

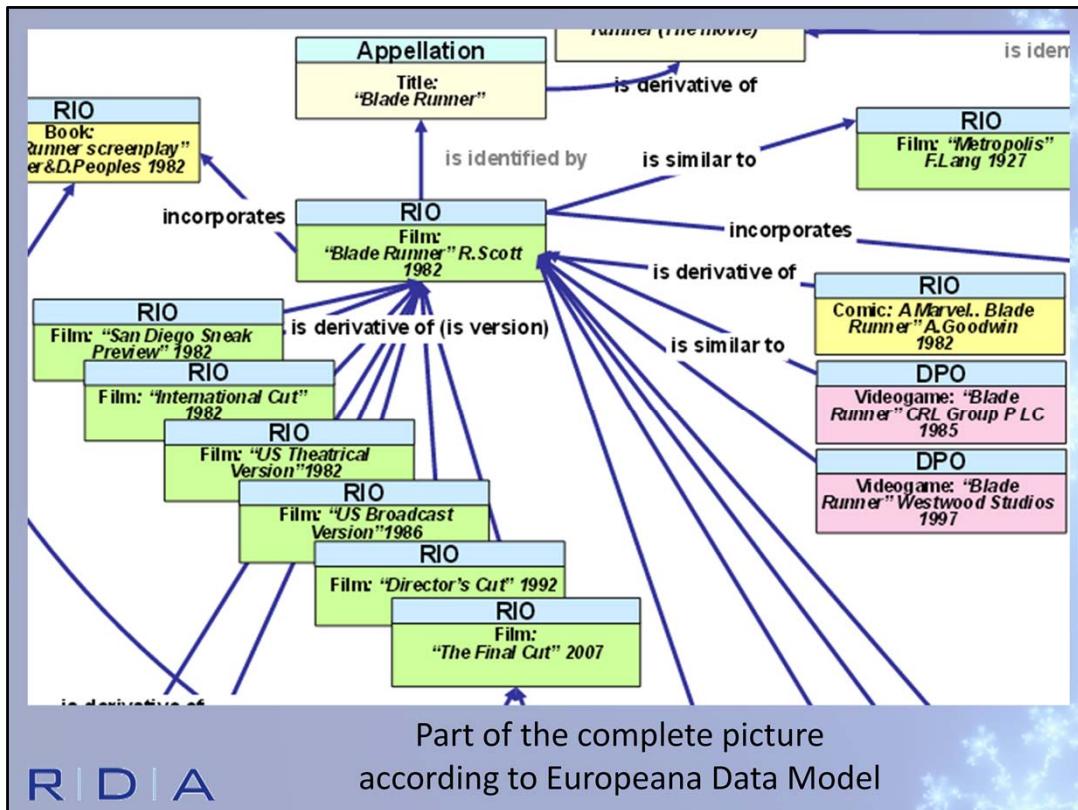
# Blade runner: my first R-Ball

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R|D|A

I originally set aside a morning to explore RIMMF3, version 3 of RDA in Many Metadata Formats. I forced myself to stop three days later – I was having so much fun, cataloguing instincts took over, and I wanted to see if FRBR really worked with the RDA instructions across the modern diversity of information resources.



Why Blade Runner

Well, you have to start somewhere ...

And I was familiar with this diagram used to illustrated the Europeanana Data Model

Plus I like the movie, the novel, and the soundtrack!

**Main catalogue**

1. Search **or: blade runner** 2. Choose a search type: Title

3. Quick limits: None

Records per page: 25 records per page

Search tips

- For title and journal title searches, remove 'the' or any other leading article
- For author searches, use surname then forename (for example Rankin Ian)
- For keyword searches, use quotes to search phrases: "world wide web"

<http://main-cat.nls.uk/vwebv/searchBasic>

**Simple search**

As soon as I open RIMMF3, I dive straight in after a cursory glance at tutorials, documentation, etc.

I start from close to home. The National Library of Scotland (a 30 minute walk from where I live) has an open license policy for its metadata, and makes it easy to download MARC21 records.

\* I use the search in beginner mode ...

\* I just enter “blade runner” into the default search form.

The screenshot shows the NLS search results page. At the top, there is a logo for 'nls' and the text 'National Library of Scotland' and 'Leabharlann Nàiseanta na h-Alba'. There are links for 'Login if you are a registered user', 'Register for a library card', and 'Help'. Below the header are buttons for 'New search', 'My searches', 'My list', 'My account', 'Ask a librarian', 'Advocates Library', and 'Gaelic version'. The main content area displays 14 results found for the search term 'Title(blade runner)'. A message says 'To request an item, click on a title to go to the full record then select Request this item'. Below this are buttons for 'Edit / new search' and 'Save search'. The search results are listed in a table:

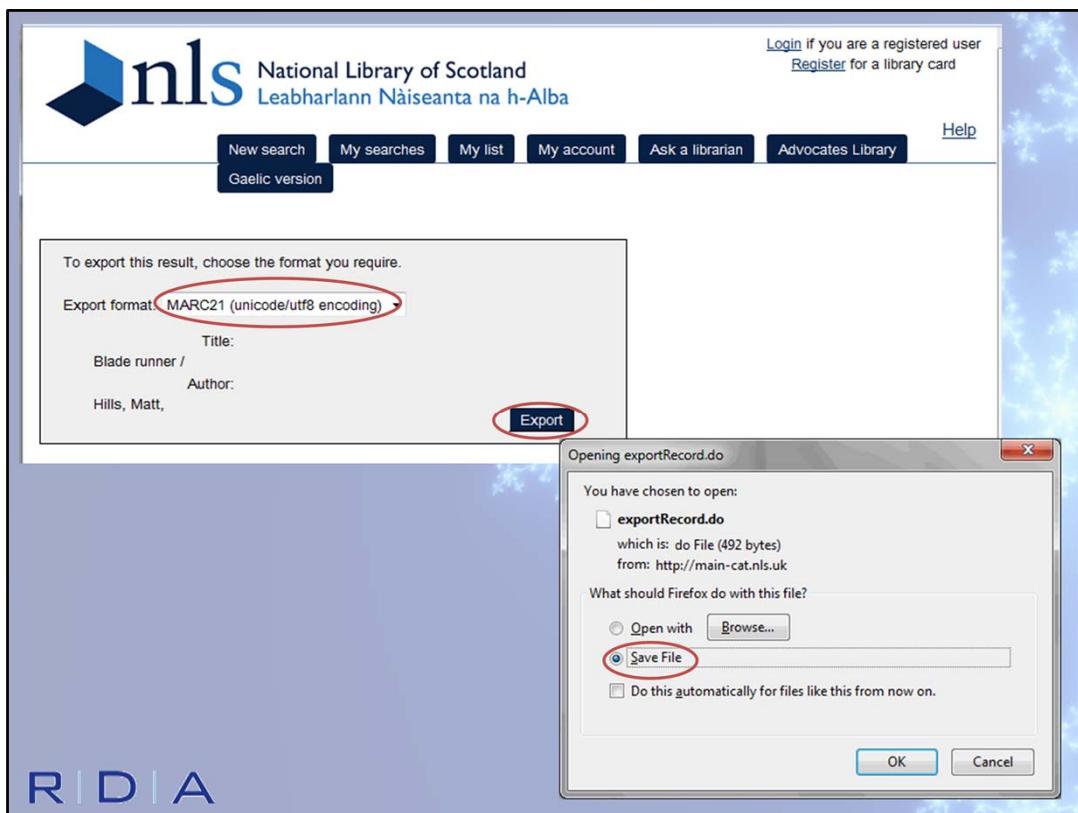
	Title	Author/Editor	Year	Call Number	Status	Image
1	<a href="#">Blade runner / Matt Hills.</a>	Hills, Matt.	1971-	PB2.212.22/10	Available, General Reading Room (stored offsite)	
2	<a href="#">Blade runner / Scott Bukatman.</a>	Bukatman, Scott.	1997	HP1.98.845	Available, General Reading Room (stored in George IV Bridge)	
3	<a href="#">Blade runner / Scott Bukatman.</a>	Bukatman, Scott.	2012	PB5.212.1031/12	Available, General Reading Room (stored offsite)	

To the right of the results, there is a sidebar titled 'Refine your search:' with various filters like 'Electronic resources', 'In English', etc. The 'Export' button in the header is circled in red.

I get 14 hits. I am going to export them one at a time until I get familiar with the data flow.

The first hit looks promising. (I go to the “full” display and the summary indicates this is a work about the movie “Blade Runner”.)

- \* I select the record by clicking its box.
- \* Then I export the selected record using the Export option.
- \* Note that I can also email the record or add it to a personal list.



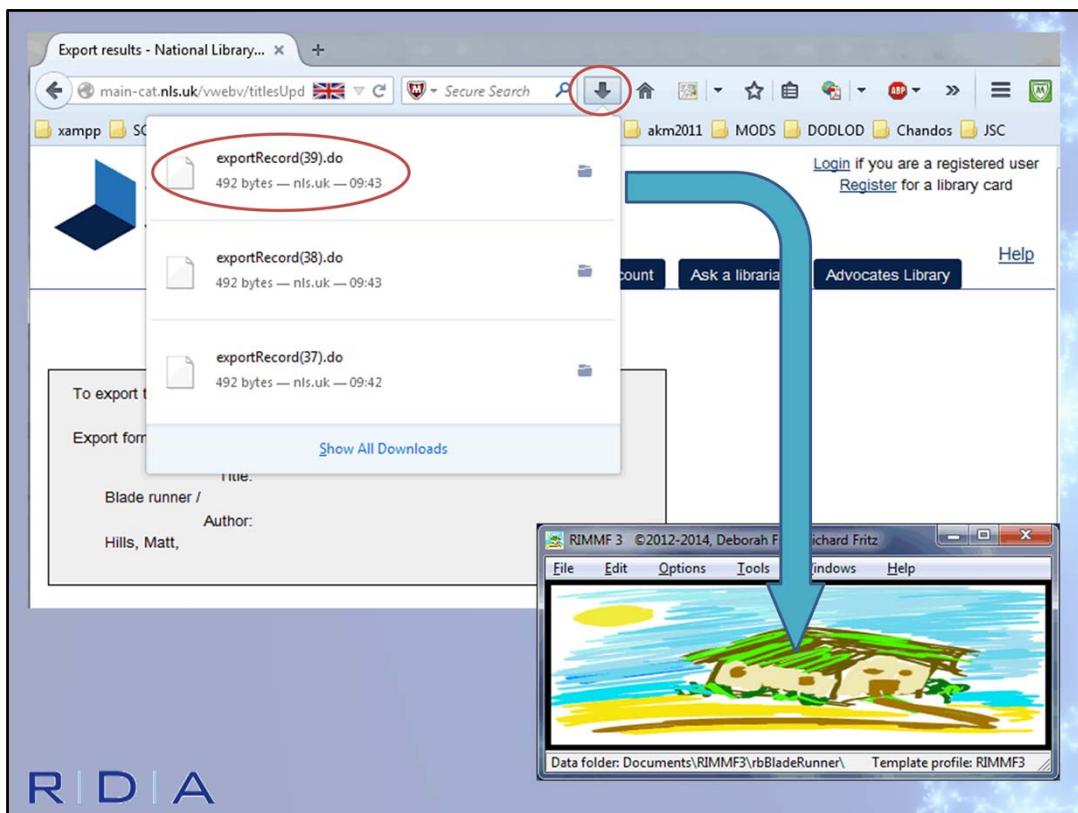
The Library offers a choice of formats for exporting records.

\* I select the MARC21 Unicode export format.

(MARC21 Latin 1, and “Raw MARC21” are also available.)

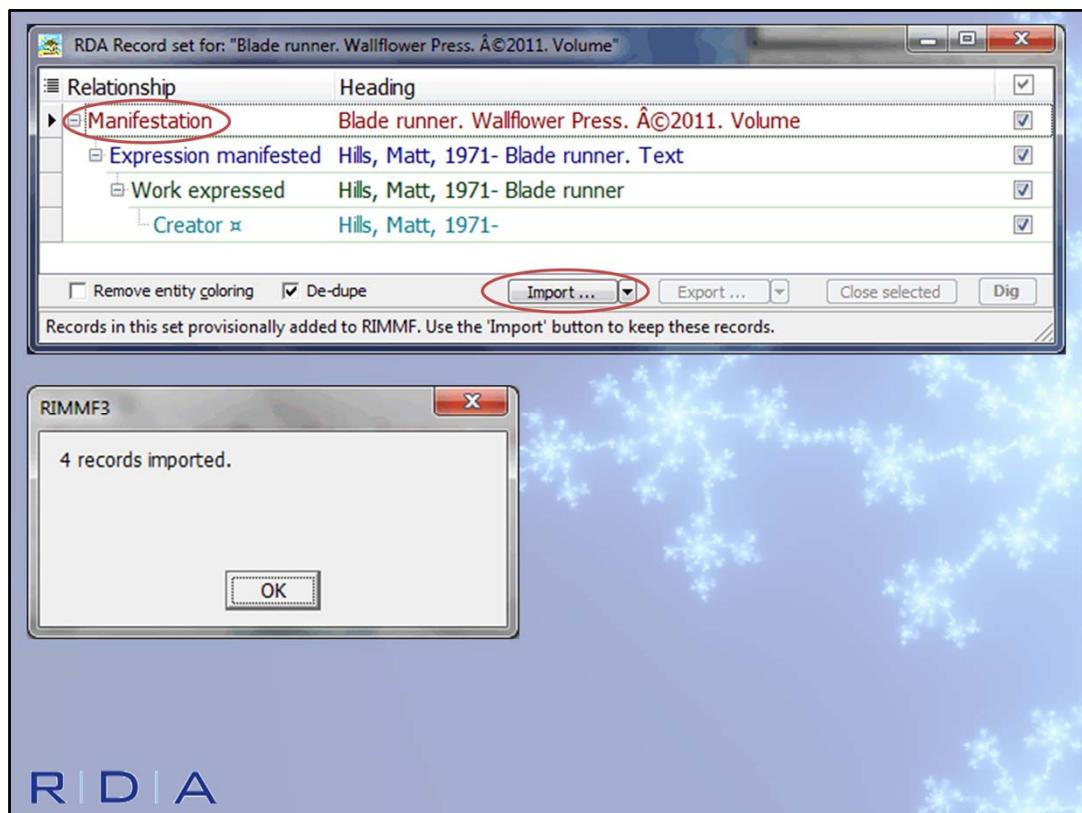
\* Then I use the Export option to export the MARC21 record.

\* I save the file on my computer.



\* I use the download access option on my web browser to display recent files.

\* Then I just drag and drop the downloaded MARC21 export file onto RIMMF.



RIMMF tells me it has created a set of 4 RDA entity records from the MARC21 record.

The set includes a Work-Expression-Manifestation (WEM) stack, and the Person with primary responsibility for the Work.

RIMMF has pre-selected all 4 records. That is good enough for me.

\* I use the import option to import all the selected records.

RIMMF notifies me that all 4 records have been imported.

\* Then I click on the Manifestation record to open it up in the RIMMF editor.

Element Label	Text	RDA Rule	AAP
Manifestation			
RIMMF Identifier	brgd00000827	no rule	
Composite Key	Blade runner. Wallflower Press. ©2011. Volume		
Title			
Title Proper	Blade runner	2.3 2.3.2	<input checked="" type="checkbox"/>
Statement of Responsibility			
Statement of Responsibility Relating to Title Proper	Matt Hills	2.4 2.4.2	
Publication Statement			
Place of Publication	London	2.8.2	<input type="checkbox"/>
Publisher's Name	Wallflower Press	2.8.4	<input checked="" type="checkbox"/>
Date of Publication	©2011	2.8.6	<input checked="" type="checkbox"/>
Copyright Date	©2011	2.11	<input type="checkbox"/>
Series Statement			
Title Proper of Series	Cultographies	2.12.2	<input type="checkbox"/>
Mode of Issuance	single unit	2.13	<input type="checkbox"/>
Identifier for the Manifestation	ISBN 9781906660338 (pbk.)	2.15	<input type="checkbox"/>
Identifier for the Manifestation	ISBN 1906660336 (pbk.)	2.15	<input type="checkbox"/>
Note On Manifestation	Formerly CIP.	2.17	
Media Type	unmediated	3.2	<input type="checkbox"/>
Carrier Type	volume	3.3	<input checked="" type="checkbox"/>
Extent statement †	128 p	3.4	<input type="checkbox"/>
Number of units †	128	3.4.1.3	<input type="checkbox"/>
Type of Unit (Text) ✎	pages	3.4.5	<input type="checkbox"/>
Dimensions	18 cm	3.5	<input type="checkbox"/>
Expression Manifested	Hills, Matt, 1971- Blade runner. Text <brgd00000828>	17.1+	

The Manifestation record looks basically correct according to the RDA instructions.

