Association**

→ Inheritance

One Class inherits properties from the other Class.

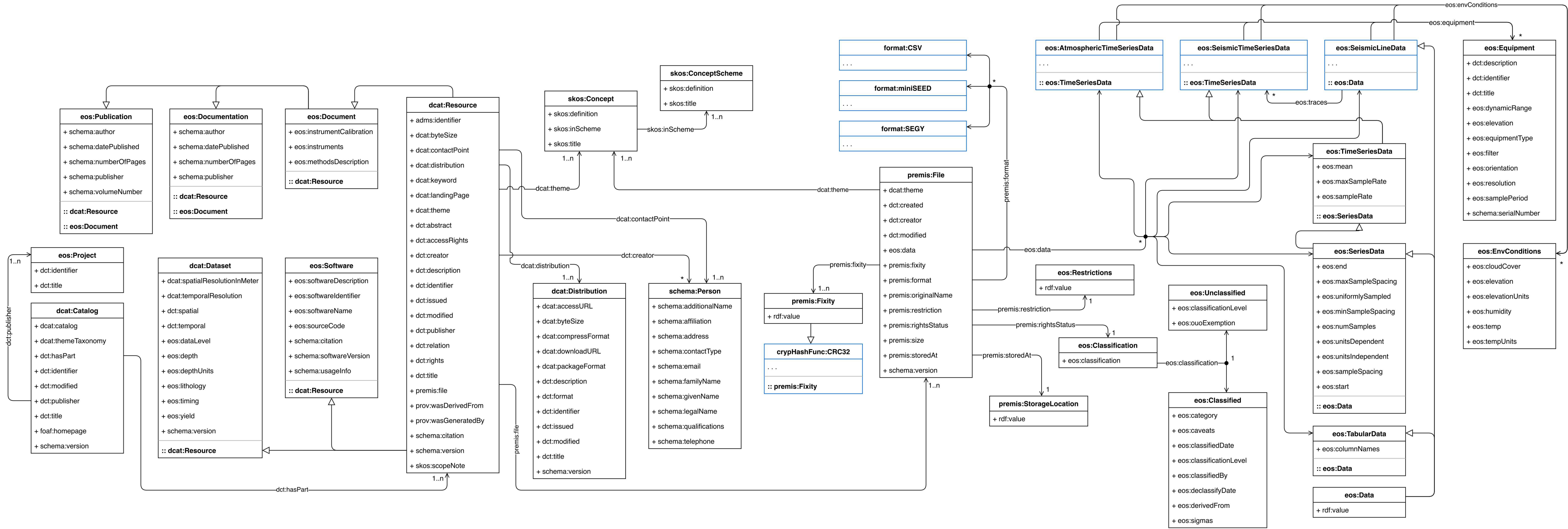
ie: dcat:Dataset inherits properties from dcat:Resource.

A junction dot indicates a connection between arrows. Cardinality constraints are placed at the junction dot.

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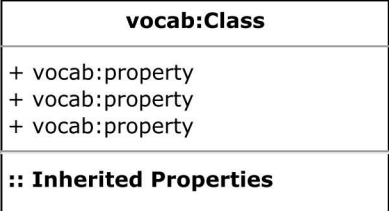


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Class Diagram:



Blue boxes are demonstrative only
(pending future development)

Arrows:

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ie: dct:publisher links doe:Project Class with dcat:Resource Class

