

RLG Partnership Meeting  
June 1-3 2009

# The Crosswalk Web Service

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# The Crosswalk Web Service at OCLC



- Enables OCLC to translate from one *metadata format* to another.
  - A “metadata format” is a triple that consists of a metadata schema, a structural encoding, and a character encoding.
  - Supported standards are bibliographic, but the software can handle other types of data.
- Can be called from any product or service that processes metadata.
- A version with a slightly different interface resides on the OCLC Enterprise Bus.

# The translations

## Inputs

MARC 21-2709

ONIX Books

MARC XML

MODS

DC XML

OAI-DC XML

OCLC CDF

DC-Qualified

ONIX Serials

OCLC's  
Common  
Data  
Format

MARC 21-2709

## Outputs

OCLC MARC

OCLC CDF

ONIX Books

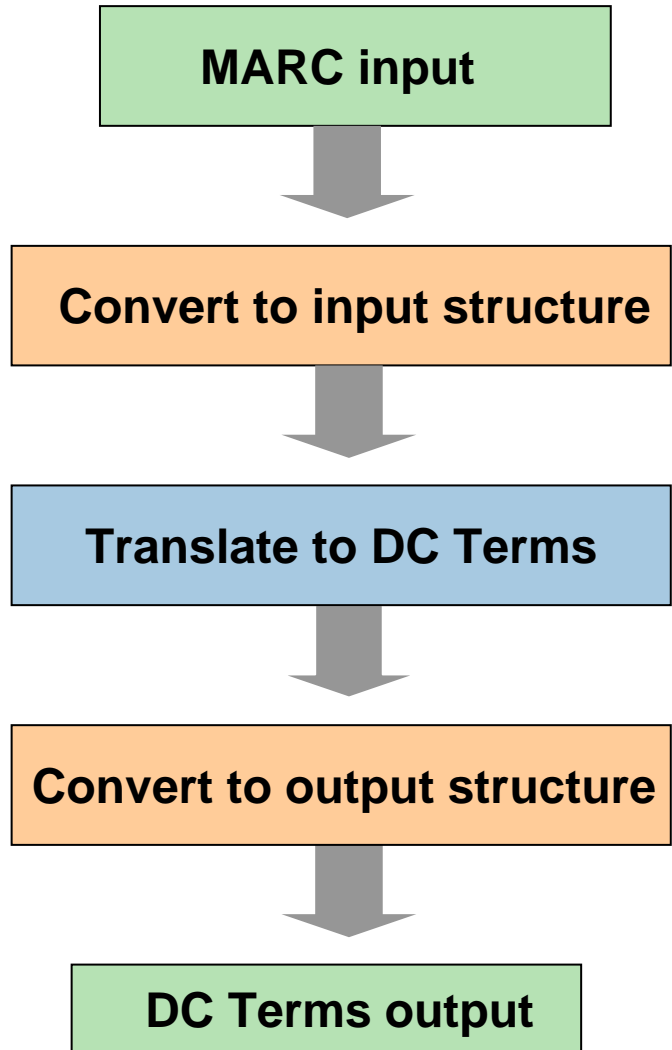
MARC XML

DC XML

DC-Qualified

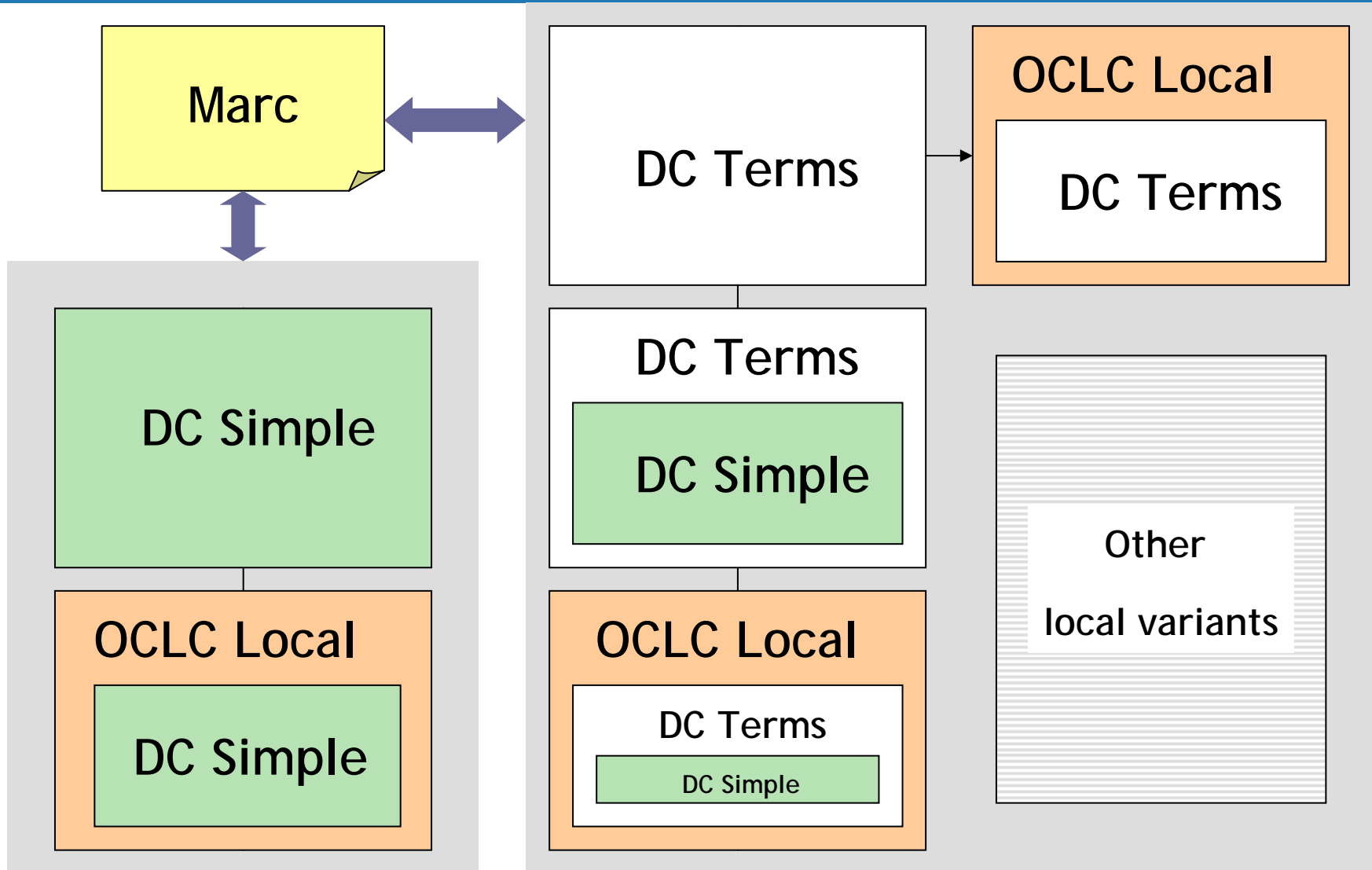
MODS

# Data flow for a single translation

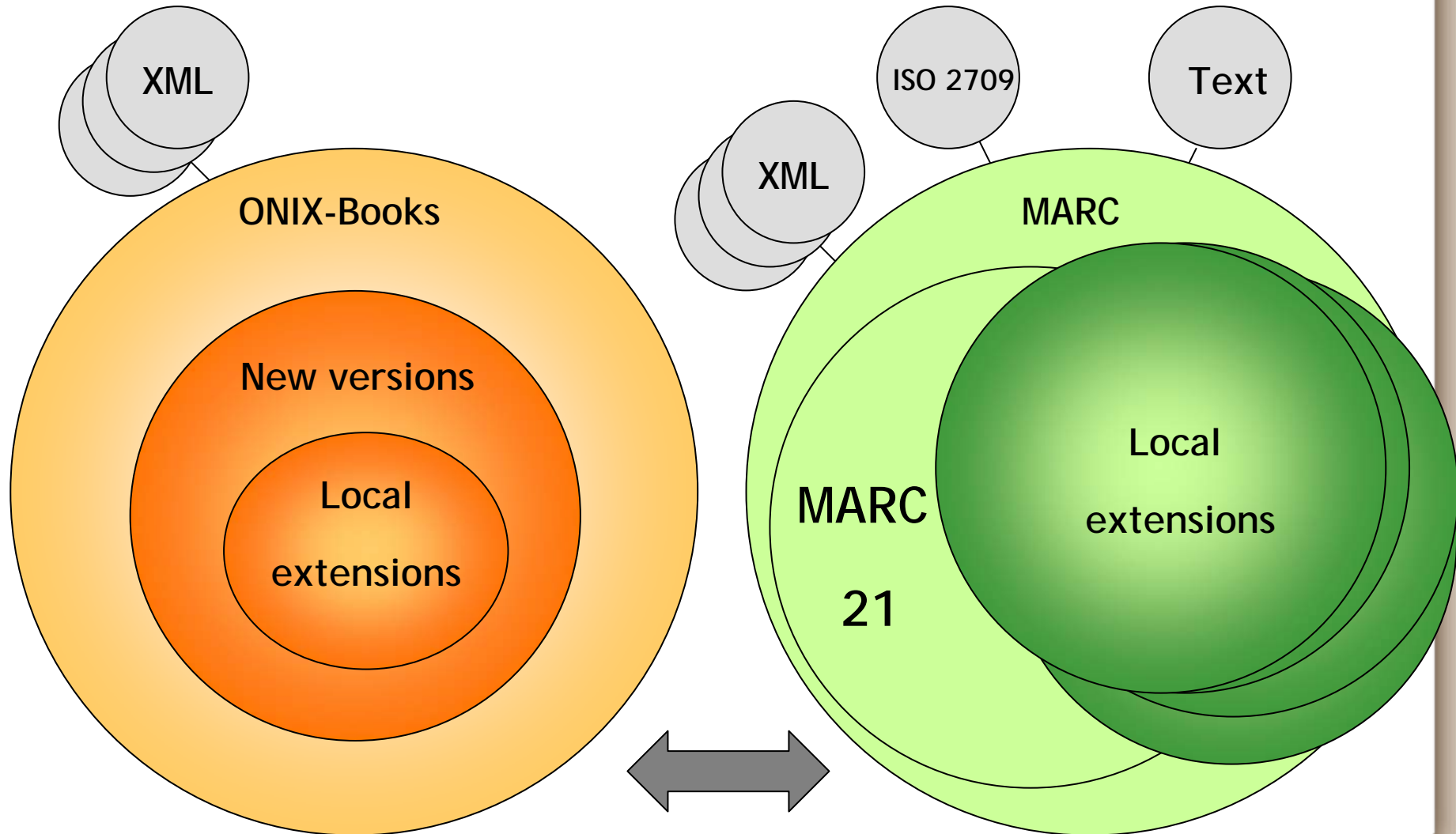


```
<?xml version="1.0" encoding="UTF-8"?>
<qualifieddc xmlns
  dcterms='purl.org;dc/terms' >
  <dctermsset>
    <dcterms:spatial>
      northwest
    </dcterms:spatial>
  </dctermsset>
</qualifieddc>
```

# The MARC-Dublin Core relationship



# Translations and conversions, expanded



OCCL 48893831 No holdings in OCL - 6 other holdings

Books Rec stat c Entered 20020130 Replaced 20070315095236.1

Type a ELvl l Srce d Audn Ctrl Lang eng  
 BLvl m Form Conf 1 Biog MRec Ctry ja  
 Cont b t GPub LitF 0 Indx 1  
 Desc a Ills a Fest 0 DtSt s Dates 2001