The Media type and Carrier type values are correct.

\* These elements seem to contain data outside of their scope.

The copyright symbol should be removed from Date of publication.

The format qualifiers should be removed from Identifier for the Manifestation.

The metadata about the record should be removed from Note on Manifestation.

These are simple to delete inside the value boxes or by using <F6> when the element is highlighted.

The other elements and values seem to be compatible with RDA, but the Item is not in hand.

\* Then I (double) click on the Expression Manifested link to open the Expression record in the RIMMF editor.

Note that I could also click on the "E" button at the bottom of the Manifestation record.

The image displays two windows from the RIMMF application:

**E -- brgd00000828.txt -- Hills, Matt, 1971- Blade runner. Text**

Element Label	Text	RDA Rule	AAP
RIMMF Identifier	brgd00000828	no rule	
Authorized Access Point	Hills, Matt, 1971- Blade runner. Text	6.27.3	
Content Type	text	6.9	<input checked="" type="checkbox"/>
Illustrative Content	illustrations	7.15	
Language of Expression	English	6.11	
Supplementary Content	Includes bibliographical references and index	7.16	
Source Consulted	Blade runner. ©2011	5.8	
Work Expressed	Hills, Matt, 1971- Blade runner <brgd00000829>	17.6+	<input checked="" type="checkbox"/>
Manifestation of Expression	Blade runner. Wallflower Press. ©2011. volume <brgd00000827>	17.9+	

**W -- brgd00000829.txt -- Hills, Matt, 1971- Blade runner**

Element Label	Text	RDA Rule	AAP
Work	brgd00000829	no rule	
RIMMF Identifier	brgd00000829	6.27.1+	
Authorized Access Point	Hills, Matt, 1971- Blade runner	6.27.1+	
Creator	Hills, Matt, 1971- <brgd00000830>	19.2+	<input checked="" type="checkbox"/>
Date of Work	©2011	6.4	
Title of the Work		6.2	
Preferred Title for the Work	Blade runner	6.2.2	<input checked="" type="checkbox"/>
Source Consulted	Blade runner, ©2011	5.8+	
Subject	DDC: 791.4372 22		
Expression of Work	Hills, Matt, 1971- Blade runner. Text <brgd00000828>	17.5+	

The Expression record looks fine. The content type is correct.

- \* I am not sure about the Source consulted element ...
- \* Then I click on the Work Expressed link to open the Work record in the RIMMF editor.

It looks basically correct.

- \* But there's another Source Consulted element ...
- \* And another copyright symbol to remove.
- \* Then I click on the Creator link to open the Person record in the RIMMF editor.

Note that I could refine the Creator element by selecting the relationship designator for Author.

P -- brgd00000830.txt -- Hills, Matt, 1971-

Element Label	Text	RDA Rule	AAP
Person			
RIMMF Identifier °	brgd00000830	no rule	
Authorized Access Point °	Hills, Matt, 1971-	9.19	
Status of Identification	fully established	8.10	
Source Consulted	His Fan cultures, 2002: CIP t.p. (Matt Hills) data sheet (b. Sept. 14, 1971) galley (lect. in media and cultural studies, Cardiff University)	8.12	
Source Consulted	The pleasures of horror, c2005: CIP t.p. (Matt Hills) copr. p. (Matthew Hills)	8.12	
Name of the Person			
Preferred Name for the Person	Hills, Matt	9.2.2	<input checked="" type="checkbox"/>
Variant Name for the Person	Hills, Matthew	9.2.3	<input checked="" type="checkbox"/>
Date Associated with the Person			
Date of Birth	1971	9.3.2	<input checked="" type="checkbox"/>
Identifier for the Person	LCCN n 2001101609	9.18	
Identifier for the Person	<a href="http://id.loc.gov/authorities/names/n2001101609">http://id.loc.gov/authorities/names/n2001101609</a>	9.18	
Variant Access Point °	Hills, Matthew, 1971-	9.19.2	
Creator Of ✎	Hills, Matt, 1971- Blade runner <brgd00000829>		

The Person record looks fine.

\* I have successfully imported and FRBRized a MARC21 record!

The screenshot shows the homepage of the Deutsche Nationalbibliothek. At the top left is the logo 'DEUTSCHE NATIONALBIBLIOTHEK' with vertical stripes in blue, green, yellow, and red. At the top right are links for 'LEIPZIG FRANKFURT AM MAIN'. The top navigation bar includes links for 'Deutsch', 'Contact', 'A-Z', 'Donators', 'Data protection', 'Imprint', 'Help', and 'My Account'. A sidebar on the left lists links for 'Home', 'About us', 'News', 'Catalogues', 'Acquisition', 'Online Publications', 'Use / Service', and 'Standardisation'. The main content area features a search bar with 'Search in: Online Catalogue' and a search field containing 'blade runner', which is circled in red. Below the search bar is a banner for a 'Question round to mark the 130th anniversary of the German Museum of Books and Writing // A quiz on the virtual exhibition celebrating over 5,000 years of media history'. To the right of the banner is a note about the Frankfurt am Main branch opening at 13:00 on November 24. The background of the page has a light blue gradient with white snowflake-like patterns. At the bottom left, there is a logo for 'RIDA'.

<http://www.dnb.de/EN/>

Next I want to try the Deutsche Nationalbibliothek, the German National Library. It also makes it easy to download MARC21 records.

As before, I use the search in beginner mode ...

\* I just enter “blade runner” into the default search form.

Login →

Ergebnis der Suche nach: "blade" and "runner"  
im Bestand: Gesamter Bestand

1 - 10 von 107 Datum (neuestes zuerst) sortieren → ⏪ ⏴ ⏵ ⏶ ⏷ ⏸

	<b>1</b> Beyond Human Seedhouse, Erik. - Berlin : Springer Berlin, 2014, Aufl. 2014	Ankündigung
	<b>2</b> Blade Runner Dick, Philip K.. - Frankfurt, M. : Fischer Taschenbuch, 2014	(L) (F)
	<b>3</b> Blade Runner [Elektronische Ressource] Dick, Philip K.. - Frankfurt am Main : Fischer E-Books, 2014, 1. Aufl.	@
	<b>4</b> Los Angeles. Eine Stadt als Inspirationsquelle für Dystopien [Elektronische Ressource] Stevic, Marko. - München : GRIN Verlag GmbH, 2014	@

I get 107 hits. I am going to export them one at a time because not all of the metadata is available in MARC21 format.

I go to the “full” display for the first two hits, and see that they do not have a MARC download.

\* I select the third record by clicking its brief display.

Treffer 3 von 107

	<a href="http://d-nb.info/1057953342">Link zu diesem Datensatz</a>
Titel/Bezeichnung	Blade Runner [Elektronische Ressource] : Roman Fischer Klassik PLUS / Philip K. Dick
Person(en)	Dick, Philip K. Wölfle, Norbert [Übers.]
Ausgabe	1. Aufl.
Verleger	Frankfurt am Main : Fischer E-Books
Erscheinungsjahr	2014
Umfang/Format	Online-Ressource Dateiformat: epub
Parallele Ausgabe(n)	Druckausg.: ISBN: 978-3-596-90559-1 Druckausg. Dick, Philip K.: Blade Runner

**Aktionen**

- [In meine Auswahl übernehmen](#)
- [Druckansicht](#)
- [MARC21-XML-Repräsentation dieses Datensatzes](#) (highlighted with red circle)
- [RDF/XML-Repräsentation dieses Datensatzes](#)
- [Dokumentation Linked Data](#)
- [bf: BIBFRAME-Repräsentation dieses Datensatzes](#)
- [Projekt BIBFRAME](#)
- [@ Korrekturanfrage](#)
- [Lieferbar bei \*buchhandel.de\*?](#)

[Teilen](#)

Opening 1057953342\_marcxml.xml

You have chosen to open:

1057953342\_marcxml.xml  
which is: XML Document (6.5 KB)  
from: <http://d-nb.info>

What should Firefox do with this file?

Open with [Adobe Dreamweaver CS5.5 \(default\)](#) (selected)  
 Save File (highlighted with red circle)

Do this automatically for files like this from now on.

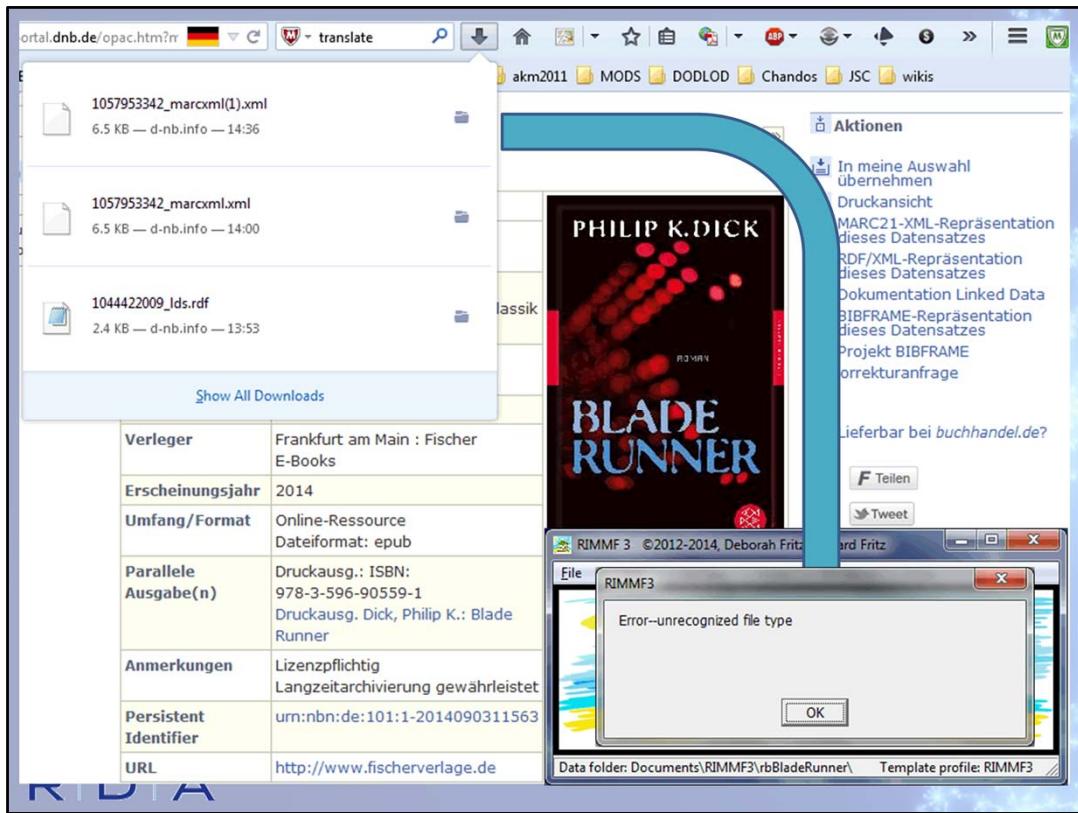
[OK](#) [Cancel](#)

The record is available in MARC21 XML format.

I note also that it is available in RDF/XML and BIBFRAME formats, but these are lossy, do not use the RDA namespace, and cannot be imported into RIMMF.

\* I click on the MARC21-XML option.

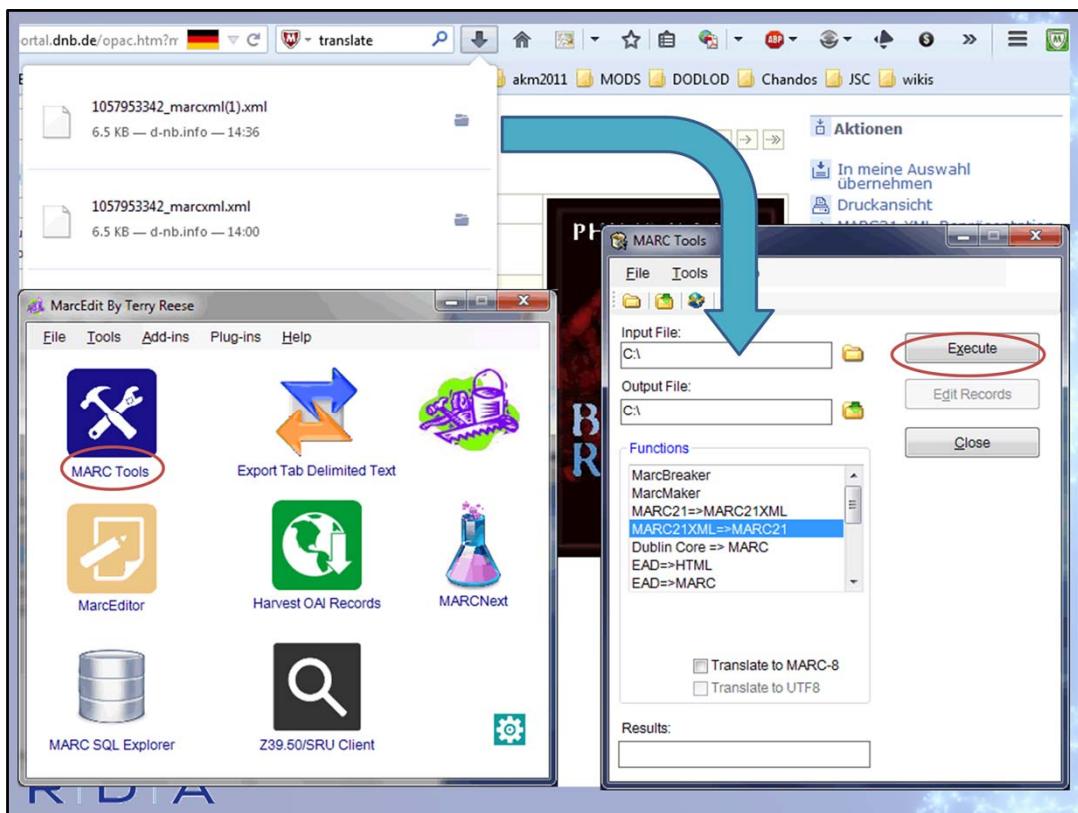
\* And choose to save the download file.



As before, I use the download access option on my web browser to display recent files.

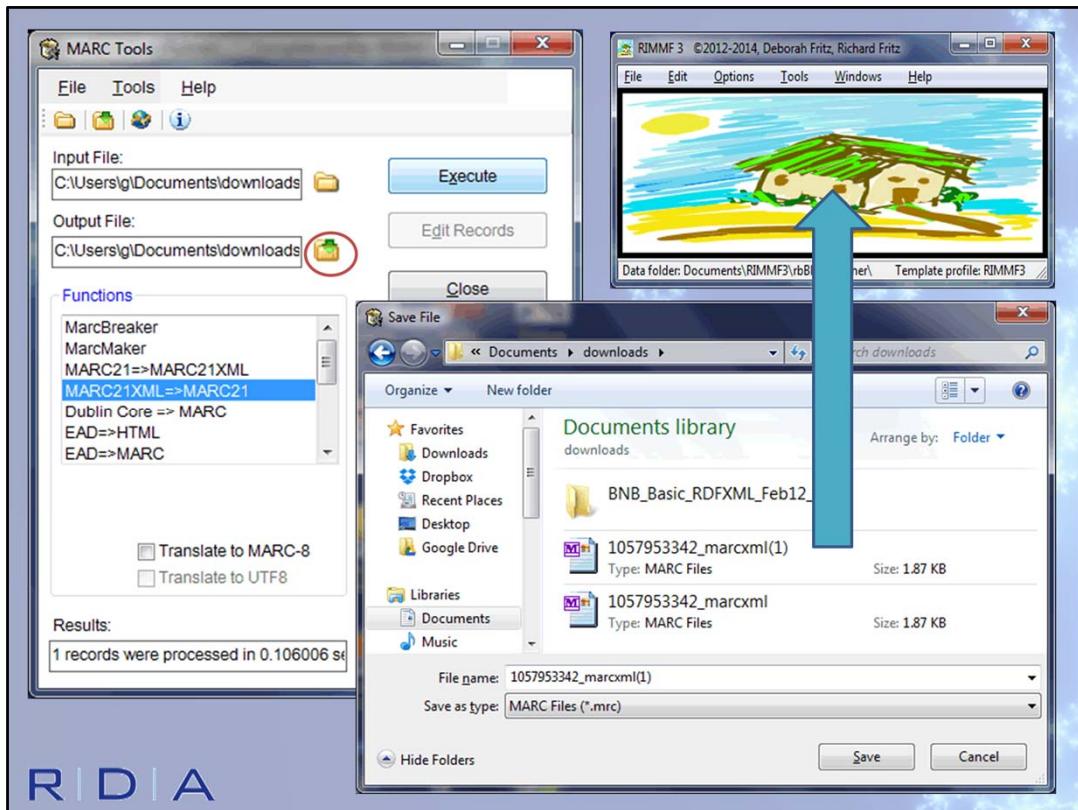
\* Then I just drag and drop the downloaded MARC21 export file onto RIMMF.

\* But this time RIMMF displays an error message: it does not recognize the file type.



This is not a problem.

- \* I know that I can convert the file format using MarcEdit.
- \* MarcEdit is a suite of components.
- \* The MARC Tools component of MarcEdit converts various file formats.
- \* I just drag and drop the downloaded MARC21 export file onto the MARC Tools Input File box, make sure the MARC21XML=>MARC21 function is selected, and use the Execute option.

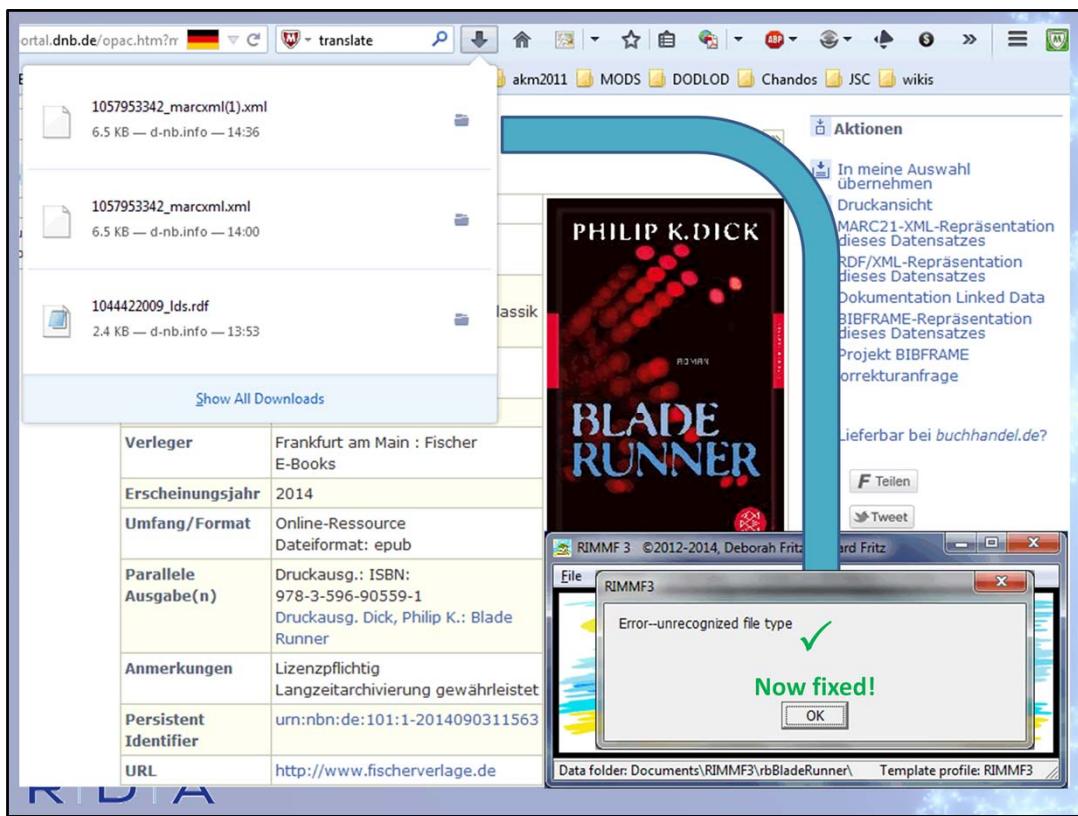


MARC Tools converts the file containing the MARC21 record.

\* I can find the converted file by using the folder icon beside the Output File box.

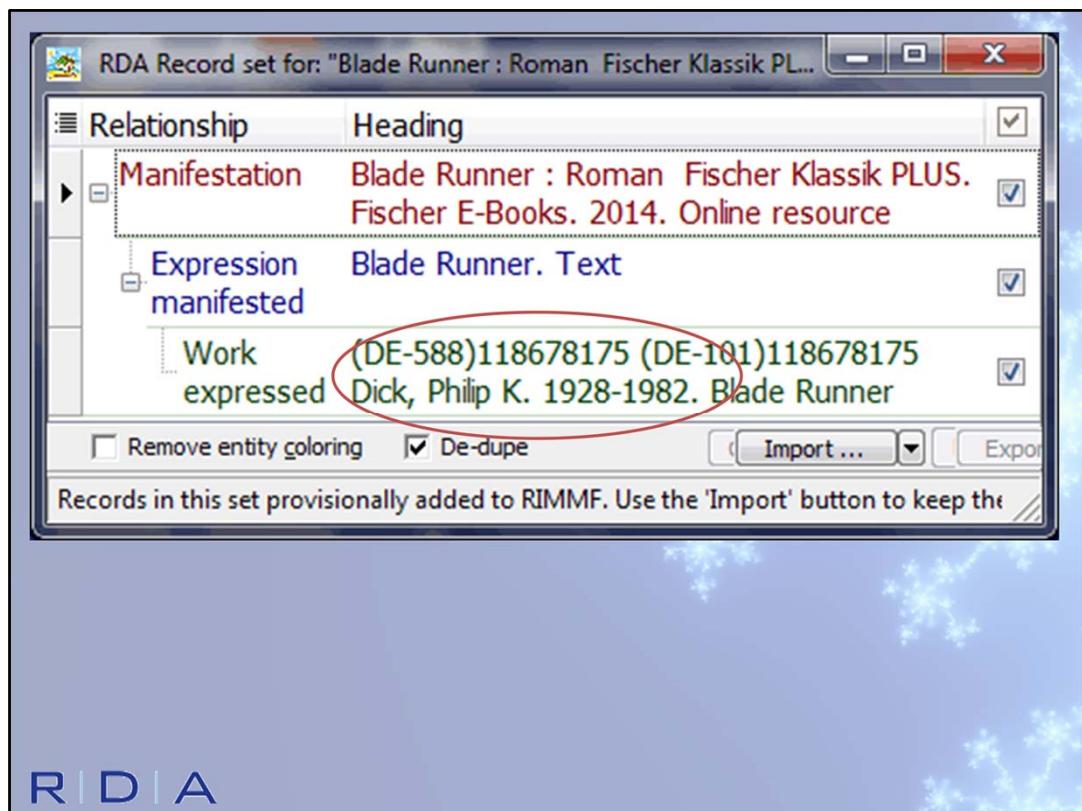
MARC Tools assumes the output file is in the same folder as the input file, and knows that it is a MARC (.mrc) file.

\* Now I can drag and drop the file onto RIMMF.



RIMMF3 has been updated and now allows drag and drop of the xml file type.

But MarcEdit can be used to convert other sources to MARC for loading into RIMMF.



RIMMF tells me it has created a set of 3 RDA entity records from the MARC21 record.

The set includes a Work-Expression-Manifestation (WEM) stack. Unlike before, there is no record for the Person with primary responsibility for the Work.

I note that the AAP for the Work starts with what looks like an identifier; maybe this is why RIMMF cannot find Philip K. Dick!

RIMMF has pre-selected all 3 records. That is good enough for me.

I use the import option to import all the selected records, etc. and open up the Manifestation record.

The screenshot shows the RIDIA software interface with a catalog record for 'Blade Runner'. The record is structured as follows:

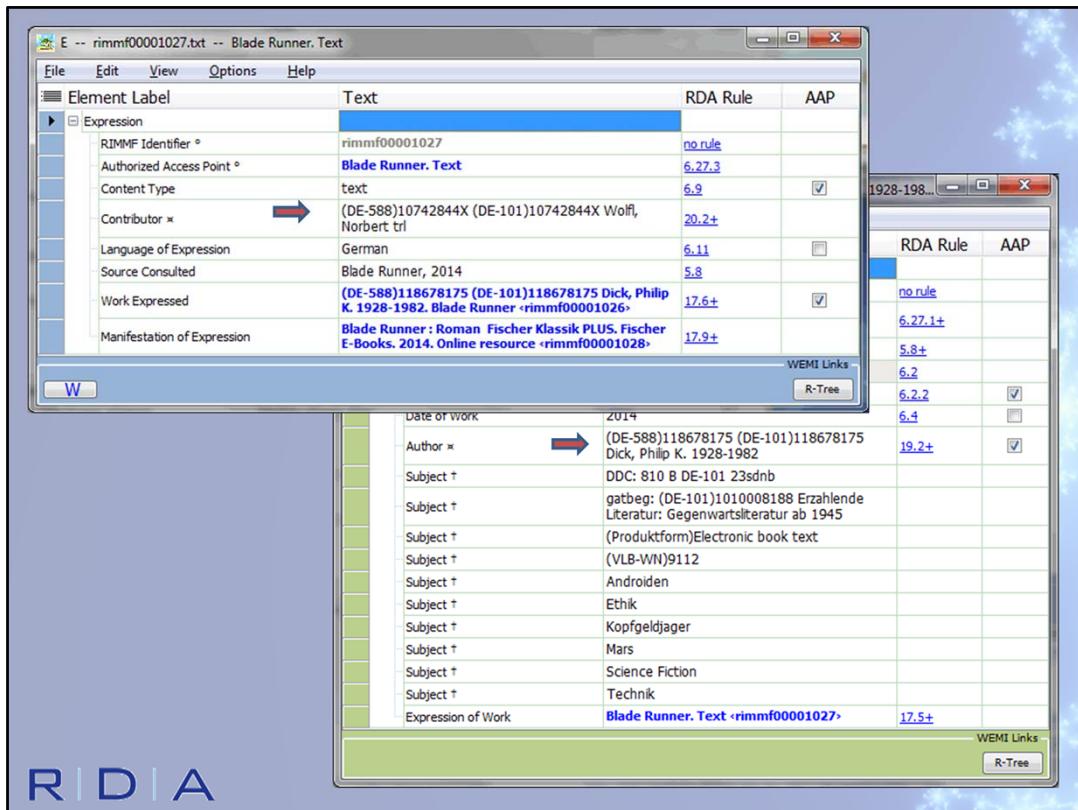
Element Label	Text	RDA Rule	AAP
Manifestation	rimmf00001028	<a href="#">no rule</a>	
Composite Key	Blade Runner : Roman Fischer Klassik PLUS. Fischer E-Books. 2014. Online resource		
Title		<a href="#">2.3</a>	
Title Proper	Blade Runner	<a href="#">2.3.2</a>	<input checked="" type="checkbox"/>
Other Title Information	Roman Fischer Klassik PLUS	<a href="#">2.3.4</a>	<input checked="" type="checkbox"/>
Statement of Responsibility		<a href="#">2.4</a>	
Statement of Responsibility Relating to Title Proper	Philip K. Dick	<a href="#">2.4.2</a>	
Edition Statement		<a href="#">2.5</a>	
Designation of Edition	1. Aufl	<a href="#">2.5.2</a>	<input type="checkbox"/>
Publication Statement		<a href="#">2.8</a>	
Place of Publication	Frankfurt am Main	<a href="#">2.8.2</a>	<input type="checkbox"/>
Publisher's Name	Fischer E-Books	<a href="#">2.8.4</a>	<input checked="" type="checkbox"/>
Date of Publication	2014	<a href="#">2.8.6</a>	<input checked="" type="checkbox"/>
Series Statement		<a href="#">2.12</a>	
Title Proper of Series	Fischer Klassik Plus	<a href="#">2.12.2</a>	<input type="checkbox"/>
Mode of Issuance	single unit	<a href="#">2.13</a>	<input type="checkbox"/>
Identifier for the Manifestation	ISBN 9783104027241	<a href="#">2.15</a>	
Note On Manifestation	Lizenpflichtig	<a href="#">2.17</a>	
Media Type	computer	<a href="#">3.2</a>	<input type="checkbox"/>
Carrier Type	online resource	<a href="#">3.3</a>	<input checked="" type="checkbox"/>
Extent statement †	Online-Resource	<a href="#">3.4</a>	<input type="checkbox"/>
Uniform Resource Locator	<a href="http://isbn-resolving.de/urn:nbn:de:101:1-2014090311563">http://isbn-resolving.de/urn:nbn:de:101:1-2014090311563</a>	<a href="#">4.6</a>	
Uniform Resource Locator	<a href="http://dnb.info/1057953342/34">http://dnb.info/1057953342/34</a>	<a href="#">4.6</a>	
Uniform Resource Locator	<a href="http://www.fischerverlage.de">http://www.fischerverlage.de</a>	<a href="#">4.6</a>	
Expression Manifested	Blade Runner. Text ·rimmf00001027·	<a href="#">17.1+</a>	

W E WEMI Links R-Tree

This looks fine, from what I can read in English.

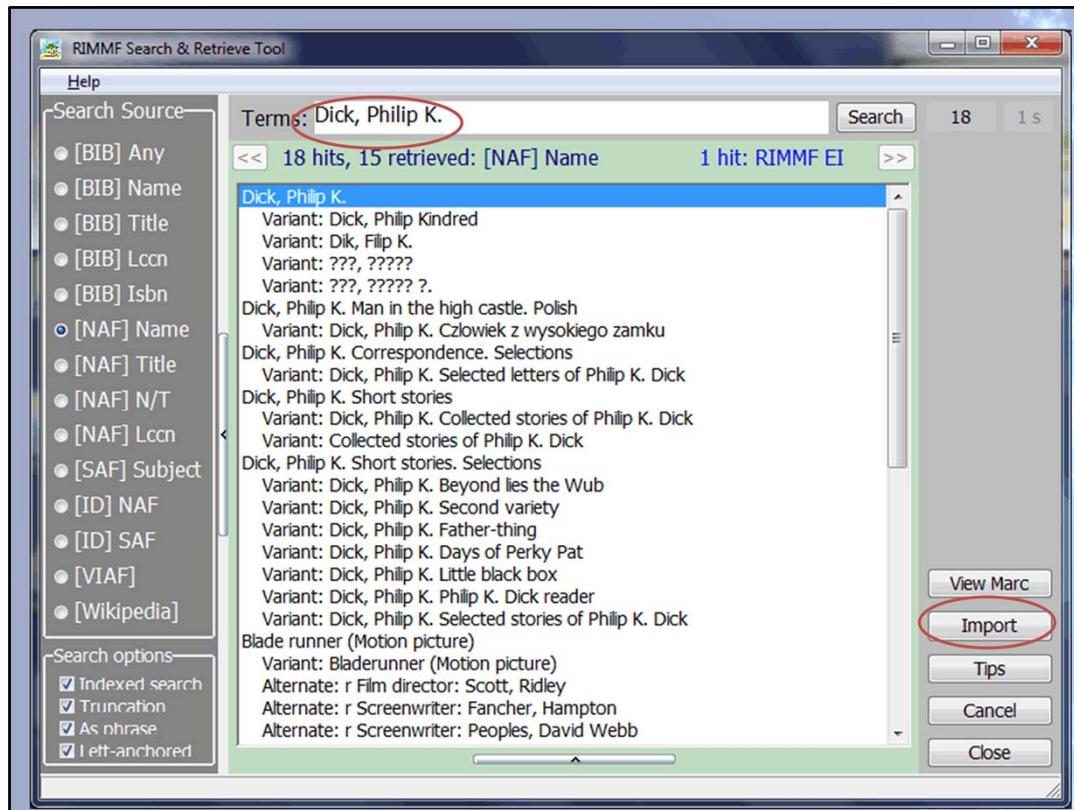
The Media Type and Carrier Type are correct.

- \* Other Title Information has a double space – not sure about that. “Roman” and the series title should perhaps be split between two repeats of the element.
- \* Google Translate outputs “Rights” for “Lizenpflichtig”. I guess this should be removed from Note on Manifestation: either discarded or moved to Restrictions on use.



I open the Expression and Work records. They are also basically correct.

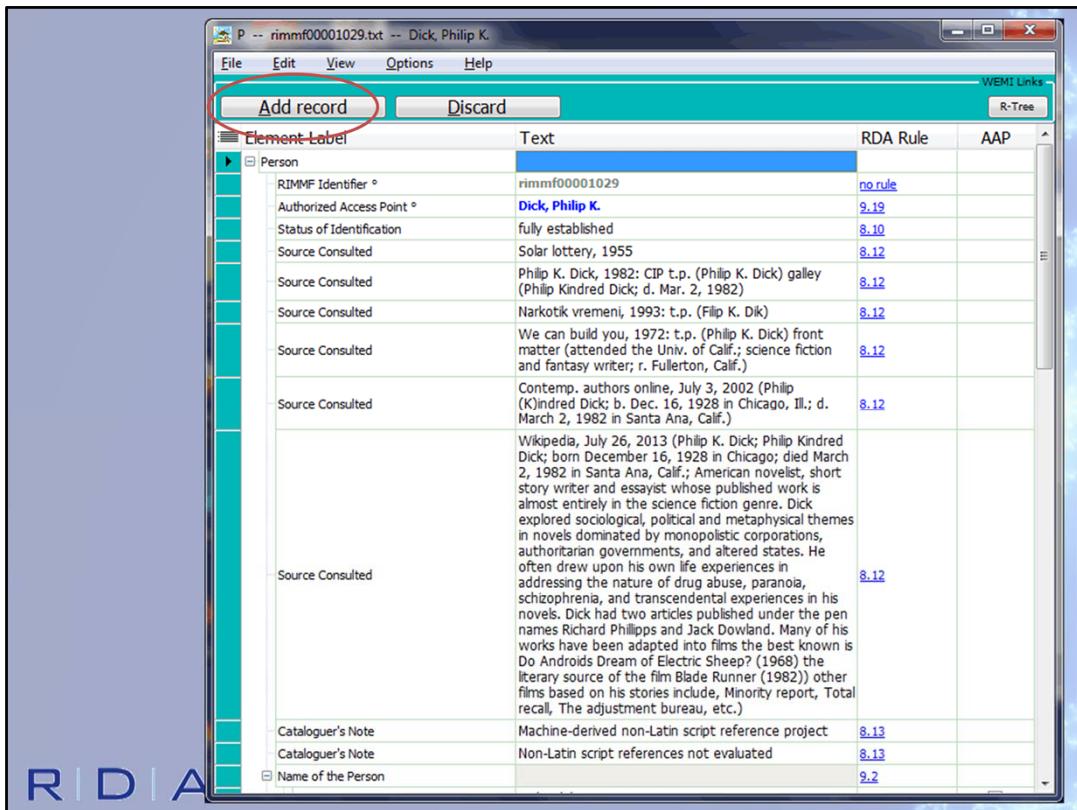
- \* The problem noted about the Work record can be seen more clearly. The Author data is a mix of identifier and name"
- \* The same problem is found in the Contributor element of the Expression record. It did not show up earlier because this element is not used as part of the AAP for an Expression.



I'm going to find Dick's Person record in the Name Authority File, using the Search and Retrieve option on the RIMMF Tools menu.

\* I copy and paste the inverted name from the Work record data. The correct record is the first hit.

\* I import it into RIMMF using the Import option.



The screenshot shows the RIMMF software interface with a Person record for Philip K. Dick. The 'Add record' button is circled in red.

Element-Label	Text	RDA Rule	AAP
RIMMF Identifier	rimmf00001029	<a href="#">no rule</a>	
Authorized Access Point	Dick, Philip K.	<a href="#">9.19</a>	
Status of Identification	fully established	<a href="#">8.10</a>	
Source Consulted	Solar lottery, 1955	<a href="#">8.12</a>	
Source Consulted	Philip K. Dick, 1982: CIP t.p. (Philip K. Dick) galley (Philip Kindred Dick; d. Mar. 2, 1982)	<a href="#">8.12</a>	
Source Consulted	Narkotik vremeni, 1993: t.p. (Philip K. Dick)	<a href="#">8.12</a>	
Source Consulted	We can build you, 1972: t.p. (Philip K. Dick) front matter (attended the Univ. of Calif.; science fiction and fantasy writer; r. Fullerton, Calif.)	<a href="#">8.12</a>	
Source Consulted	Contemp. authors online, July 3, 2002 (Philip Kindred Dick; b. Dec. 16, 1928 in Chicago, Ill.; d. March 2, 1982 in Santa Ana, Calif.)	<a href="#">8.12</a>	
Source Consulted	Wikipedia, July 26, 2013 (Philip K. Dick; Philip Kindred Dick; born December 16, 1928 in Chicago; died March 2, 1982 in Santa Ana, Calif.; American novelist, short story writer and essayist whose published work is almost entirely in the science fiction genre. Dick explored sociological, political and metaphysical themes in novels dominated by monopolistic corporations, authoritarian governments, and altered states. He often drew upon his own life experiences in addressing the nature of drug abuse, paranoia, schizophrenia, and transcendental experiences in his novels. Dick had two articles published under the pen names Richard Phillips and Jack Dowland. Many of his works have been adapted into films the best known is Do Androids Dream of Electric Sheep? (1968) the literary source of the film Blade Runner (1982)) other films based on his stories include, Minority report, Total recall, The adjustment bureau, etc.)	<a href="#">8.12</a>	
Cataloguer's Note	Machine-derived non-Latin script reference project	<a href="#">8.13</a>	
Cataloguer's Note	Non-Latin script references not evaluated	<a href="#">8.13</a>	
Name of the Person		<a href="#">9.2</a>	

The new Person record looks correct.

There are a couple of strange values towards the end of the record, consisting of strings of question marks. They can be removed later.

\* I add it to RIMMF using the Add record option.

RIMMF Entity Index (each document has one entry in this table) -- 8 entries.

Drag a column header here to group by that column

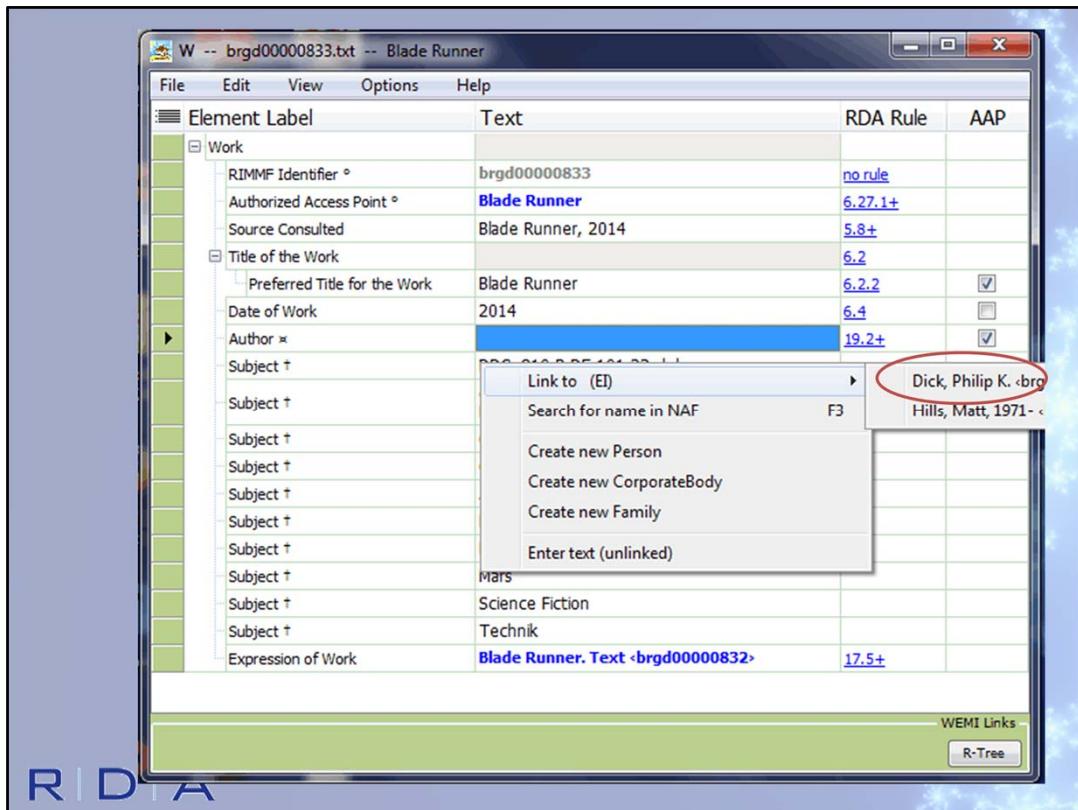
Composite Key	Entity	shorturi	Links	Date Mod
Blade runner. Wallflower Press. ©2011. Volume	Manifestation	brgd00000827	1	2014-11-14
Hills, Matt, 1971- Blade runner. Text	Expression	brgd00000828	2	2014-11-14
Hills, Matt, 1971- Blade runner	Work	brgd00000829	2	2014-11-14
Hills, Matt, 1971-	Person	brgd00000830	1	2014-11-14
Blade Runner : Roman Fischer Klassik PLUS. Fischer E-Books. 201	Manifestation	brgd00000831	1	2014-11-14
Blade Runner. Text	Expression	brgd00000832	2	2014-11-14
► (DE-588)118678175 (DE-101)118678175 Dick, Philip K. 1928-1982. B	Work	brgd00000833	1	2014-11-14
Dick, Philip K.	Person	brgd00000834	0	2014-11-14

Open selection ▾ Open in R-Tree Delete selection Enter search here

Work: brgd00000833.txt; Last modified on: 2014-11-14 15:45:40



Now I can go back to the Work record with the erroneous AAP.



RIMMF clears the value of the Author element when I start to edit it. Right-clicking brings up a menu allowing me to link the Work record to a Person, Family, or Corporate Body record already in the Entity Index.

\* There are two, and I choose the record for Dick.

When I save the Work record, RIMMF automatically updates the AAP of the Work record and cascades the change to the AAP for the Expression record.

The screenshot shows the RIMMF software interface. At the top, a window titled "W -- brgd00000835.txt -- Blade Runner (Motion picture : 1982)" displays a table of data. The table has columns for "Element Label", "Text", "RDA Rule", and "AAP". The data includes:

Element Label	Text	RDA Rule	AAP
Work			
RIMMF Identifier	brgd00000835	no rule	
Authorized Access Point	<b>Blade Runner (Motion picture : 1982)</b>	<a href="#">6.27.1+</a>	
Title of the Work		<a href="#">6.2</a>	
Preferred Title for the Work	Blade Runner	<a href="#">6.2.2</a>	<input checked="" type="checkbox"/>
Form of Work	Motion picture	<a href="#">6.3</a>	<input checked="" type="checkbox"/>
Date of Work	1982	<a href="#">6.4</a>	<input checked="" type="checkbox"/>
Described In (Work) ✎	<a href="#">Hills, Matt, 1971- Blade runner &lt;brgd00000829&gt;</a>	<a href="#">25.1+</a>	
Motion Picture Adaptation Of (Work) ✎	<a href="#">Dick, Philip K. Blade Runner &lt;brgd00000833&gt;</a>	<a href="#">25.1+</a>	

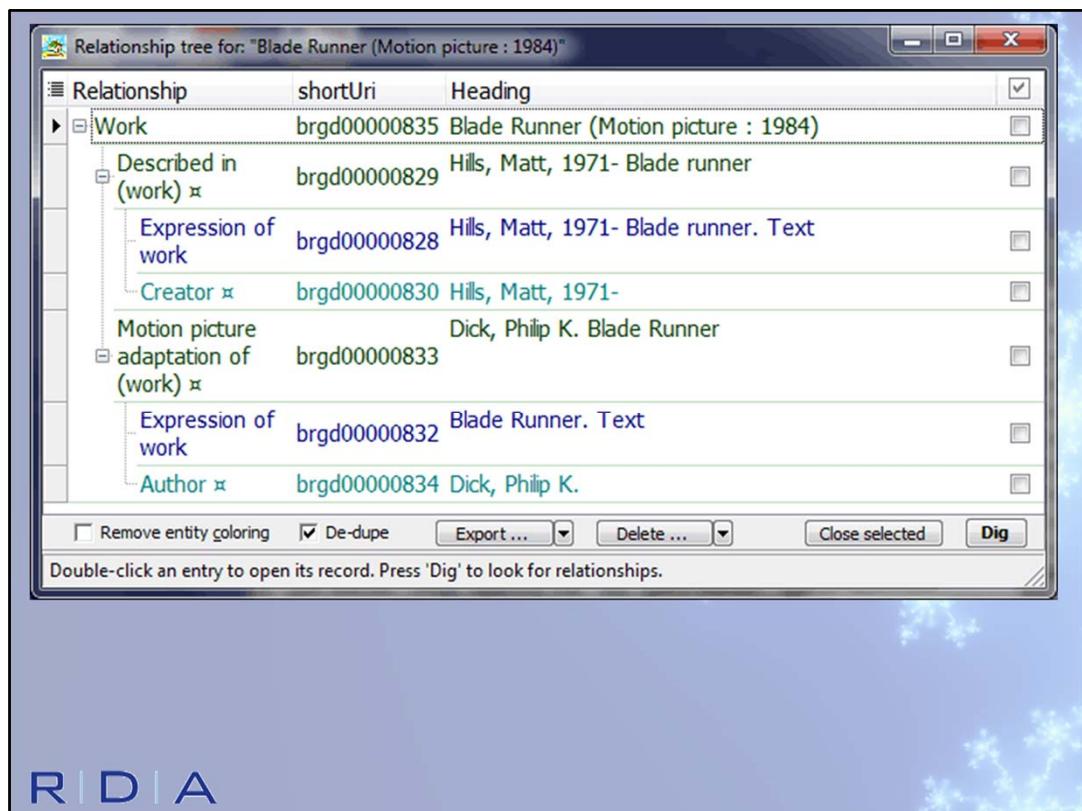
Below the table, there is a "WEMI Links" section with "Create account" and "Log in" buttons, and an "R-Tree" button. To the left of the main window, a sidebar for "WIKIPEDIA The Free Encyclopedia" shows links to Main page, Contents, Featured content, Current events, Random article, and Donate to Wikipedia. The main content area shows the Wikipedia page for "Blade Runner" with the following text:

**Blade Runner**  
 From Wikipedia, the free encyclopedia  
 (Redirected from [Blade runner](#))  
*This article is about the 1982 film. For other uses, see [Blade Runner \(disambiguation\)](#).*  
**Blade Runner** is a 1982 American neo-noir dystopian science fiction

Finally, I know I need a Work record for the motion picture so that I can link the two Works I have imported into RIMMF.

I create a new Work record from scratch, filling in just what I know or can easily verify in reference works.

- \* I check Wikipedia for the Date of Work ...
- \* I add a Related Work for the resource about the motion picture, linking directly using the Entity Index. Then I refine the relationship using a designator.
- \* I add another Related Work for the resource that the motion picture is adapted from, again using the Entity Index and a relationship designator.



The I display the R-Tree for the motion picture Work.

Everything is connected. I have created my first R-Ball!



After I recover from creating an R-Ball, I return to those lists of hits, and search other sources of MARC records, and other metadata about resources closely related to Blade Runner, the motion picture ...

- \* Graphic novel adaptations (in RDA Toolkit as of October 2014!)
- \* Sequels!
- \* More works about the motion picture, in many languages!
- \* Translations of the original novel! Compilations!
- \* Reprints!
- \* Different motion picture cuts!
- \* Soundtracks!

Maybe I should go and work through those great RIMMF3 tutorials and read the online documentation to make it better next time.

Gotta keep that r-ball rollin' ...