DC to XC Schema Transformation Service Documentation

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DC to XC Schema Transformation Service Documentation

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The DC to XC Transformation Service converts the DC (simple and qualified) metadata format into XC records. This is done by mapping a finite set of elements to a work, expression, or manifestation.

# DC to XC Mappings

The service is agnostic as to whether or not the dc elements are simple or qualified. As long as it’s in one of the following namespaces, then it will get processed:  
  
http://purl.org/dc/elements/1.1/  
http://purl.org/dc/terms

The following elements are mapped to the corresponding frbr record.

|  |  |  |
| --- | --- | --- |
| **work:**  abstractaudiencecoveragecreatorisReplacedByreplacesspatialsubjecttemporal | **expression:**  available bibliographicCitation conformsTo contributor dateAccepted dateCopyrighted educationLevel hasFormat hasVersion instructionMethod isFormatOf isReferencedBy isRequiredBy isVersionOf language mediator references relation requires source type | **manifestation:**  accessRights  accrualMethod  accrualPeriodicity  accrualPolicy  alternative  created  date  dateSubmitted  description  extent  format  hasPart  identifier  isPartOf  issued  license  medium  modified  provenance  publisher  rights  rightsHolder  tableOfContents  title  valid |

**An example is as follows… this input record:**

|  |
| --- |
| <oai\_dc:dc xmlns:oai\_dc="http://www.openarchives.org/OAI/2.0/oai\_dc/" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:dcterms="http://purl.org/dc/terms" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">  <dcterms:title>Segmentation Propagation during a Camera Saccade</dcterms:title>  <dcterms:identifier xsi:type="dcterms:URI">http://hdl.handle.net/1802/26</dcterms:identifier>  <dc:type>Technical Report</dc:type>  <dcterms:creator>Green, Isaac, A. (1974 - )</dcterms:creator>  <dcterms:creator>Nelson, Randal, C. </dcterms:creator>  <dcterms:abstract>In this paper, we present a method for propagating segmentation information across a saccade for a foveating camera. In particular, we take a region of interest from a wide-angle, low-fidelity image and propagate its segmentation information to a zoomed, high-fidelity image containing that region. Our method uses normalized greyscale templates to estimate the change in translation and magnification required to transform the segmented region. This process is useful for systems which detect regions of interest at low-fidelity and then perform a saccade to provide a high-fidelity view of that region of interest. We show how using this method increases the performance of an active object recognition system.</dcterms:abstract>  <dcterms:language>eng</dcterms:language>  <dcterms:subject>active object recognition</dcterms:subject>  <dcterms:subject>segmentation</dcterms:subject>  <dcterms:subject>object tracking</dcterms:subject>  <dcterms:publisher>University of Rochester. Computer Science Department.</dcterms:publisher>  <dcterms:rights>This item is protected by copyright, with all rights reserved.</dcterms:rights>  <dcterms:bibliographicCitation/>  <dcterms:dateAccepted>Thu, 17 Jul 2003 15:40:11</dcterms:dateAccepted>  <dcterms:issued>Month: 11 Year: 2002 </dcterms:issued>  <dcterms:modified>Thu, 17 Jul 2003 15:40:11</dcterms:modified>  </oai\_dc:dc> |

**produces these output records:**

|  |
| --- |
| <xc:frbr xmlns:xc="http://www.extensiblecatalog.info/Elements" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:rdvocab="http://rdvocab.info/Elements" xmlns:dcterms="http://purl.org/dc/terms/" xmlns:rdarole="http://rdvocab.info/roles">  <xc:entity type="work" id="oai:mst.rochester.edu:dctoxctransformation/23595001">  <dcterms:subject>active object recognition</dcterms:subject>  <dcterms:subject>segmentation</dcterms:subject>  <dcterms:subject>object tracking</dcterms:subject>  <dcterms:creator>Green, Isaac, A. (1974 - )</dcterms:creator>  <dcterms:creator>Nelson, Randal, C.</dcterms:creator>  <dcterms:abstract>In this paper, we present a method for propagating segmentation information across a saccade for a foveating camera. In particular, we take a region of interest from a wide-angle, low-fidelity image and propagate its segmentation information to a zoomed, high-fidelity image containing that region. Our method uses normalized greyscale templates to estimate the change in translation and magnification required to transform the segmented region. This process is useful for systems which detect regions of interest at low-fidelity and then perform a saccade to provide a high-fidelity view of that region of interest. We show how using this method increases the performance of an active object recognition system.</dcterms:abstract>  </xc:entity>  </xc:frbr> |
| <xc:frbr xmlns:xc="http://www.extensiblecatalog.info/Elements" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:rdvocab="http://rdvocab.info/Elements" xmlns:dcterms="http://purl.org/dc/terms/" xmlns:rdarole="http://rdvocab.info/roles">  <xc:entity type="expression" id="oai:mst.rochester.edu:dctoxctransformation/23595002">  <dcterms:type>Technical Report</dcterms:type>  <dcterms:dateAccepted>Thu, 17 Jul 2003 15:40:11</dcterms:dateAccepted>  <dcterms:language>eng</dcterms:language>  <dcterms:bibliographicCitation/>  <xc:workExpressed>oai:mst.rochester.edu:dctoxctransformation/23595001</xc:workExpressed>  </xc:entity>  </xc:frbr> |
| <xc:frbr xmlns:xc="http://www.extensiblecatalog.info/Elements" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:rdvocab="http://rdvocab.info/Elements" xmlns:dcterms="http://purl.org/dc/terms/" xmlns:rdarole="http://rdvocab.info/roles">  <xc:entity type="manifestation" id="oai:mst.rochester.edu:dctoxctransformation/23595003">  <dcterms:rights>This item is protected by copyright, with all rights reserved.</dcterms:rights>  <dcterms:issued>Month: 11 Year: 2002</dcterms:issued>  <dcterms:modified>Thu, 17 Jul 2003 15:40:11</dcterms:modified>  <dcterms:identifier>http://hdl.handle.net/1802/26</dcterms:identifier>  <dcterms:publisher>University of Rochester. Computer Science Department.</dcterms:publisher>  <dcterms:title>Segmentation Propagation during a Camera Saccade</dcterms:title>  <xc:expressionManifested>oai:mst.rochester.edu:dctoxctransformation/23595002</xc:expressionManifested>  </xc:entity>  </xc:frbr> |