040 OCC #c OCC #d OCL #d OCLCQ #d TEF #d OCL

020 4924600989

020 9784924600980

041 0 eng #a jpn

082 0 4 025.3/4 #2 22

090 Z699.35.M28 #b l58 2001

092 #b

049 OCLC

111 2 International Conference on I

245 1 0 Proceedings of the Internation  
 Informatics ... [et al. ; edited by

246 1 #i At head of title: #a DC-2001

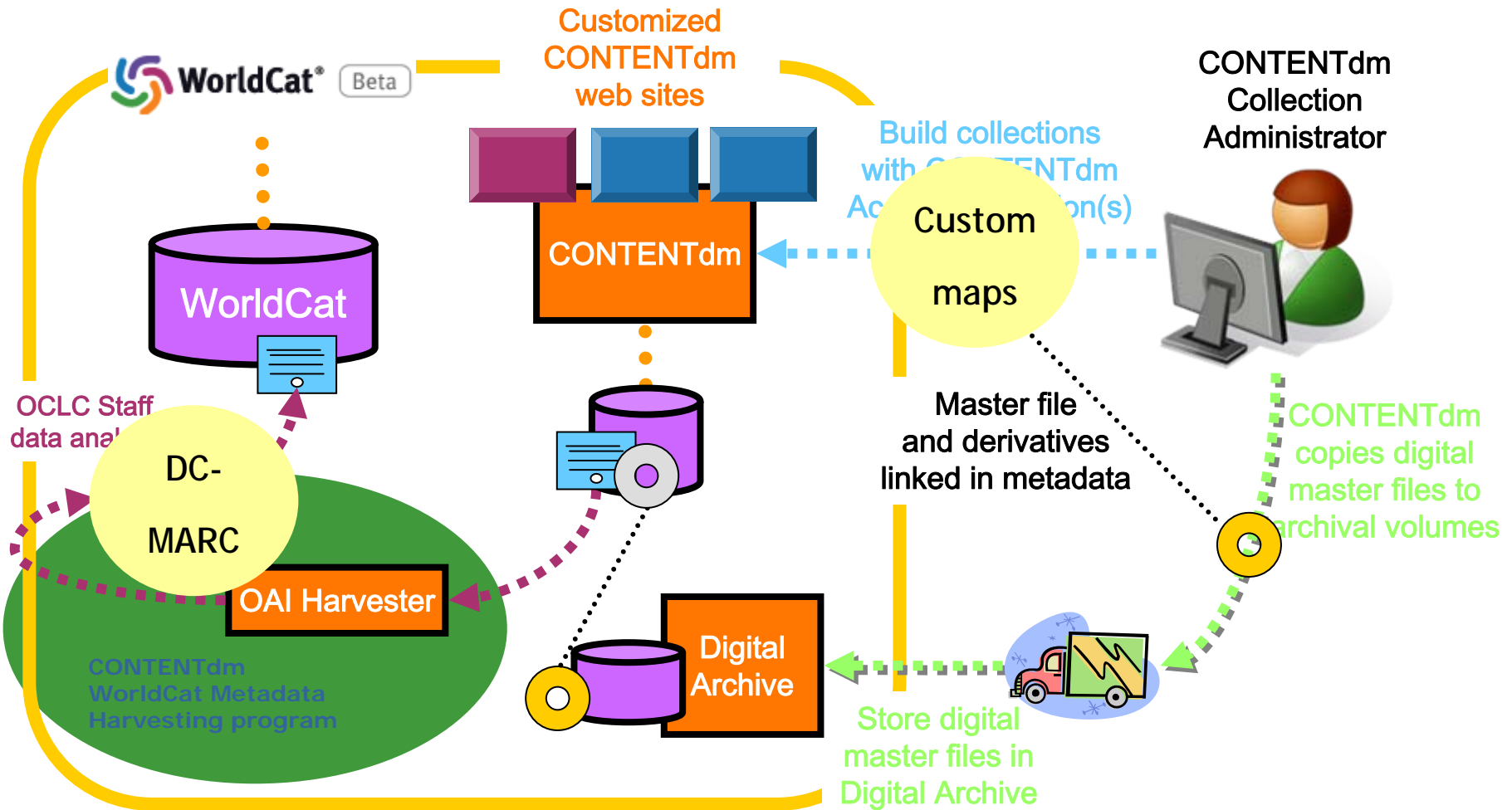
260 Tokyo : #b National Institute o

300 xi, 297 p. : #b ill. ; #c 30 cm.

