



Application Profiles since DC-2000

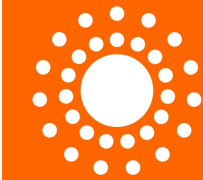
Thomas Baker

Dublin Core Metadata Initiative

Taming the Graph: Profiles over Linked Data

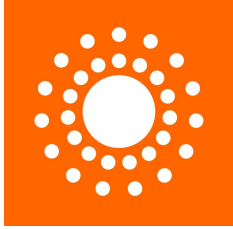
DC-2017, Washington-DC

27 October 2017



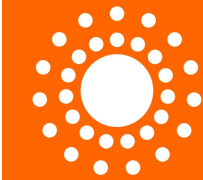
This talk

- “Application Profiles”
 - Single biggest topic of discussion and research in Dublin Core community since 1990s!
- This talk includes
 - Ideas that did catch on
 - Ideas that did **not** catch on
 - Topics that are still unresolved
- Topics covered later today are **out of scope**:
 - BIBFRAME profiles
 - ShEx, SHACL, JSON-LD...



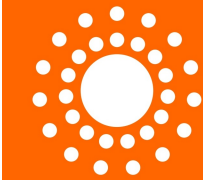
From Record Format to RDF Data

- **1995** Dublin Core as “simple metadata record”
- **1999** Dublin Core as an RDF vocabulary
- **2000** Application Profiles (“mix-and-match”)
- **2003-2008** Description Set Profiles
 - Validatable record formats
 - Straightforwardly mappable to RDF triples



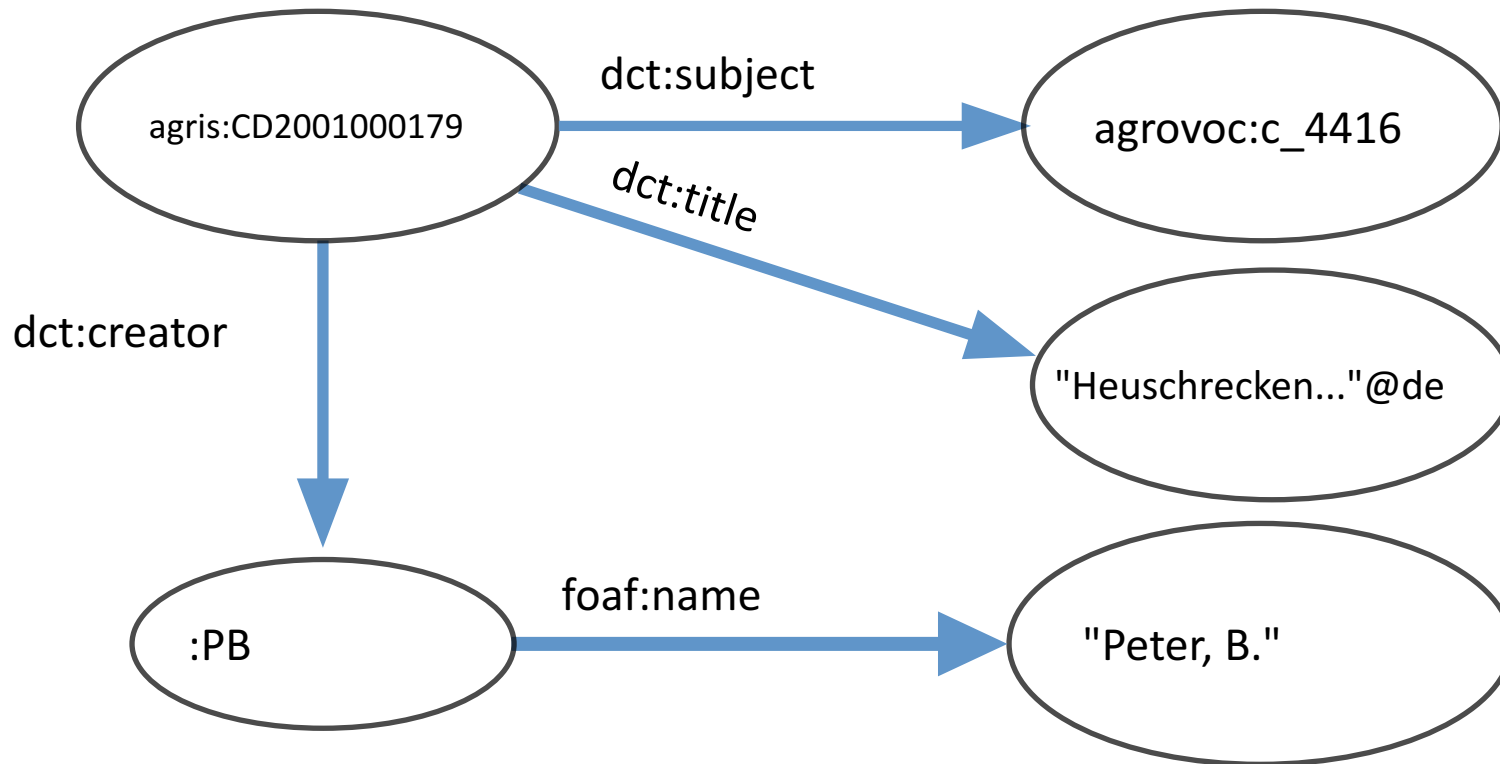
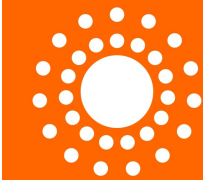
Metadata in the 2000s

- From ***Static Record Formats***
 - Bounded sets of fields to be “filled in” with information
- Towards ***Recombinant Graph Data***
 - Unbounded webs of information connected by statements

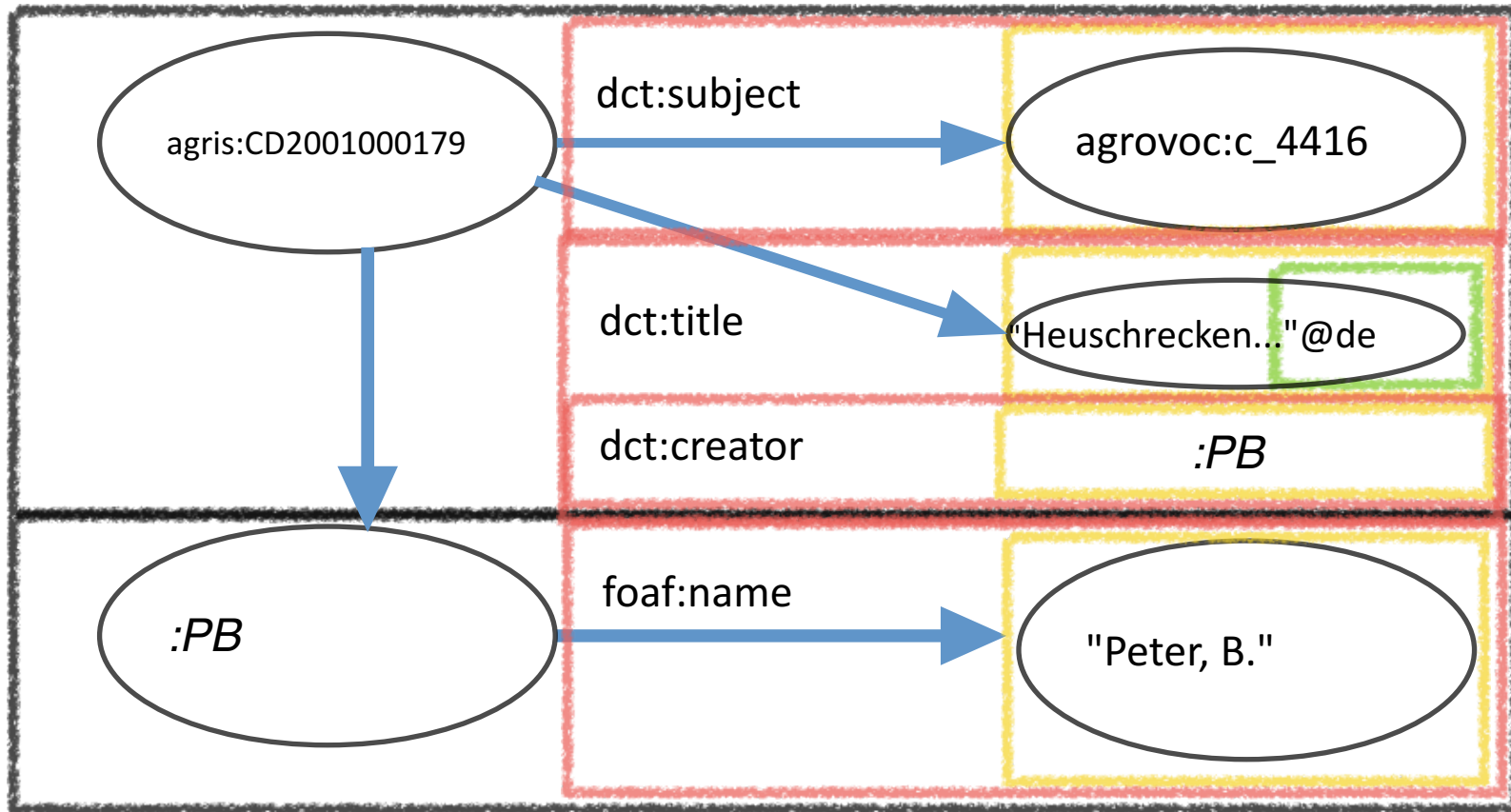


Bridging two mindsets

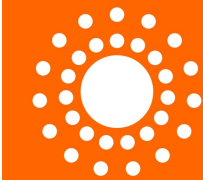
- Oriented to ***Record Formats***
 - Bounded sets of fields to be “filled in” with information
- Oriented to ***Graphs***
 - Unbounded webs of information connected by statements



Let's take a graph...