 **Inheritance**
One Class inherits properties from the other Class.
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 **Line Jump**
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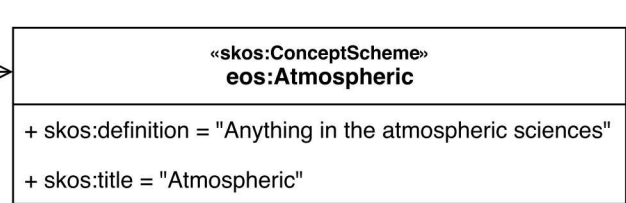
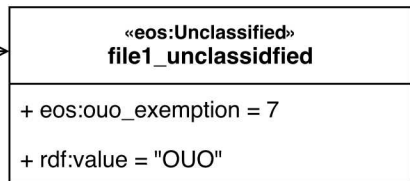
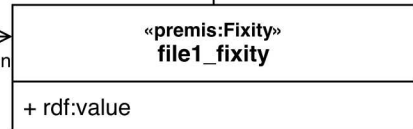
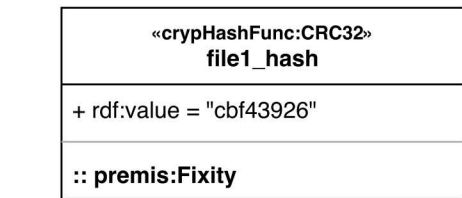
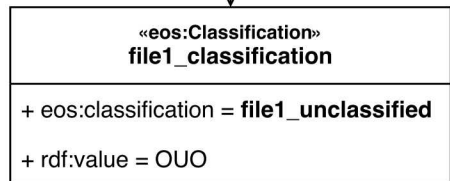
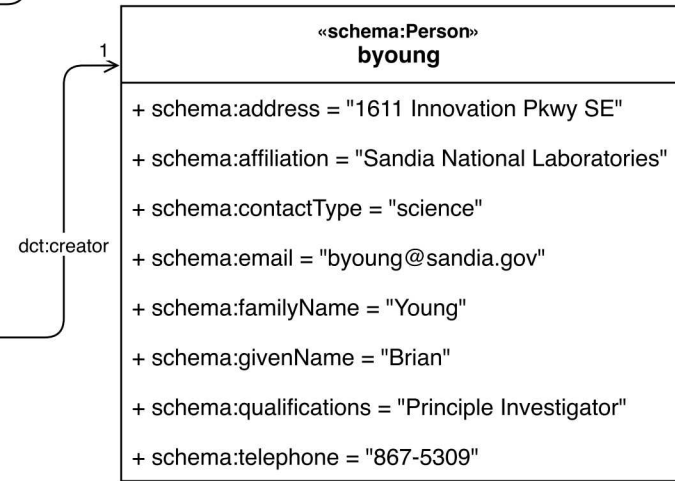
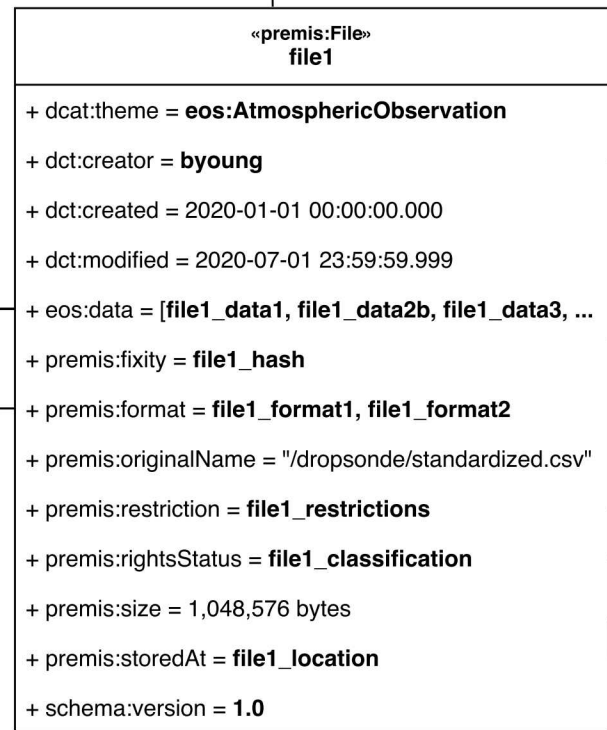
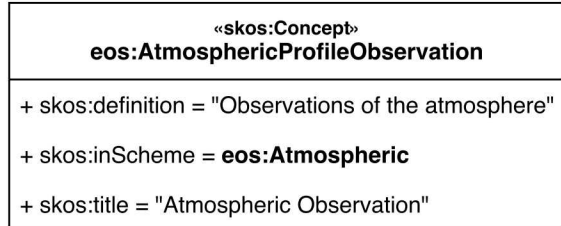
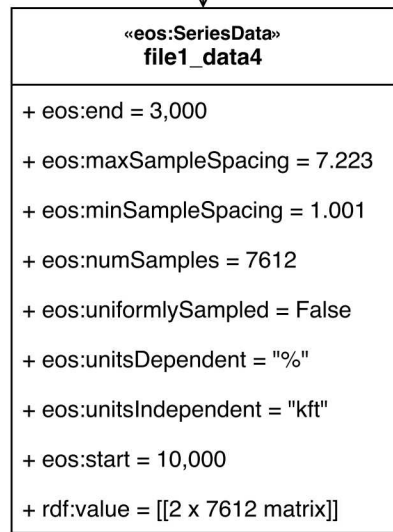
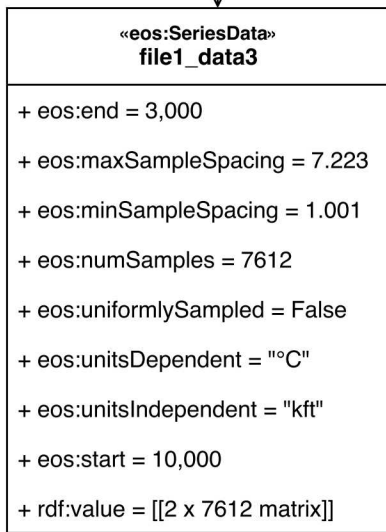
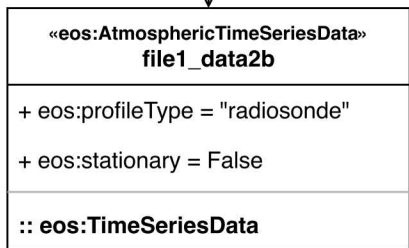
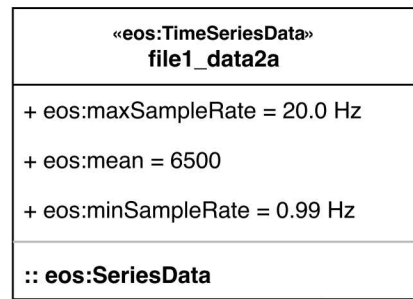
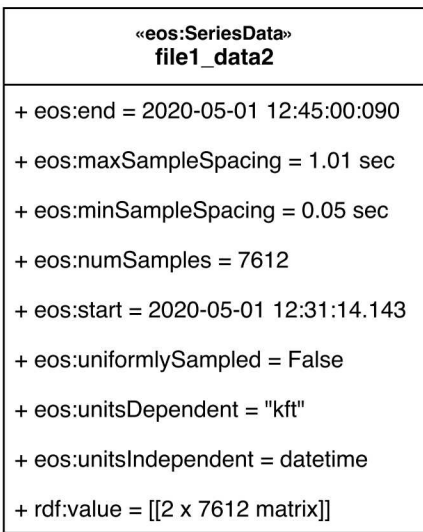
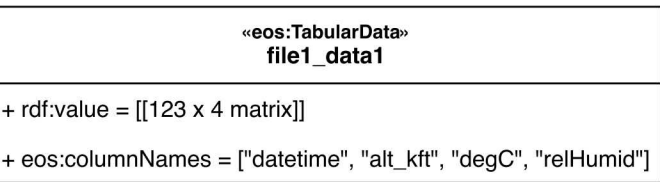
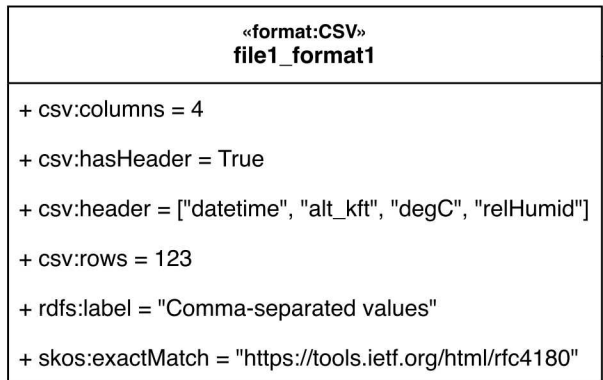
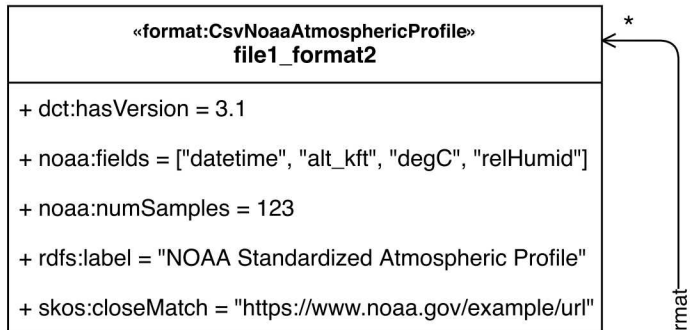
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Atmospheric Example 1



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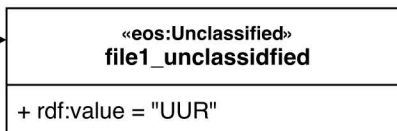
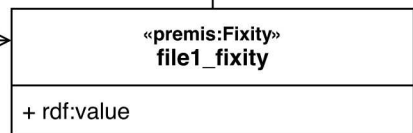
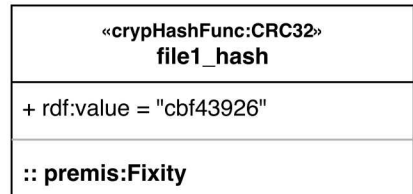
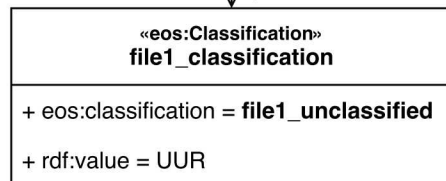
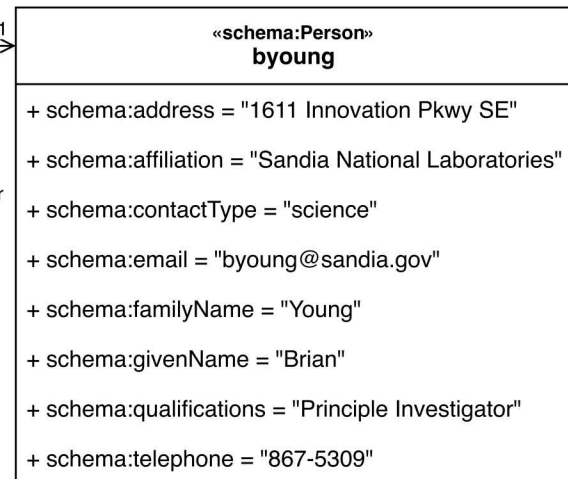
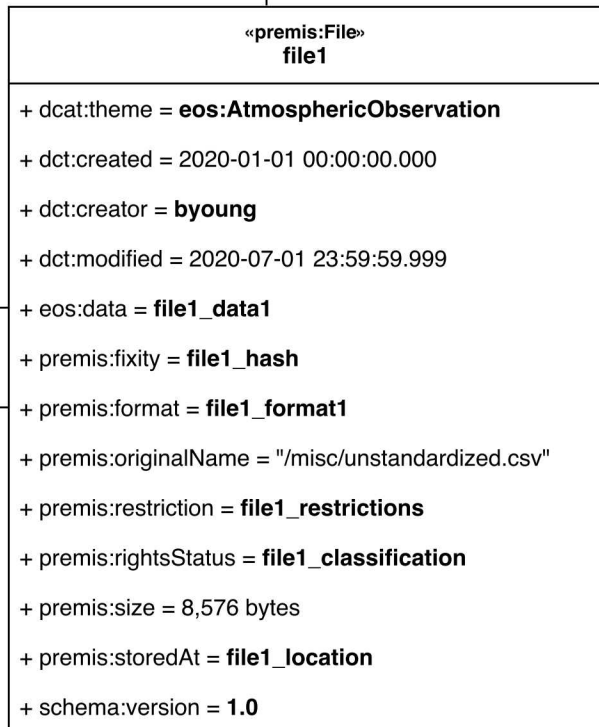
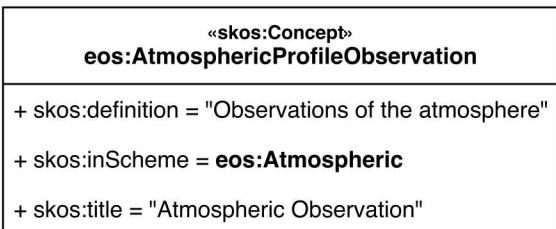
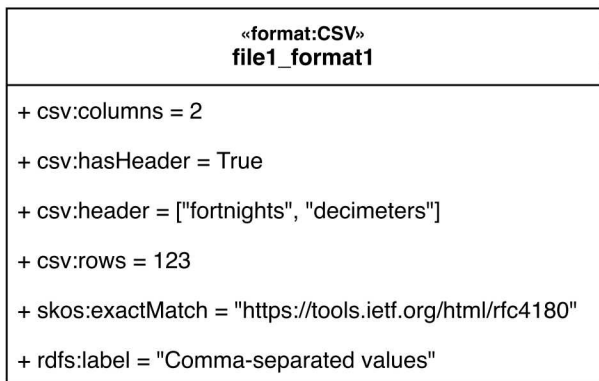
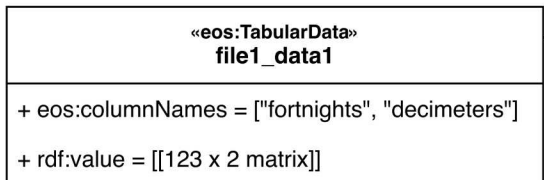
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Atmospheric Example 2