546 English and Japanese.

```
<?xml version="1.0" encoding="UTF-8" ?>
- <dcterms>
- <qualifieddc xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:dcterms="http://purl.org/dc/terms" xmlns:dcmitype="http://purl.org/dc/dcmitype/" xmlns:xsi="http://www.w3.org/2001
xsi:noNamespaceSchemaLocation="http://dublincore.org/schemas/xmls/qdc/2006/0
<dc:contributor>Oyama, Keizo.</dc:contributor>
<dc:contributor>Gotoda, Hironobu.</dc:contributor>
<dc:contributor>Kokuritsu Jōhōgaku Kenkyūjo.</dc:contributor>
<dc:contributor>Dublin Core Metadata Initiative.</dc:contributor>
<dc:creator>International Conference on Dublin Core and Metadata Applications (200
<dcterms:issued>[2001]</dcterms:issued>
<dc:description>Includes bibliographical references.</dc:description>
<dc:description>Material support for the DC-2001 conference provided by: National In
Dublin Core Metadata Initiative (DCMI), Japan Science and Technology Corporatio
Information Science (ULIS), Communications Research Laboratory (CRL), National
</dc:description>
<dcterms:extent>xi, 297 p. : ill. ; 30 cm.</dcterms:extent>
<dc:identifier>4924600989</dc:identifier>
<dc:identifier>9784924600980</dc:identifier>
<dc:language>English and Japanese.</dc:language>
```

# From ContentDM to WorldCat

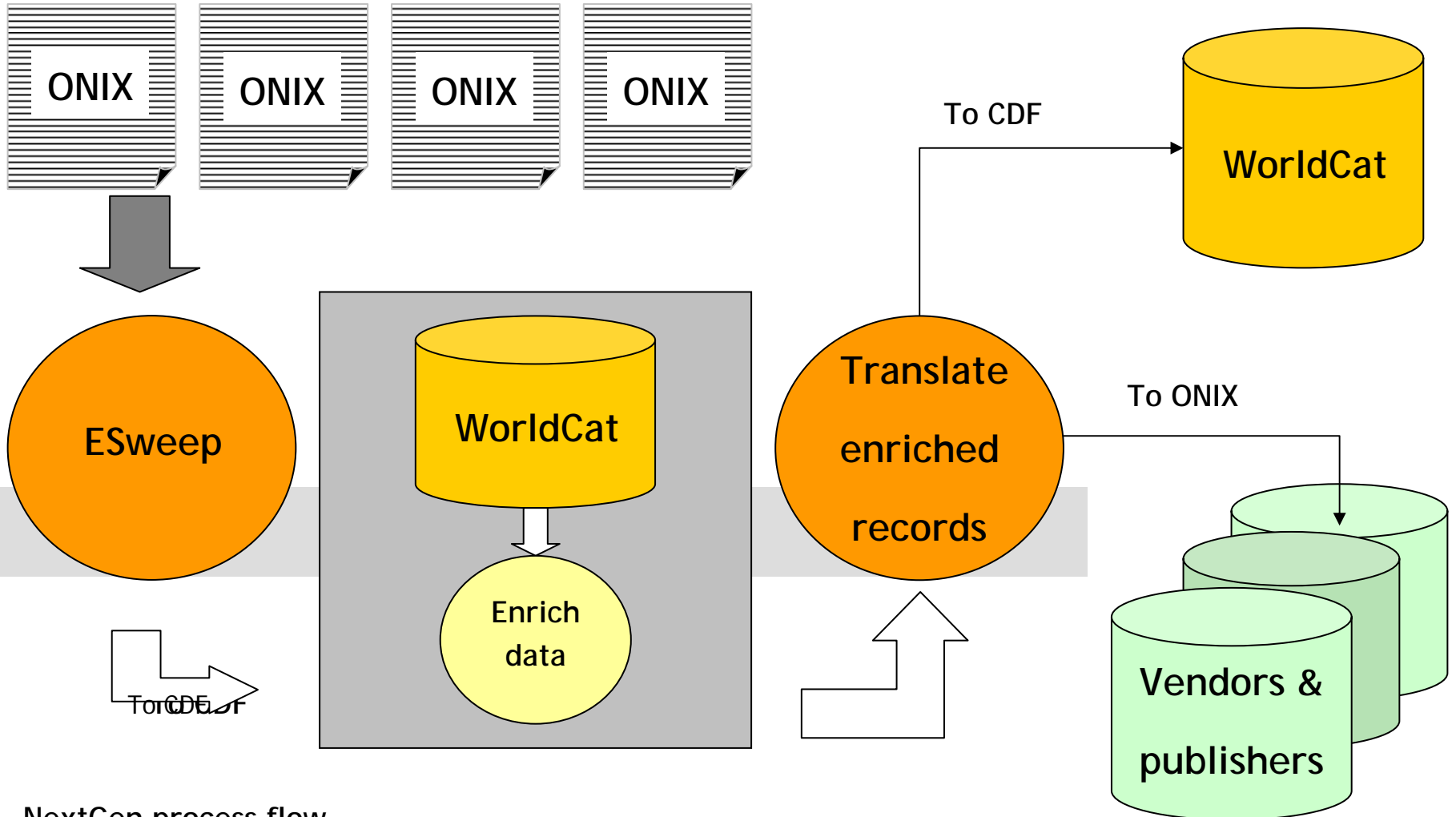




# Next Generation Cataloging



Vendor and publisher records



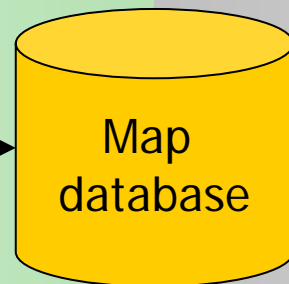
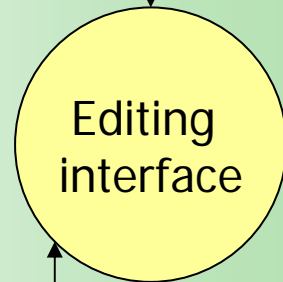
NextGen process flow

# A graphical user interface

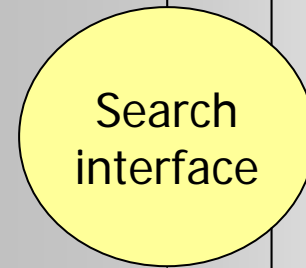
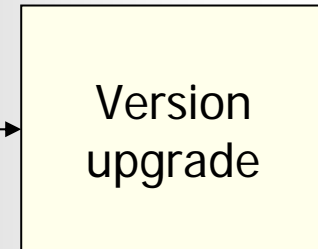
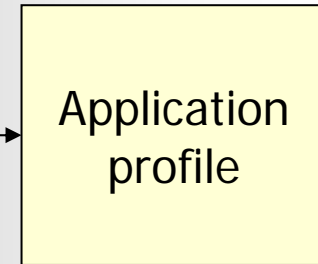
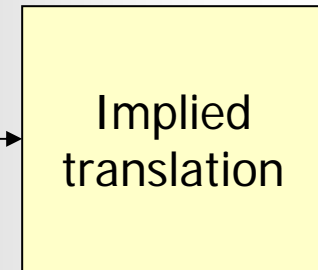
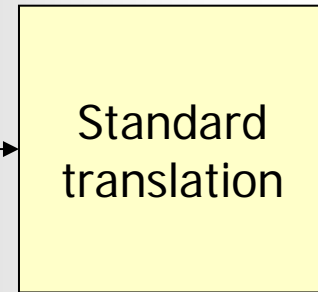
## Inputs

```
<map>  
Source: MARC 245 $a  
Target: ONIX Title  
</map>
```

```
<map>  
Source: MARC 650 $a  
Target: ONIX Subject  
</map>
```



## Outputs



- Research reports
  - [Encoding Application Profiles in a Computational Model of the Crosswalk](#)
  - [Toward element-level interoperability in bibliographic metadata](#)
  - [A Repository of Metadata Crosswalks](#)
  - [Two Paths to Interoperable Metadata](#)
- The public demo
  - [OCLC Crosswalk Web Service Demo](#)
- [OCLC Information and Services for Publishers](#)