...view it in terms of a “record”...



agris:CD2001000179

dct:subject

agrovoc:c_4416

dct:title

"Heuschrecken"

de

dct:creator

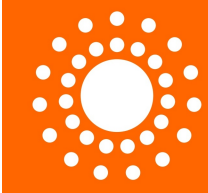
:PB

:PB

foaf:name

"Peter, B."

...focusing on components that can be validated...



Description Set

Description

Described Resource URI

Property URI

Value URI

Property URI

Value String

Lang

Property URI

Value ID

Description

Value ID

Property URI

Value String

..and abstract those components to a generalized model.

Record

Resource A

```
{
  "items" : [
    {
      "id": "http://bibfra.me/work/u2",
      "title" : "Bluebeard",
      "titleRemainder" : "a novel",
      "type" : "Book"
      "classification" : "025.3 M465f 2008",
      "author" : "http://bibfra.me/auth/person/kurt\_vonnegut",
      "subject": [ "http://bibfra.me/auth/subject/foo",
                    "http://bibfra.me/auth/subject/bar" ],
      "language": "english",
      "summary": "Broad humor and bitter irony collide in this fictional
autobiography of Rabo Karabekian, who, at age seventy-one, wants to be left alone on his
Long Island estate with the secret he has locked inside his potato barn. But then a
voluptuous young widow badgers Rabo into telling his life story—and Vonnegut in turn
tells us the plain, heart-hammering truth about man's careless fancy to create or
destroy what he loves."

```

~~"hasInstance": "<http://bibfra.me/instance/u2-1>"~~

Resource B

```
    },
    {
      "id": "http://bibfra.me/instance/u2-1",
      "type": "HardcoverBook",
      "edition": "1st",
      "volumes": "1",
      "pages": "300",
      "date" : "1987-09-02",
      "publisher" : "http://bibfra.me/auth/org/delacorte\_press",
      "ISBN": "9780385295901",
      "image": "http://ecx.images-amazon.com/images/I/51vbo8zwJlL.\_SL160\_.jpg"
    }
  ]
}
```

Description Set

Templates for Metadata

```
{
  "items": [
    {
      "id": "http://bibfra.me/w",
      "title": "Bluebeard",
      "titleRemainder": "a nov",
      "type": "Book",
      "classification": "025.3",
      "author": "http://bibfra",
      "subject": [ "http://bibf",

      "language": "english",
      "summary": "Broad humor a
autobiography of Rabo Karabekian, wh
Long Island estate with the secret h
voluptuous young widow badgers Rabo
tells us the plain, heart-hammering
destroy what he loves.",

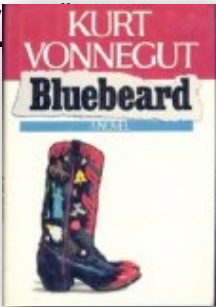
```

"hasInstance": "ht

```
    },
    {
      "id": "http://",
      "type": "Hard",
      "edition": "1",
      "volumes": "1",
      "pages": "300",
      "date": "198",
      "publisher": "
      "ISBN": "9780
      "image": "http://
    }
  ]
}
```

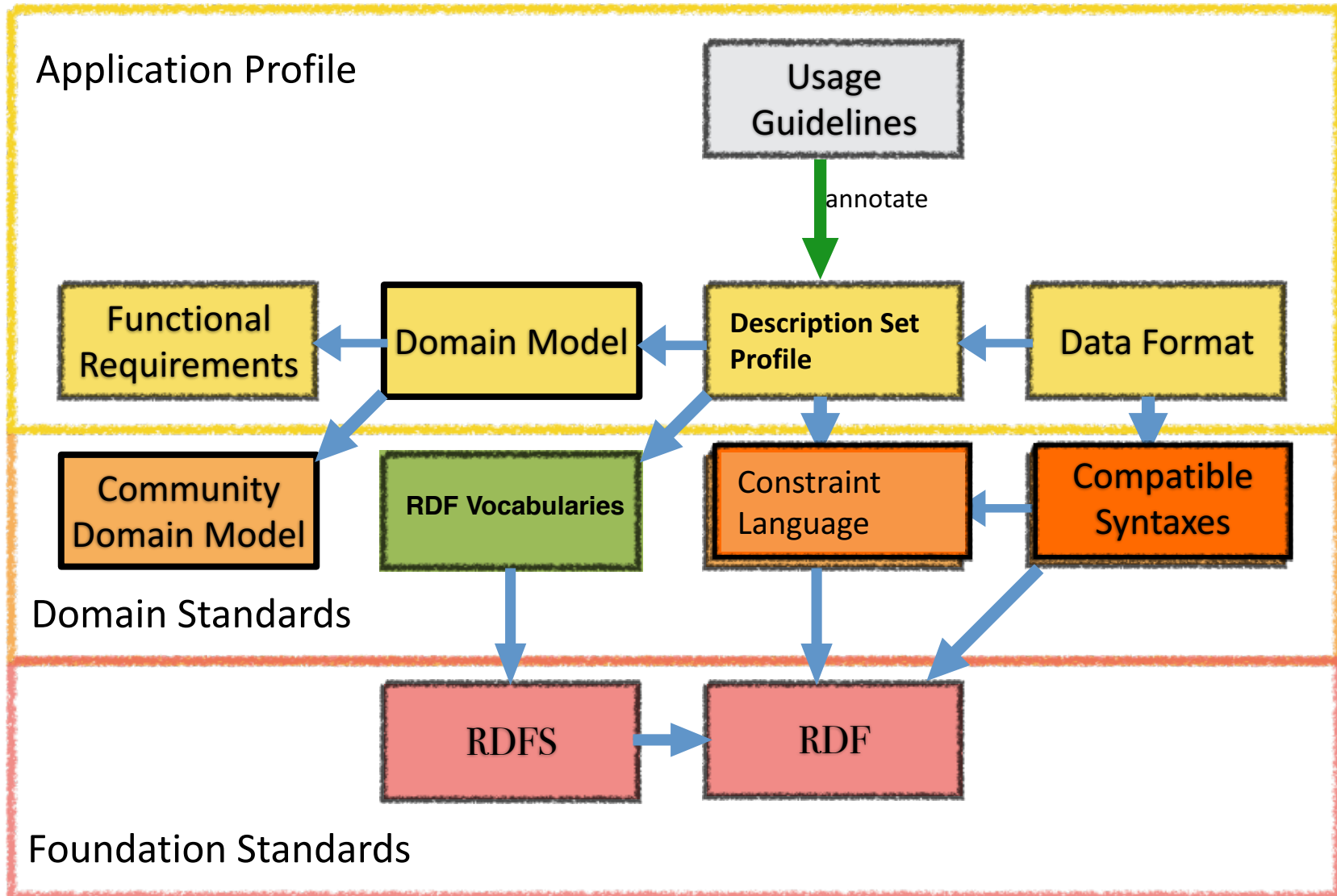
id	URI	"must be http://bibfra.me... "
title	String	"must be one"
titleRemainder	String	
type	String	from controlled vocabulary
classification	String	
author	URI	
subject	URI	
lang	String	
summary	String	

id	URI	"must be http://bibfra.me... "
type	String	from controlled vocabulary
edition	String	
volumes	String	integer
pages	String	integer
date	Date	use Bibframe date-time format
publisher	URI	
ISBN	String	must be valid ISBN
image	URI	

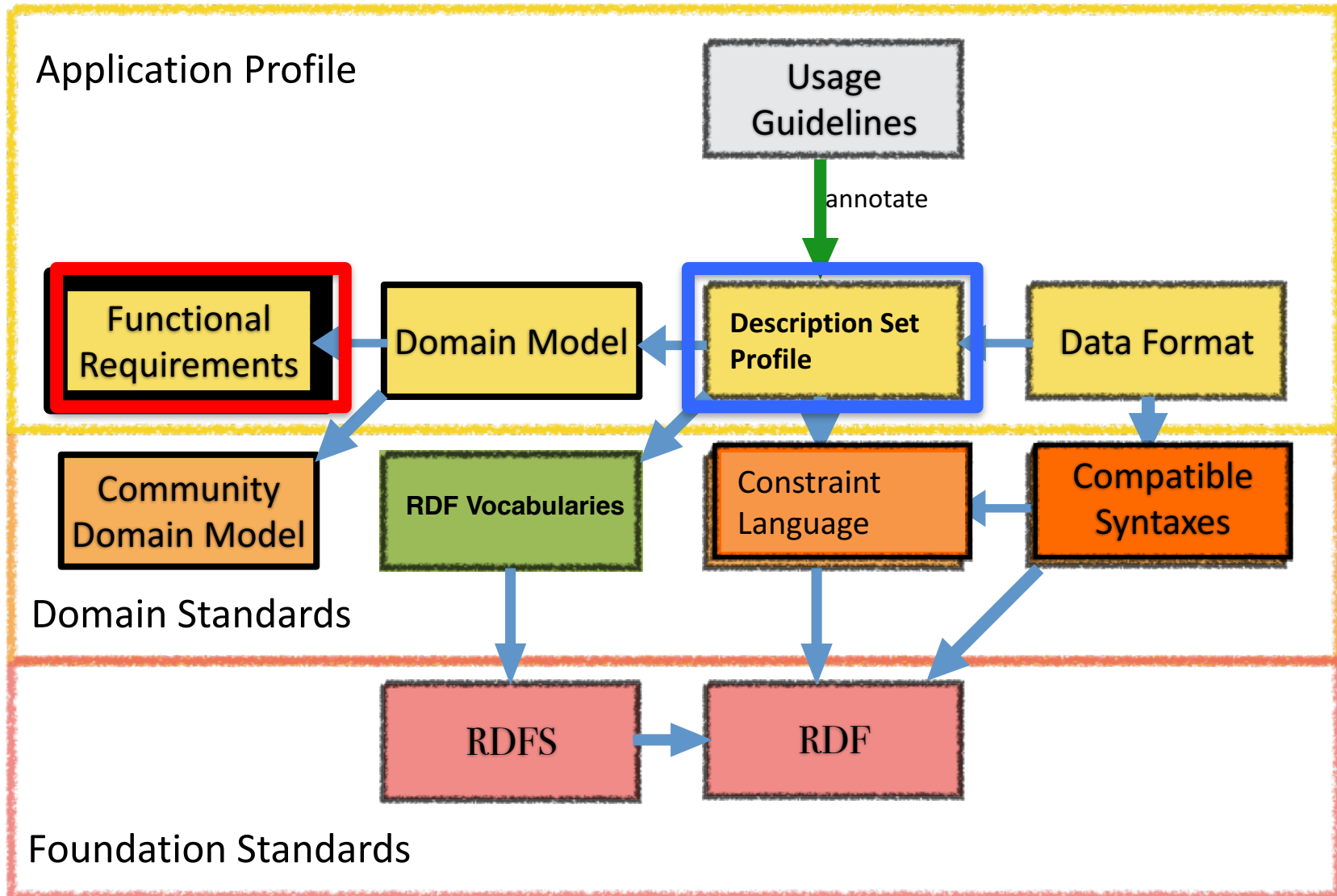


[160 .jpg](http://...160.jpg)

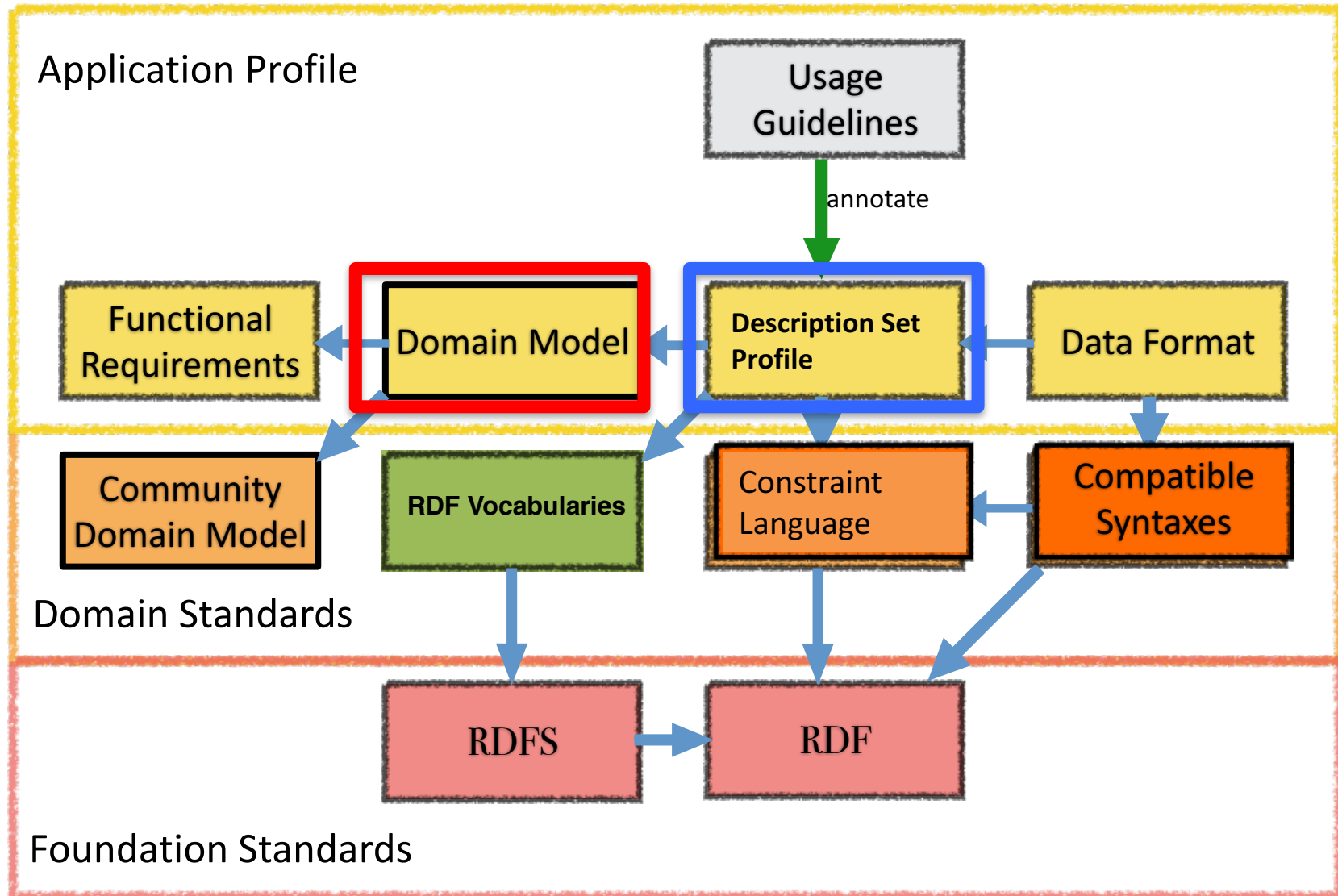
2007: Singapore Framework (revised)



Design a profile on specific requirements

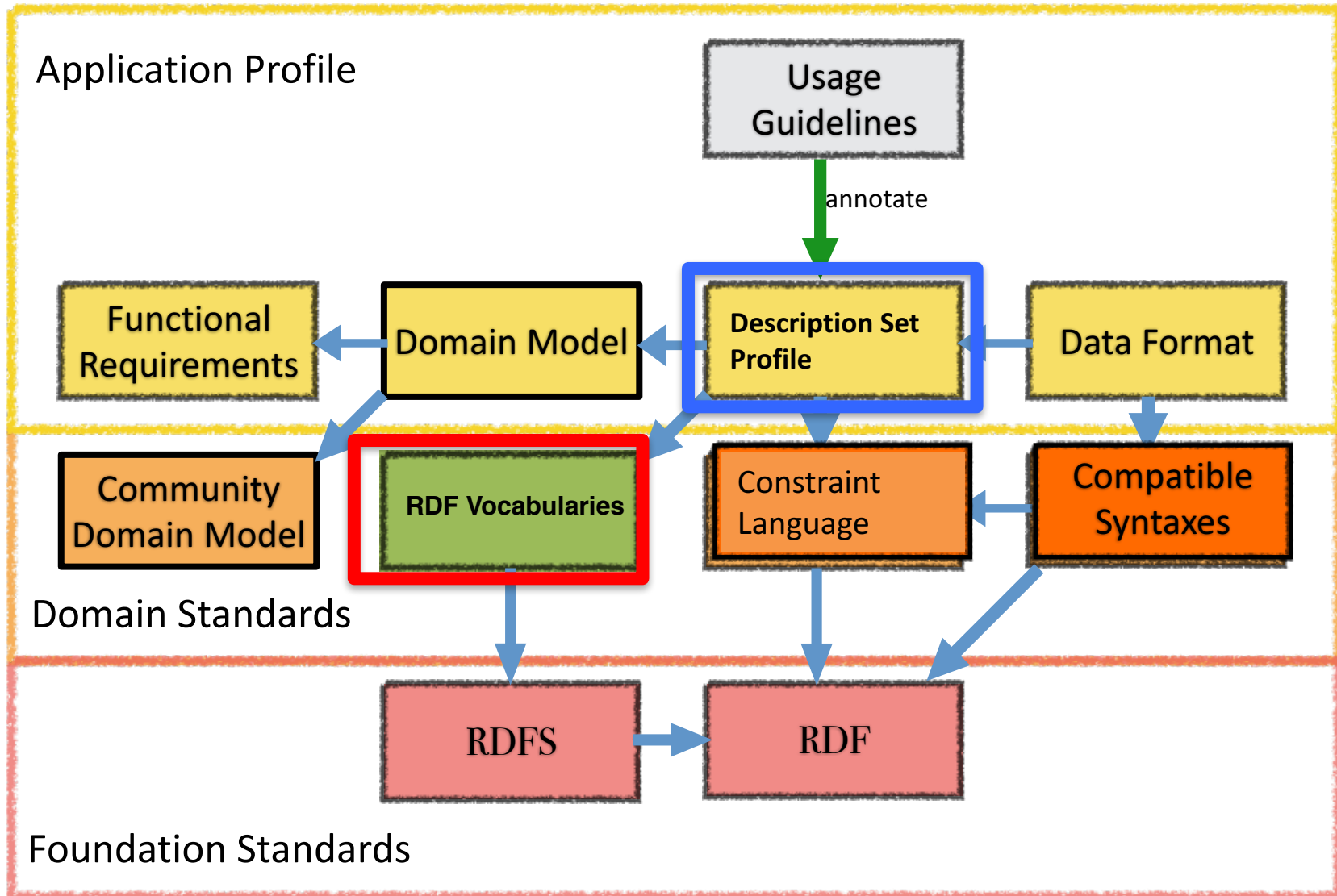


Your model of “things in the world”

