Getting Started with MarcEdit
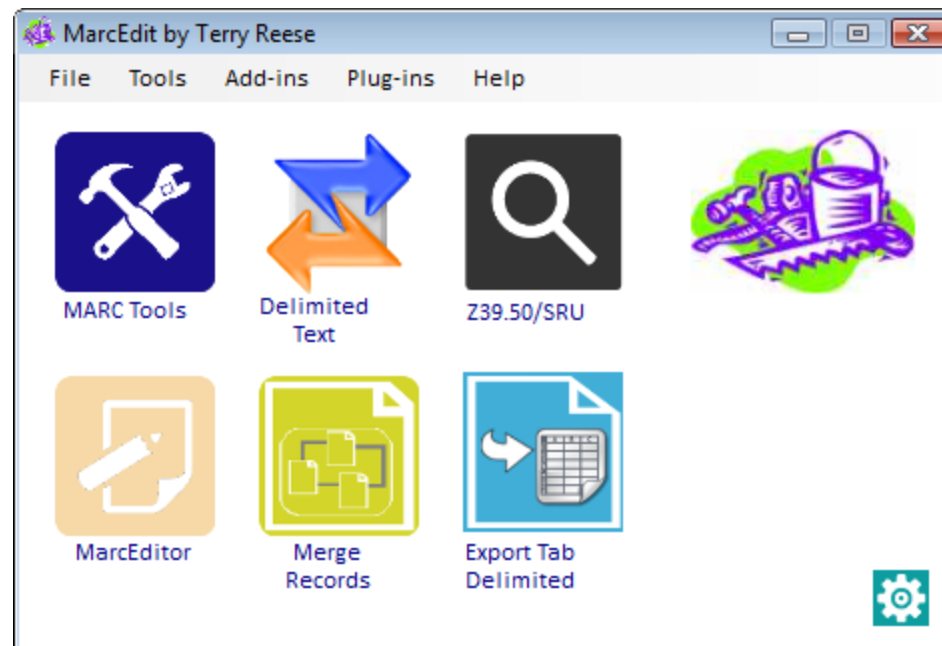
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Acquisitions and Discovery Enhancement,
MIT Libraries

Dumb questions about MarcEdit that you'd like to ask but won't because you're afraid if you did then people might think you're dumb.

Q:
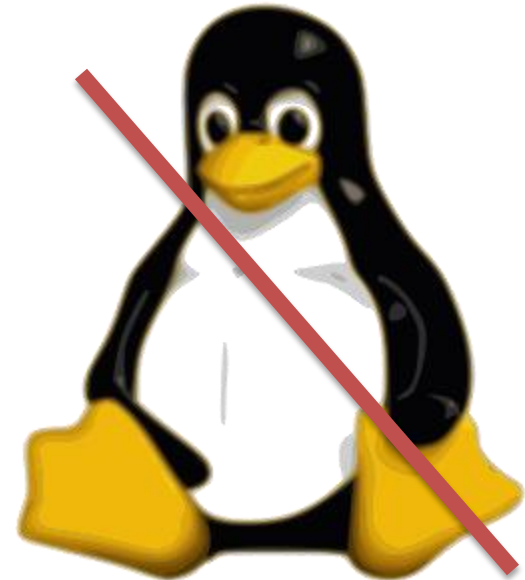# What is MARC Edit?

Q:
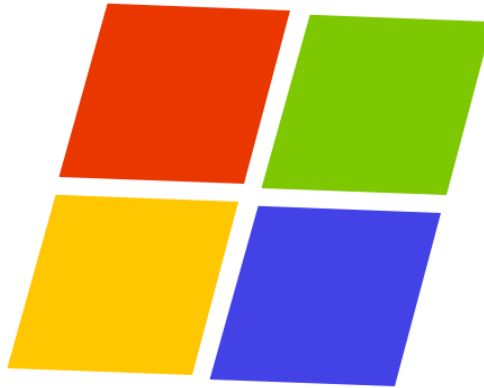# How much does MarcEdit cost?

Q: How do I get MarcEdit?

http://marcedit.reeset.net

Q: What platforms does MarcEdit run on?

Q: How will MarcEdit replace my existing cataloging tools?

Q: What are MarcEdit's basic functions?

1. <u>Acquire</u> metadata

 Z39.50/SRU Client

 Harvest OAI Records

 MARC SQL Explorer

Q: What are MarcEdit's basic functions?

2. <u>Import</u> MARC (and other) metadata and convert it into plain text
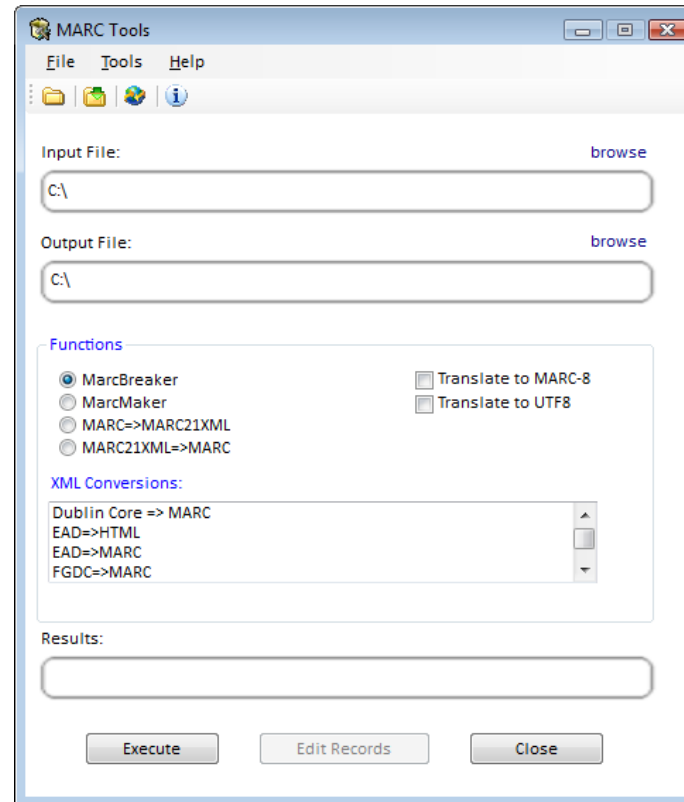

MarcBreaker

Converts raw MARC (*.mrc) files to editable plain-text format (*.mrk).

<u>MARC ←→ XML</u>

Converts raw MARC (*.mrc) to MARC21XML (*.xml).

MARC Tools

File   Tools   Help

Input File: browse

C:\

Output File: browse

C:\

Functions
- ● MarcBreaker   ☐ Translate to MARC-8
- ○ MarcMaker   ☐ Translate to UTF8
- ○ MARC=>MARC21XML
- ○ MARC21XML=>MARC

XML Conversions:

Dublin Core => MARC
EAD=>HTML
EAD=>MARC
FGDC=>MARC

Results:

Execute   Edit Records   Close

Delimited Text Translator

Import comma- or tab-delimited text (from a spreadsheet, for example)

Q: What are MarcEdit's basic functions?

3. <u>Edit</u> MARC metadata as plain text
in a text editor that has MARC-specific tools.


```
MarcEditor: m_postmerge.mrk
File   Edit   Fonts   Reports   Tools   Plug-ins   Help

=LDR  05594cam  2200565Ki 4500
=005  20131018101403.0
=006  m\\\\\\\\d\\\\\\\\
=007  cr
=008  120705s2013\\\\mauaf\\\\b\\\\001\0\eng\\
=020  \\$a9780262312974 (ebk. : Cognet)
=020  \\$z9780262018555 (hardcover : alk. paper)
=020  \\$z0262018551 (hardcover : alk. paper)
=040  \\$erda
=050  14$aBF503$b.A28 2013
=082  04$a153$223
=245  00$aAction science :$bfoundations of an emerging discipline /$cedited by Wolfgang Prinz, Miriam Beisert, and Arv
=264  \1$aCambridge, Mass. :$bMIT Press,$cc2013.
=300  \\$a1 online resource (xi, 450 pages, 5 unnumbered pages of plates) :illustrations (some color)
=336  \\$atext$btxt$2rdacontent
=337  \\$aunmediated$bn$2rdamedia
=338  \\$aonline resource$bcr$2rdacarrier
=504  \\$aIncludes bibliographical references and index.
=505  0\$aAcknowledgments -- Contributors -- Action science emerging : introduction and leitmotifs / Arvid Herwig, