

# Digital Product Passport Information Provenance

## Metadata

**IRI**

<http://w3id.org/dppo/ontology/dpp-prov/>

**Title**

Digital Product Passport Information Provenance

**Creator**

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**Contributor**

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Huanyu Li  
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**Date Created**

2023-11-27

**License**

<https://github.com/LiUSemWeb/DPP/blob/master/LICENSE>

**Version Iri**

<http://w3id.org/dppo/ontology/dpp-prov/0.1/>

**Version Info**

0.1

**Preferred Namespace Prefix**

dpp-prov

**Preferred Namespace Uri**

<http://w3id.org/dppo/ontology/dpp-prov/>

**Description**

Provenance information for DPP information.

## Classes

Dpp Information <sup>c</sup>	
IRI	<a href="http://w3id.org/dppo/ontology/dpp-info/DPPInformation">http://w3id.org/dppo/ontology/dpp-info/DPPInformation</a>
In Domain Of	<a href="#">responsible actor</a> <sup>op</sup>

Dpp <sup>c</sup>	
IRI	<a href="http://w3id.org/dppo/ontology/dpp-odp/DPP">http://w3id.org/dppo/ontology/dpp-odp/DPP</a>
In Domain Of	<a href="#">DPP owner</a> <sup>op</sup>

## Actor<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-prov/Actor>

**Description**  
Actor  
An actor responsible for some information.

**In Range Of** [actor<sup>op</sup>](#)

**Super Class Of**  
[Authority<sup>C</sup>](#)  
[Consumer<sup>C</sup>](#)  
[Value chain actor<sup>C</sup>](#)

## Authority<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-prov/Authority>

**Description**  
An actor that is an authority.

**Sub Class Of** [Actor<sup>C</sup>](#)

## Consumer<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-prov/Consumer>

**Description**  
An actor that is an end-user of a product, a consumer.

**Sub Class Of** [Actor<sup>C</sup>](#)

## Value chain actor<sup>C</sup>

**IRI** <http://w3id.org/dppo/ontology/dpp-prov/ValueChainActor>

**Description**  
An actor that is an active participant of the value chain of a product, e.g. a manufacturer, recycler or other actor.

**Sub Class Of** [Actor<sup>C</sup>](#)

## Object Properties

### actor<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-prov/actor">http://w3id.org/dppo/ontology/dpp-prov/actor</a>
<b>Description</b>	Relation to the actor responsible for a DPP or a piece of information inside it.
<b>Super Property Of</b>	<ul style="list-style-type: none"><li>• <a href="#">DPP owner<sup>op</sup></a></li><li>• <a href="#">responsible actor<sup>op</sup></a></li></ul>
<b>Range</b>	<a href="#">Actor<sup>c</sup></a>

### DPP owner<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-prov/dppOwner">http://w3id.org/dppo/ontology/dpp-prov/dppOwner</a>
<b>Description</b>	A relation relating the DPP with the actor owning, i.e. responsible for issuing, the DPP.
<b>Sub Property Of</b>	<a href="#">actor<sup>op</sup></a>
<b>Domain</b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/DPP">http://w3id.org/dppo/ontology/dpp-odp/DPP</a> <sup>c</sup>

### responsible actor<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-prov/responsibleActor">http://w3id.org/dppo/ontology/dpp-prov/responsibleActor</a>
<b>Description</b>	A relation the indicates the actor responsible for stating a piece of information.
<b>Sub Property Of</b>	<a href="#">actor<sup>op</sup></a>
<b>Domain</b>	<a href="#">dpp-info:DPPInformation</a> <sup>c</sup>

## Datatype Properties

creation time stamp<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-prov/creationTimeStamp">http://w3id.org/dppo/ontology/dpp-prov/creationTimeStamp</a>
<b>Description</b>	A time stamp indicating when a piece of information, or a DPP, was created (or added), i.e. when it started to be valid.
<b>Sub Property Of</b>	<a href="#">time stamp</a> <sup>dp</sup>
<b>Domain</b>	<a href="#">dpp-info:DPPInformation</a> <sup>c</sup> or <a href="http://w3id.org/dppo/ontology/dpp-odp/DPP">http://w3id.org/dppo/ontology/dpp-odp/DPP</a> <sup>c</sup>

invalid at time stamp<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-prov/invalidAtTimeStamp">http://w3id.org/dppo/ontology/dpp-prov/invalidAtTimeStamp</a>
<b>Description</b>	A time stamp indicating the time when a DPP or a piece of information ceased to be valid, i.e. what deprecated or replaced by another piece of information.
<b>Sub Property Of</b>	<a href="#">time stamp</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/dppo/ontology/dpp-odp/DPP">http://w3id.org/dppo/ontology/dpp-odp/DPP</a> <sup>c</sup> or <a href="#">dpp-info:DPPInformation</a> <sup>c</sup>

time stamp<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/dppo/ontology/dpp-prov/timeStamp">http://w3id.org/dppo/ontology/dpp-prov/timeStamp</a>
<b>Description</b>	A timestamp of some information, i.e. a DPP or a piece of information.
<b>Super Property Of</b>	<ul style="list-style-type: none"><li><a href="#">creation time stamp</a><sup>dp</sup></li><li><a href="#">invalid at time stamp</a><sup>dp</sup></li></ul>

## Annotation Properties

contributor<sup>ap</sup>

<b>IRI</b>	<a href="http://purl.org/dc/terms/contributor">http://purl.org/dc/terms/contributor</a>
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created <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/created">http://purl.org/dc/terms/created</a>
creator <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/creator">http://purl.org/dc/terms/creator</a>
description <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/description">http://purl.org/dc/terms/description</a>
license <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/license">http://purl.org/dc/terms/license</a>
title <sup>ap</sup>	
IRI	<a href="http://purl.org/dc/terms/title">http://purl.org/dc/terms/title</a>
preferred namespace prefix <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespacePrefix">http://purl.org/vocab/vann/preferredNamespacePrefix</a>
preferred namespace uri <sup>ap</sup>	
IRI	<a href="http://purl.org/vocab/vann/preferredNamespaceUri">http://purl.org/vocab/vann/preferredNamespaceUri</a>

## Namespaces

:

<http://w3id.org/dppo/ontology/dpp-prov/>

**dcterms**

<http://purl.org/dc/terms/>

**dpp-info**

<http://w3id.org/dppo/ontology/dpp-info/>

**owl**

<http://www.w3.org/2002/07/owl#>

**prov**

<http://www.w3.org/ns/prov#>

**rdf**

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

**rdfs**

<http://www.w3.org/2000/01/rdf-schema#>

**vann**

<http://purl.org/vocab/vann/>

## Legend

c

Classes

op

Object Properties

dp

Datatype Properties

ap

Annotation Properties