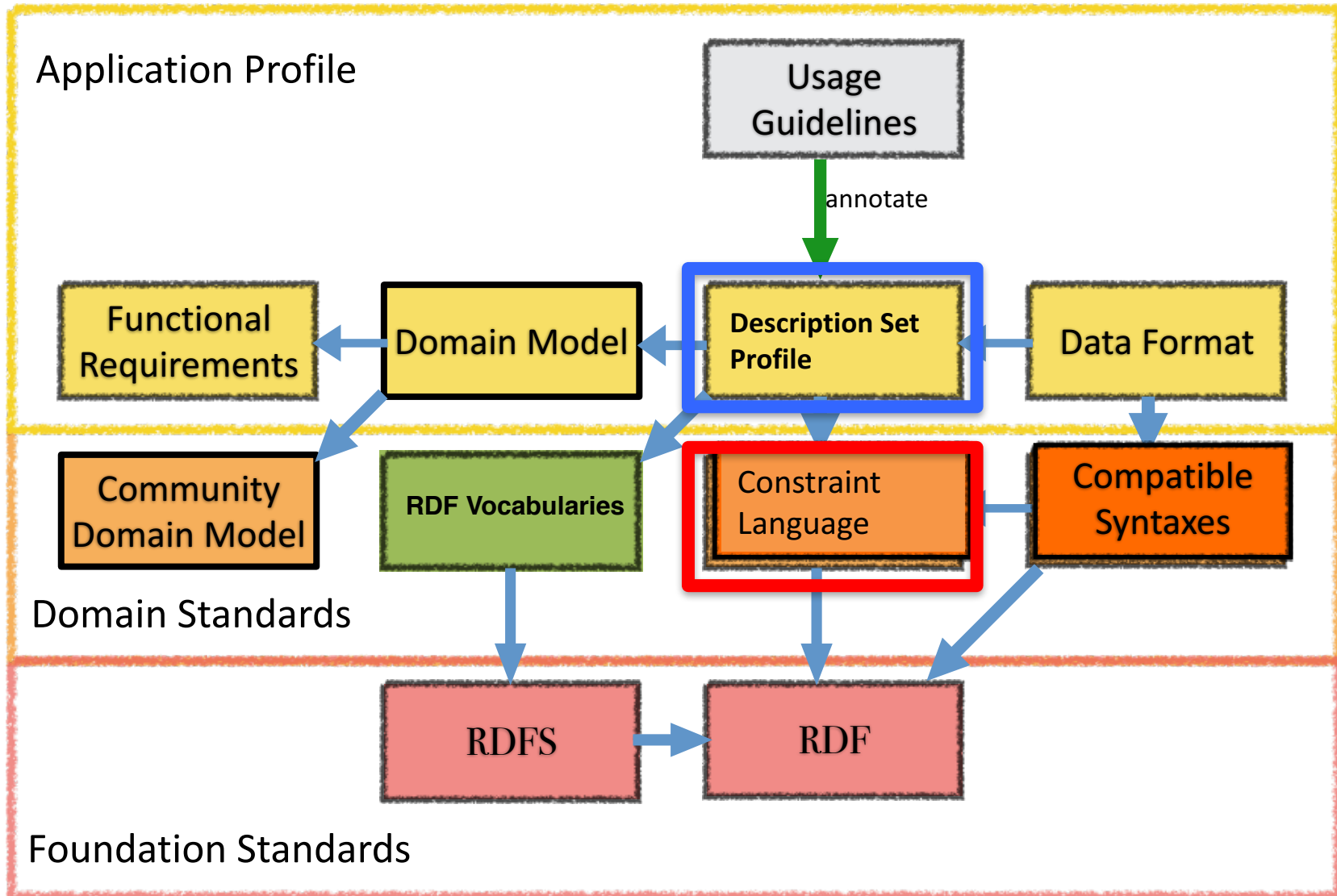




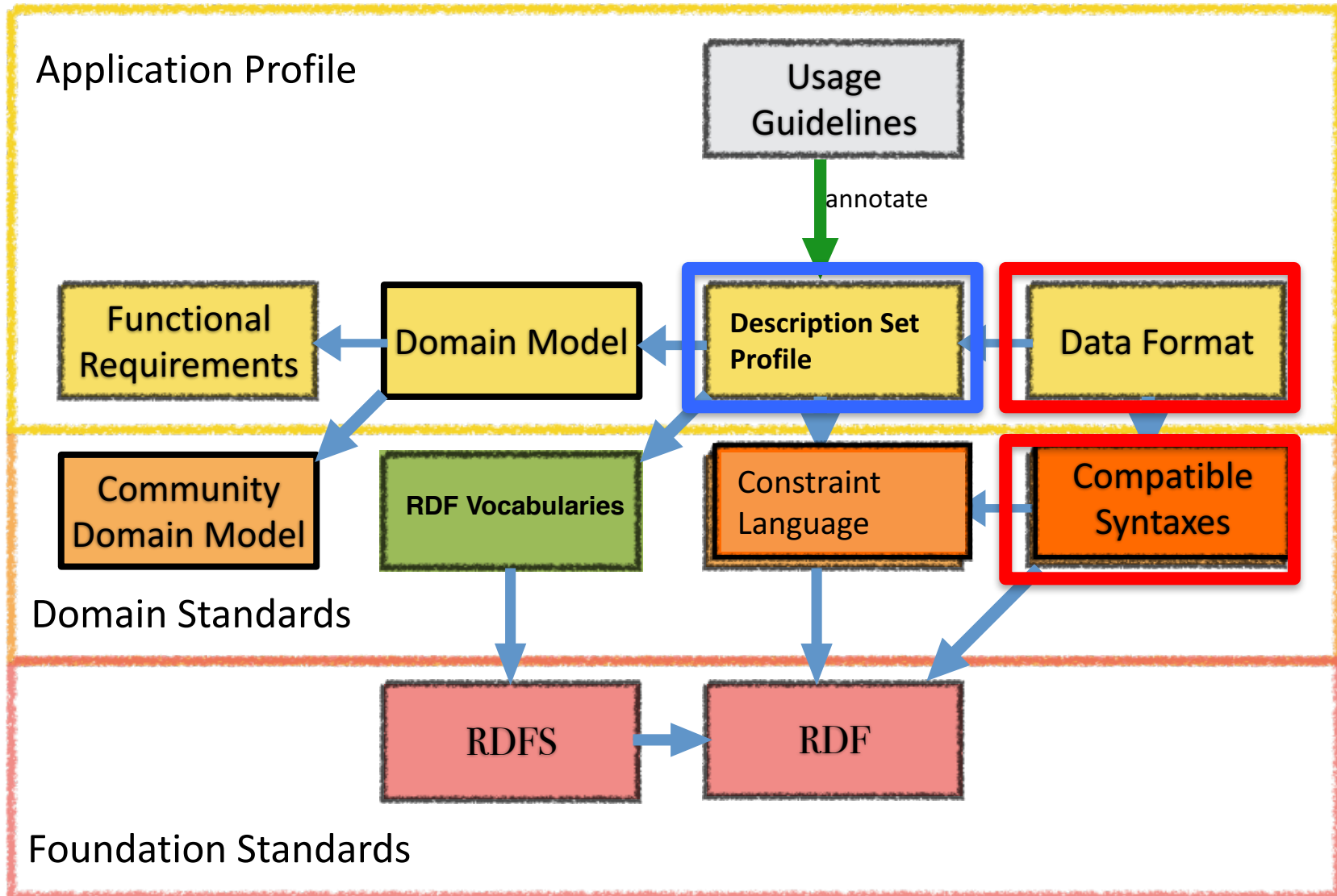
Construct a profile using RDF vocabularies



With a language for expressing constraints



Use compatible concrete syntaxes





Graph data is based on RDF vocabularies

Orthoptera
at AGROVOC Thesaurus
http://aims.fao.org/aos/agrovoc/c_5433

Property Value

broader	http://aims.fao.org/aos/agrovoc/c_3890
exactMatch	http://purl.org/net/aims/2011/01/aims#30132
date of creation	2007-04-29
date of last update	2007-04-29
hasTaxonomicLevel	http://aims.fao.org/aos/agrovoc/c_330938
narrower	http://aims.fao.org/aos/agrovoc/c_31958 http://aims.fao.org/aos/agrovoc/c_31939 http://aims.fao.org/aos/agrovoc/c_31942 http://aims.fao.org/aos/agrovoc/c_33384 http://aims.fao.org/aos/agrovoc/c_4416
prefLabel	Orthoptera (en) Orthoptera (ar) Orthoptera (fr) Orthoptera (de) Orthoptera (zh) Orthoptera (ko)

AGROVOC

AGRIS record

Go to AGRIS search

Acta Agraria Sinica (Sep. 2008)
Study on the mortality and competition of three dominant grasshoppers (Orthoptera, acrididae) in the steppe
Lu Hui, Han Jianguo

Alternative Title 典型草原三种优势种群死亡率及竞争的研究

Date of publication Sep. 2008

AGRIS Category [Acta Agraria Sinica](#)

AGRIS terms [Acrididae](#); [Mortality](#); [Steppe](#)

AGROVOC French terms [Acrididae](#); [Mortality](#); [Steppe](#)

AGROVOC Spanish terms [Acrididae](#); [Mortality](#); [Steppe](#)

Language Chinese

Notes [Acta Agraria Sinica](#)

Journal Title [Acta Agraria Sinica](#)

ISSN 1007-0435

Volume v.16(5) p.480-484

Related AGRIS Results:

- Predictions of species interactions from consumer-resource theory: experiments with grasshoppers and plants
- Toward a general model of rangeland grasshopper (Orthoptera: Acrididae) damage in the steppe region of Montana by J. V. D. (USDA, ARS, Rangeland Insect Laboratory, Bozeman, MT), Dennis, B. (Dec 1997) in English

Other related searches by title

Searches by authors

AGRIS record



SKOS Simple Knowledge Organization System Reference **SKOS**

W3C Recommendation 18 August 2009

This version: <http://www.w3.org/TR/2009/REC-skos-reference-20090818/>
Latest version: <http://www.w3.org/TR/skos-reference>
Previous versions: <http://www.w3.org/TR/2009/PR-skos-reference-20090615/>
Editors: Alistair Miles, STFC Rutherford Appleton Laboratory / University of Oxford
Sean Bechhofer, University of Manchester

FOAF Vocabulary Specification 0.98

Namespace Document 9 August 2010 - Marco Polo Edition

This version: <http://xmllns.com/foaf/spec/20100809.html> (rdf, wiki)
Latest version: <http://xmllns.com/foaf/spec/> (rdf, wiki)
Previous version: <http://xmllns.com/foaf/spec/20100101.html> (rdf, wiki)
Authors: Dan Brickley, Libby Miller
Contributors: Members of the FOAF mailing list (foaf-dev@lists.foaf-project.org) and the wider RDF and Semantic Web developer community. See [acknowledgements](#).