1..n
dcat:theme

*
eos:data

*
premis:format

1
dct:creator

1
premis:rightsStatus

1
premis:storedAt

skos:inScheme

1..n

1..n

1

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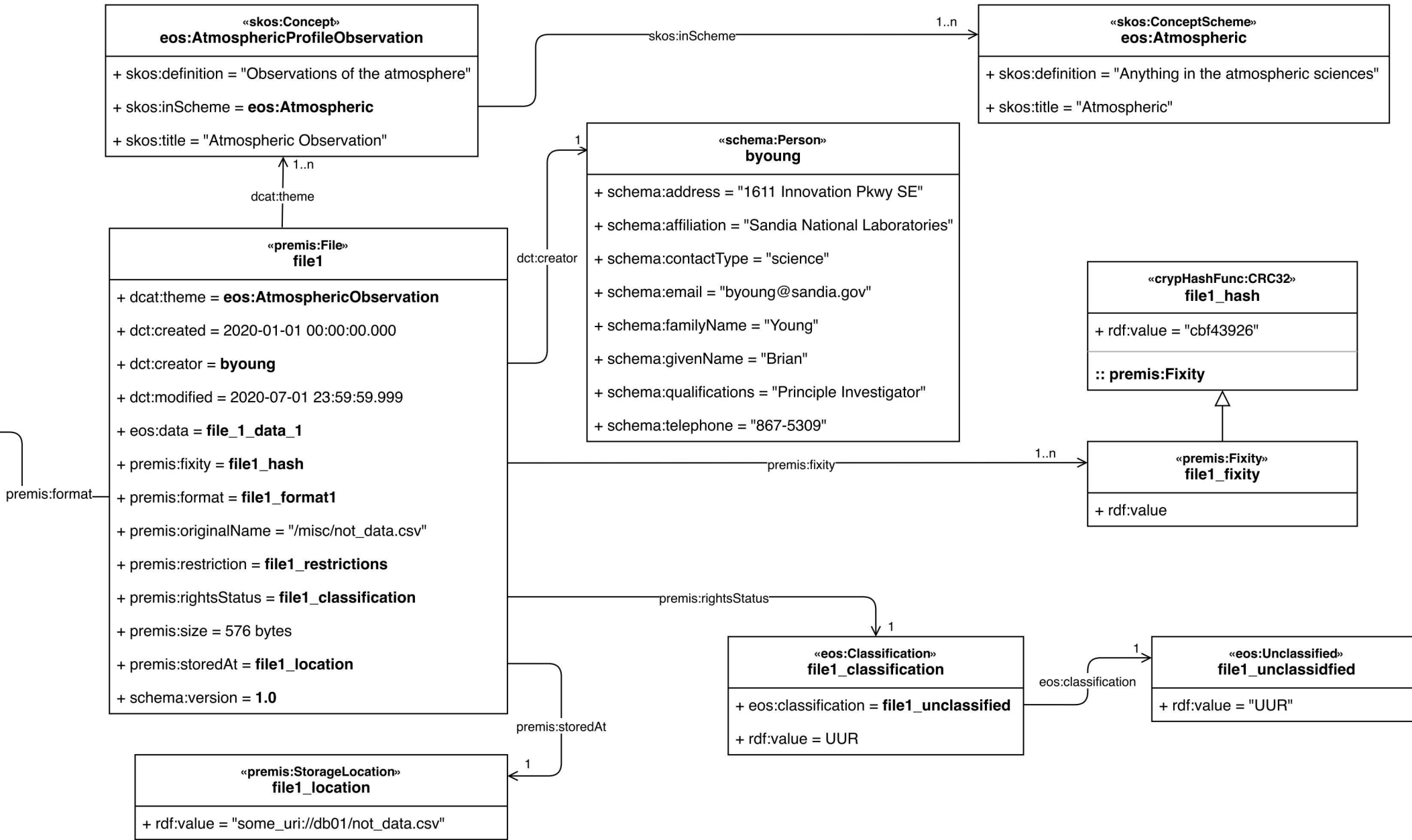
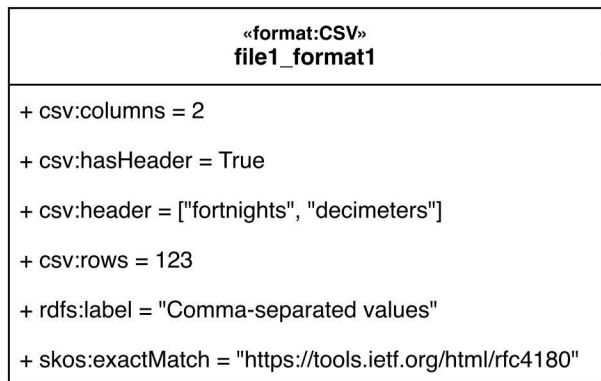
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Atmospheric Example 3



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Seismic Example 2