Copyright © 2000-2010 Dan Brickley and Libby Miller

AGRICULTURAL INFORMATION MANAGEMENT STANDARDS
"STANDARDS, TOOLS, SERVICES AND ADVICE"

Standards

This section of the website gives an overview of **existing specifications** for organizing information (classification information objects (metadata models, schemas, Application Profiles, ...)) in the domain of agriculture.

Products developed by FAO or in collaboration between FAO and other partners are described in detail and are facilities from this website. See:

- the AgMES namespace ([http://aims.fao.org/aos/agrovoc/c_3890](#))
- AGROVOC
- AgVocabularies

LODE-BD, the LODE-BD Recommendations present a reference tool that assist bibliographic data prov strategies according to their needs in order to facilitate metadata exchange by, for example, constructing and widely-used formats or even with a Linked Data representation.

A broader overview is provided by the Agricultural Information Management Registry of Vocabularies, mEts includes includes products created and managed by other organizations.

AGRIS Authors

Dublin Core® Metadata Initiative
Making it easier to find information.

Home **Metadata Basics** **DCMI Specifications** **Com**

Enter keyword

DCMI Metadata Terms

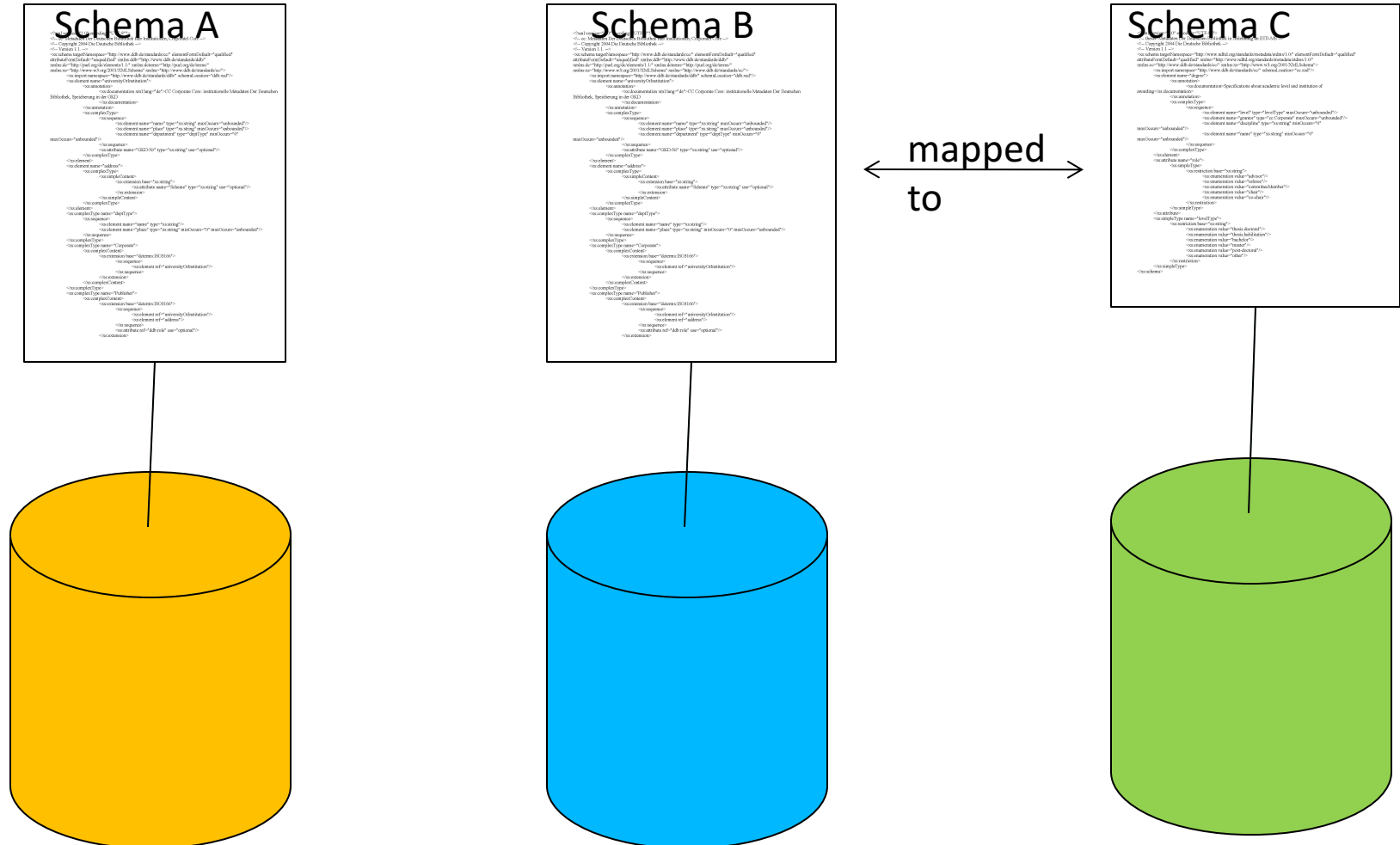
Title: DCMI Metadata Terms
Creator: [DCMI Usage Board](#)
Identifier: <http://dublincore.org/documents/2010/10/11/dcmi-terms/>
Date Issued: 2010-10-11
Latest Version: <http://dublincore.org/documents/dcmi-terms/>
Replaces: <http://dublincore.org/documents/2008/01/14/dcmi-terms/>

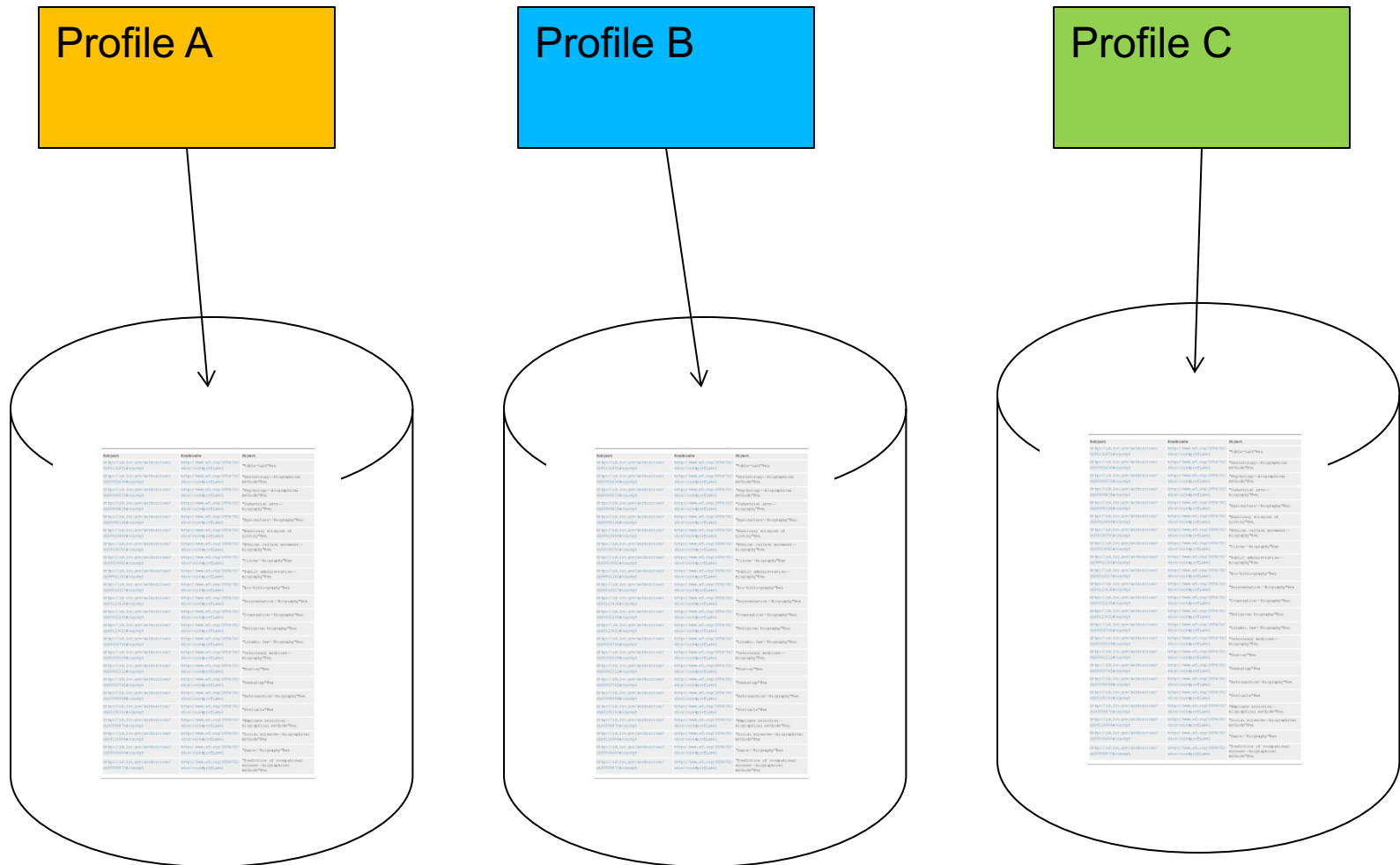
Dublin Core

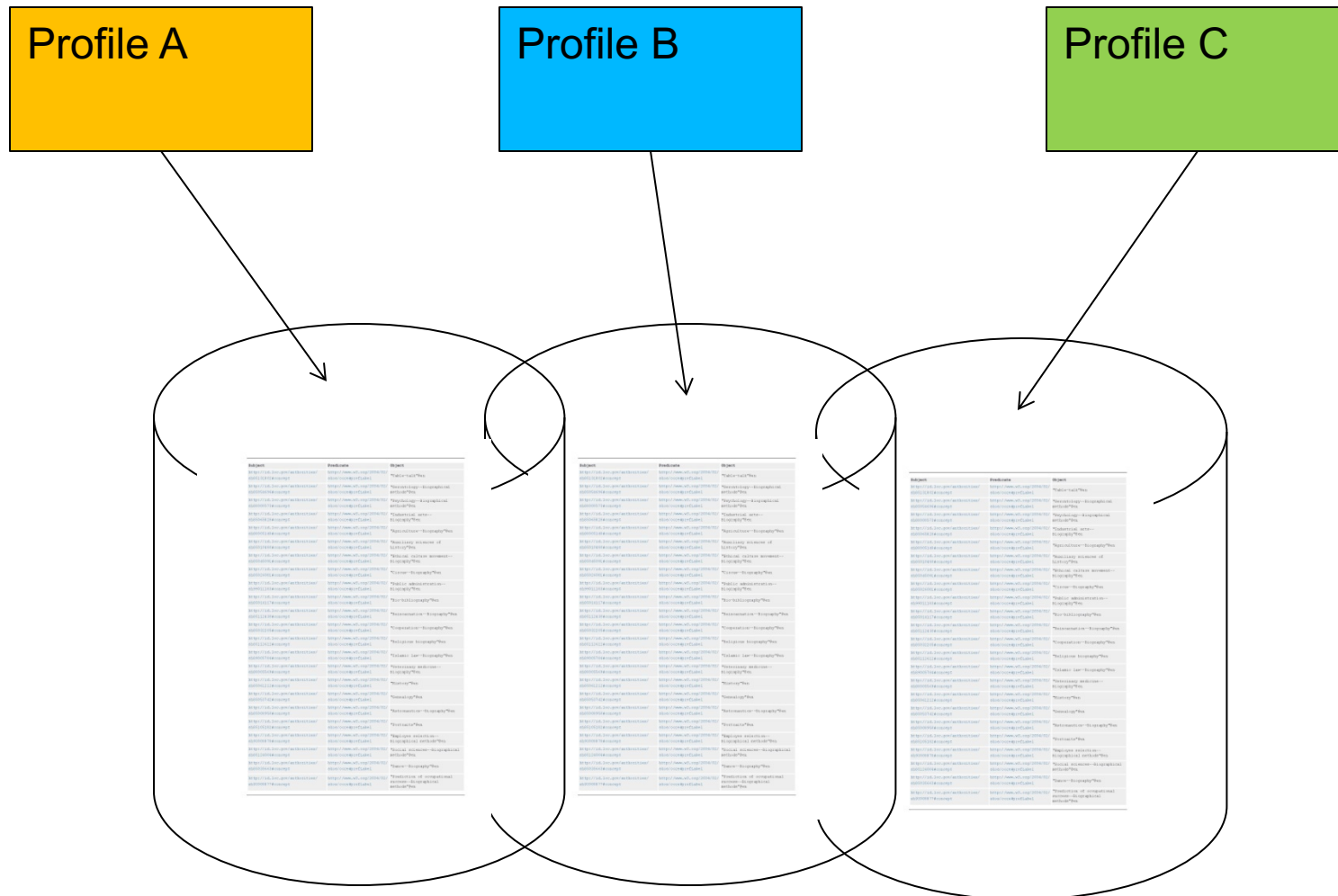


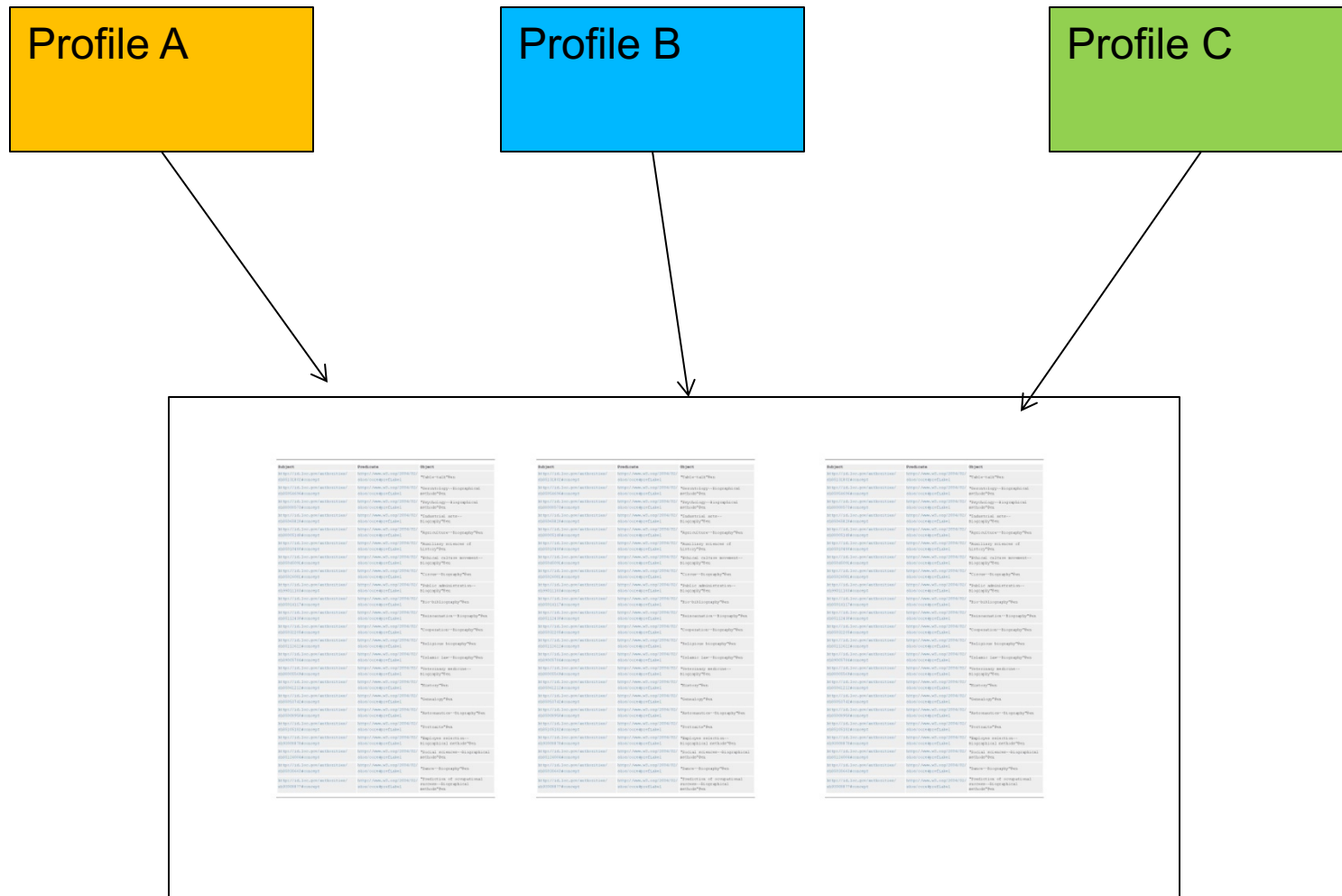
Record formats are documents

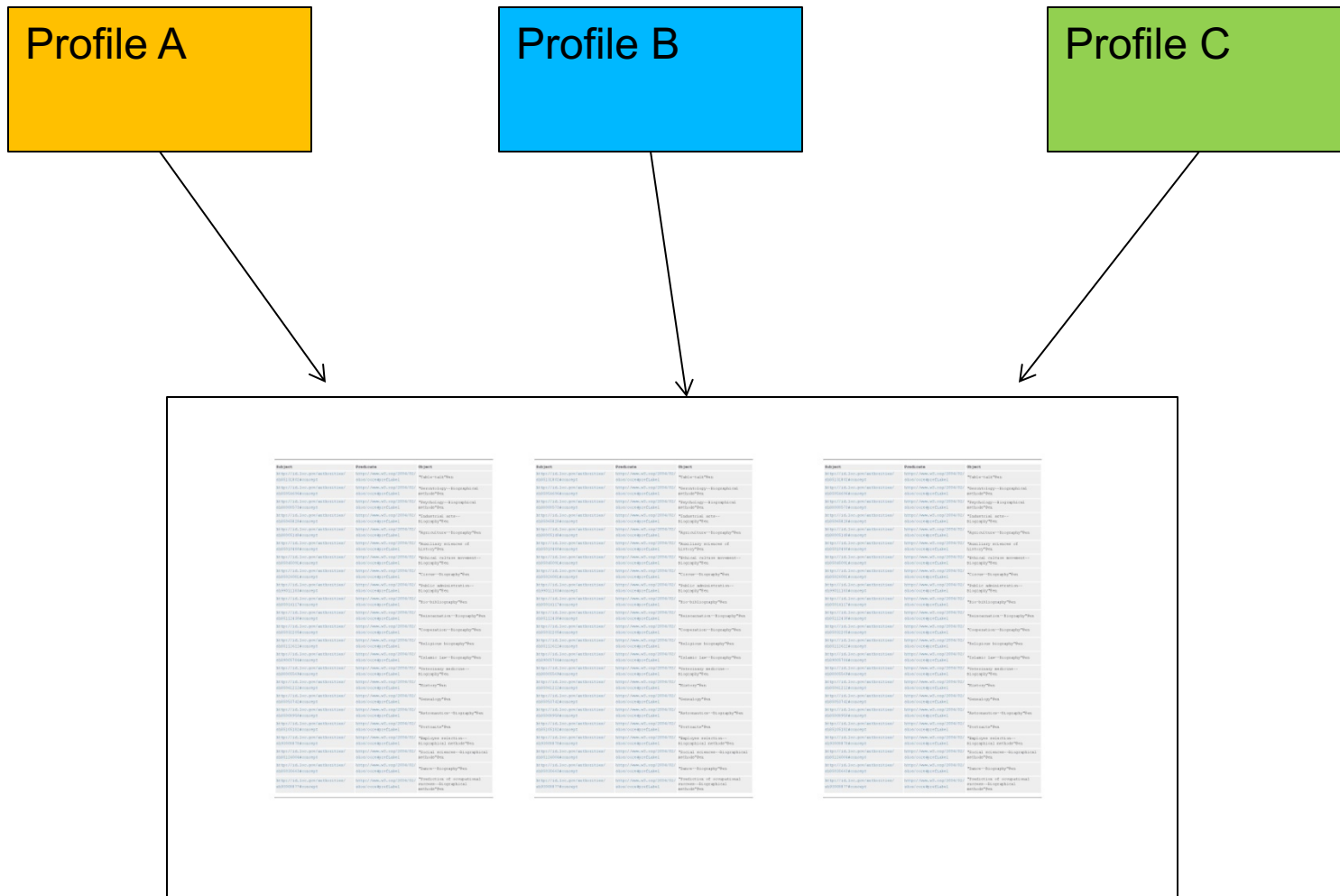
```
<?xml version="1.0" ?>
- <metadata>
- <idinfo>
- <citation>
- <citeinfo>
  <origin>Canadian Ice Service (CIS)</origin>
  <pubdate>20080324</pubdate>
  <title />
</citeinfo>
</citation>
- <descript>
  <abstract>The SIGRID-3 vector archive format is one of the World
    Meteorological Organization (WMO) standards for archiving digital ice
    charts in the Global Digital Sea Ice Data Bank (GDSIDB). The WMO ice chart
    archiving formats are the Sea Ice Grid (SIGRID) format developed in 1981
    and formalized in 1989 and its successor SIGRID-2. The Canadian Ice
    Service digital Ice Analysis charts (Regional, Daily and Image) are encoded
    in SIGRID-3 and have two main components: the shapefile containing the
    Ice Analysis ice information (ice polygons and related attributes) and the
    metadata describing the Ice Analysis data under the SIGRID-3 format. The
```













Address	Disassembly	Comment
00000000	00000000	Start of file
00000001	00000000	00000000
00000002	00000000	00000000
00000003	00000000	00000000
00000004	00000000	00000000
00000005	00000000	00000000
00000006	00000000	00000000
00000007	00000000	00000000
00000008	00000000	00000000
00000009	00000000	00000000
0000000A	00000000	00000000
0000000B	00000000	00000000
0000000C	00000000	00000000
0000000D	00000000	00000000
0000000E	00000000	00000000
0000000F	00000000	00000000
00000010	00000000	00000000
00000011	00000000	00000000
00000012	00000000	00000000
00000013	00000000	00000000
00000014	00000000	00000000
00000015	00000000	00000000
00000016	00000000	00000000
00000017	00000000	00000000
00000018	00000000	00000000
00000019	00000000	00000000
0000001A	00000000	00000000
0000001B	00000000	00000000
0000001C	00000000	00000000
0000001D	00000000	00000000
0000001E	00000000	00000000
0000001F	00000000	00000000
00000020	00000000	00000000
00000021	00000000	00000000
00000022	00000000	00000000
00000023	00000000	00000000
00000024	00000000	00000000
00000025	00000000	00000000
00000026	00000000	00000000
00000027	00000000	00000000
00000028	00000000	00000000
00000029	00000000	00000000
0000002A	00000000	00000000
0000002B	00000000	00000000
0000002C	00000000	00000000
0000002D	00000000	00000000
0000002E	00000000	00000000
0000002F	00000000	00000000
00000030	00000000	00000000
00000031	00000000	00000000
00000032	00000000	00000000
00000033	00000000	00000000
00000034	00000000	00000000
00000035	00000000	00000000
00000036	00000000	00000000
00000037	00000000	00000000
00000038	00000000	00000000
00000039	00000000	00000000
0000003A	00000000	00000000
0000003B	00000000	00000000
0000003C	00000000	00000000
0000003D	00000000	00000000
0000003E	00000000	00000000
0000003F	00000000	00000000
00000040	00000000	00000000
00000041	00000000	00000000
00000042	00000000	00000000
00000043	00000000	00000000
00000044	00000000	00000000
00000045	00000000	00000000
00000046	00000000	00000000
00000047	00000000	00000000
00000048	00000000	00000000
00000049	00000000	00000000
0000004A	00000000	00000000
0000004B	00000000	00000000
0000004C	00000000	00000000
0000004D	00000000	00000000
0000004E	00000000	00000000
0000004F	00000000	00000000
00000050	00000000	00000000
00000051	00000000	00000000
00000052	00000000	00000000
00000053	00000000	00000000
00000054	00000000	00000000
00000055	00000000	00000000
00000056	00000000	00000000
00000057	00000000	00000000
00000058	00000000	00000000
00000059	00000000	00000000
0000005A	00000000	00000000
0000005B	00000000	00000000
0000005C	00000000	00000000
0000005D	00000000	00000000
0000005E	00000000	00000000
0000005F	00000000	00000000
00000060	00000000	00000000
00000061	00000000	00000000
00000062	00000000	00000000
00000063	00000000	00000000
00000064	00000000	00000000
00000065	00000000	00000000
00000066	00000000	00000000
00000067	00000000	00000000
00000068	00000000	00000000
00000069	00000000	00000000
0000006A	00000000	00000000
0000006B	00000000	00000000
0000006C	00000000	00000000
0000006D	00000000	00000000
0000006E	00000000	00000000
0000006F	00000000	00000000
00000070	00000000	00000000
00000071	00000000	00000000
00000072	00000000	00000000
00000073	00000000	00000000
00000074	00000000	00000000
00000075	00000000	00000000
00000076	00000000	00000000
00000077	00000000	00000000
00000078	00000000	00000000
00000079	00000000	00000000
0000007A	00000000	00000000
0000007B	00000000	00000000
0000007C	00000000	00000000
0000007D	00000000	00000000
0000007E	00000000	00000000
0000007F	00000000	00000000
00000080	00000000	00000000
00000081	00000000	00000000
00000082	00000000	00000000
00000083	00000000	00000000
00000084	00000000	00000000
00000085	00000000	00000000
00000086	00000000	00000000
00000087	00000000	00000000
00000088	00000000	00000000
00000089	00000000	00000000
0000008A	00000000	00000000
0000008B	00000000	00000000
0000008C	00000000	00000000
0000008D	00000000	00000000
0000008E	00000000	00000000
0000008F	00000000	00000000
00000090	00000000	00000000
00000091	00000000	00000000
00000092	00000000	00000000
00000093	00000000	00000000
00000094	00000000	00000000
00000095	00000000	00000000
00000096	00000000	00000000
00000097	00000000	00000000
00000098	00000000	00000000
00000099	00000000	00000000
0000009A	00000000	00000000
0000009B	00000000	00000000
0000009C	00000000	00000000
0000009D	00000000	00000000
0000009E	00000000	00000000
0000009F	00000000	00000000
000000A0	00000000	00000000
000000A1	00000000	00000000
000000A2	00000000	00000000
000000A3	00000000	00000000
000000A4	00000000	00000000
000000A5	00000000	00000000
000000A6	00000000	00000000
000000A7	00000000	00000000
000000A8	00000000	00000000
000000A9	00000000	00000000
000000AA	00000000	00000000
000000AB	00000000	00000000
000000AC	00000000	00000000
000000AD	00000000	00000000
000000AE	00000000	00000000
000000AF	00000000	00000000
000000B0	00000000	00000000
000000B1	00000000	00000000
000000B2	00000000	00000000
000000B3	00000000	00000000
000000B4	00000000	00000000
000000B5	00000000	00000000
000000B6	00000000	00000000
000000B7	00000000	00000000
000000B8	00000000	00000000
000000B9	00000000	00000000
000000BA	00000000	00000000
000000BB	00000000	00000000
000000BC	00000000	00000000
000000BD	00000000	00000000
000000BE	00000000	00000000
000000BF	00000000	00000000
000000C0	00000000	00000000
000000C1	00000000	00000000
000000C2	00000000	00000000
000000C3	00000000	00000000
000000C4	00000000	00000000
000000C5	00000000	00000000
000000C6	00000000	00000000
000000C7	00000000	00000000
000000C8	00000000	00000000
000000C9	00000000	00000000
000000CA	00000000	00000000
000000CB	00000000	00000000
000000CC	00000000	00000000
000000CD	00000000	00000000
000000CE	00000000	00000000
000000CF	00000000	00000000
000000D0	00000000	00000000
000000D1	00000000	00000000
000000D2	00000000	00000000
000000D3	00000000	00000000
000000D4	00000000	00000000
000000D5	00000000	00000000
000000D6	00000000	00000000
000000D7	00000000	00000000
000000D8	00000000	00000000
000000D9	00000000	00000000
000000DA	00000000	00000000
000000DB	00000000	00000000
000000DC	00000000	00000000
000000DD	00000000	00000000
000000DE	00000000	00000000
000000DF	00000000	00000000
000000E0	00000000	00000000
000000E1	00000000	00000000
000000E2	00000000	00000000
000000E3	00000000	00000000
000000E4	00000000	00000000
000000E5	00000000	00000000
000000E6	00000000	00000000
000000E7	00000000	00000000
000000E8	00000000	00000000
000000E9	00000000	00000000
000000EA	00000000	00000000
000000EB	00000000	00000000
000000EC	00000000	00000000
000000ED	00000000	00000000
000000EE	00000000	00000000
000000EF	00000000	00000000
000000F0	00000000	00000000
000000F1	00000000	00000000
000000F2	00000000	00000000
000000F3	00000000	00000000
000000F4	00000000	00000000
000000F5	00000000	00000000
000000F6	00000000	00000000
000000F7	00000000	00000000
000000F8	00000000	00000000
000000F9	00000000	00000000
000000FA	00000000	00000000
000000FB	00000000	00000000
000000FC	00000000	00000000
000000FD	00000000	00000000
000000FE	00000000	00000000
000000FF	00000000	00000000



 SKOS Simple Knowledge Organization System Reference

W3C Recommendation 14 August 2009

SKOS

This version:
<http://www.w3.org/TR/2009/REC-skos-reference-20090818/>

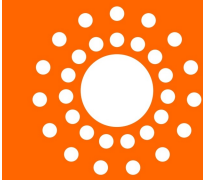
Latest version:
<http://www.w3.org/TR/skos-reference>

Previous versions:
<http://www.w3.org/TR/2009/PR-skos-reference-20090615/>

Editors:
[Alistair Miles](#), STFC Rutherford Appleton Laboratory / University of Oxford
[Sean Bechhofer](#), University of Manchester

Copyright © 2000-2010 Dan Brickley and Libby Miller

[illegible]



2006: Extracting triples

- Profiles as targets for “triplifying” non-RDF data
- Representing non-RDF data in RDF for the purposes of merging



Property URI

Described Resource URI

```
<?xml version="1.0" encoding="UTF-8" ?>
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:dcterms="http://purl.org/dc/terms/"
  xmlns:foaf="http://xmlns.com/foaf/0.1/" >
  <rdf:Description rdf:about="http://agris.fao.org/resource/CH2001000179">
    <dcterms:title>Heuschrecken brauchen ökologische Ausgleichsflächen</dcterms:title>
    <dcterms:subject rdf:resource="http://aims.fao.org/aos/agrovoc/c_4416" />
    <dcterms:creator rdf:nodeID="PB" />
  </rdf:Description>
  <rdf:Description rdf:nodeID="PB">
    <foaf:name>Peter, B.</my:name>
  </rdf:Description>
</rdf:RDF>
```

Value URI

Value String

**Abstract Model
components embedded
in application syntaxes**

Expressed as triples

Subject	Predicate	Object
agris:CD2001000179	dct:subject	agrovoc:c_4416k
agris:CD2001000179	dct:title	"Heuschrecken..."@de
agris:CD2001000179	dct:creator	:PB
:PBS	foaf:name	"Peter, B."



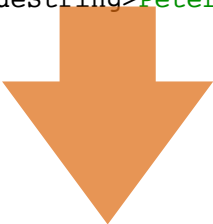
Property URI

Described Resource URI

```
<?xml version="1.0" encoding="UTF-8" ?>
<dcds:descriptionSet xmlns:dcds="http://purl.org/dc/xmlns/2008/09/01/dcds-xml/">
  <dcds:description>
    dcds:resourceURI="http://agris.fao.org/resource/CH2001000179">
      <dcds:statement dcds:propertyURI="http://purl.org/dc/terms/title">
        <dcds:literalValueString>Heuschrecken brauchen ökologische Ausgleichsflächen</dcds:literalValueString>
      </dcds:statement>
      <dcds:statement dcds:propertyURI="http://purl.org/dc/terms/subject">
        dcds:valueURI="http://aims.fao.org/aos/agrovoc/c_4416">
          <!-- Reference to value using local identifier -->
          <dcds:statement dcds:propertyURI="http://purl.org/dc/terms/creator">
            dcds:valueRef "PB" />
          </dcds:statement>
        </dcds:statement>
      </dcds:description>
      <!-- Description of value using local identifier -->
      <dcds:description dcds:resourceId="PB">
        <dcds:statement dcds:propertyURI="http://xmlns.com/foaf/0.1/name">
          <dcds:literalValueString>Peter, B.</dcds:literalValueString>
        </dcds:statement>
      </dcds:description>
    </dcds:descriptionSet>
```

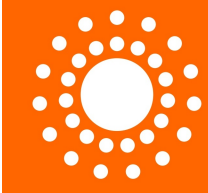
Value URI

Value String



Expressed as triples

Subject	Predicate	Object
agris:CD2001000179	dct:subject	agrovoc:c_4416k
agris:CD2001000179	dct:title	"Heuschrecken..."@de
agris:CD2001000179	dct:creator	:PB
:PBS	foaf:name	"Peter, B."



2008: Embed DSPs in wiki documents?

EprintsApplicationProfile - DCWiki - Mozilla Firefox

File Edit View History del.icio.us Tools Help

http://knowware.nada.kth.se/DCWiki/EprintsApplicationProfile

Google

H H/a H/admin A A/links AF I/u I/swd I/work I/accts I/acctx I/pers I/admin IALL FF F/.html webit.html

edrive A/a SCRIPTS AGENDAS A/links WEBIT

SimpleDublinCore - DCWiki Domains and Ranges for DCMI Proper... EprintsApplicationProfile - DCWiki

Property	http://purl.org/dc/terms/abstract
Literal?	No
Definition	A summary of the content of the resource.
Eprint-specific recommendation	A summary of the important points of the eprint.

Identifier

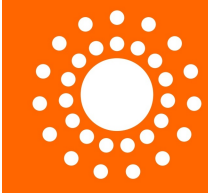
Property	http://purl.org/dc/elements/1.1/identifier						
Min occurrence	1						
Literal?	Yes						
Definition	An unambiguous reference to the resource within a given context.						
Eprint-specific recommendation	A URI for the eprint.						
Value (Literal)	<table border="1"><tr><td colspan="2">Syntax Encoding Scheme:</td></tr><tr><td>Occurrence</td><td>mandatory</td></tr><tr><td>Choose from</td><td>http://purl.org/dc/terms/URI</td></tr></table>	Syntax Encoding Scheme:		Occurrence	mandatory	Choose from	http://purl.org/dc/terms/URI
Syntax Encoding Scheme:							
Occurrence	mandatory						
Choose from	http://purl.org/dc/terms/URI						

For example:

Find: simple Next Previous Highlight all Match case

Done

<http://dublincore.org/documents/2008/10/06/dsp-wiki-syntax/DescriptionSetProfile-dist.zip>



...in machine-readable syntax

```
==== Title ====
----
ST=(type="literal" PC={http://purl.org/dc/terms/title})
|| Definition || A name given to the resource. ||
LC={LangC={occurrence="optional" SESConstraint={occurrence="disallowed" }

==== Creator ====
----
ST=(type="nonliteral" PC={http://purl.org/dc/terms/creator})
|| Definition || An entity primarily responsible for making the resource. ||
|| Comment || Examples of a Creator include a person, an organization, or a service. Typically, the name of a Creator
should be used to indicate the entity. ||
NLC={ VURICConstraint={ occurrence="disallowed" VESConstraint={ occurrence="disallowed" } VStringConstraint={max="2"
LangC={occurrence="optional" SESConstraint={occurrence="disallowed" } )

==== Subject ====
----
ST=(type="nonliteral" PC={http://purl.org/dc/terms/subject})
|| Definition || The topic of the resource. ||
|| Comment || Typically, the subject will be represented using keywords, key phrases, or classification codes.
Recommended best practice is to use a controlled vocabulary. To describe the spatial or temporal topic of the
resource, use the Coverage element. ||
NLC={ VURICConstraint={ occurrence="disallowed" VESConstraint={ occurrence="disallowed" } VStringConstraint={max="1"
LangC={occurrence="optional" SESConstraint={occurrence="disallowed" } )

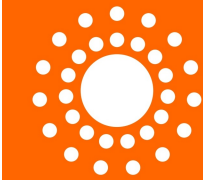
==== Description ====
----
ST=(type="literal" PC={http://purl.org/dc/terms/description})
|| Definition || An account of the resource. ||
```



...and extract to configure an editor?

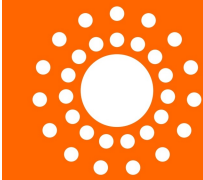
The screenshot shows a web browser window with the address bar displaying `http://www.dn.se/`. The page has a light blue background and contains a form with several fields and controls:

- Title:** A text input field containing "DSP Presentation" and a dropdown menu set to "English". To the right are green "+" and red "-" buttons.
- Creator:** A label followed by green "+" and red "-" buttons.
- Value:** A text input field containing "Mikael Nilsson", a dropdown menu, and green "+" and red "-" buttons.
- Subject:** A label followed by green "+" and red "-" buttons.
- Value:** A text input field containing "application profiles", a dropdown menu set to "English", and green "+" and red "-" buttons.
- Subject:** A label followed by green "+" and red "-" buttons.
- Value:** A text input field containing "description set profiles", a dropdown menu set to "English", and green "+" and red "-" buttons.
- Subject:** A label followed by green "+" and red "-" buttons.
- Value:** A text input field containing "urce description framework", a dropdown menu set to "English", and green "+" and red "-" buttons.



Profile Requirements

- Authored in an idiom usable by normal people
- Constraints reusable for data automatic validation



Profile Use Cases

- Community consensus on metadata models
- Validating metadata
- Constructive feedback to implementers
- Building user interfaces
- *Many types of profile?*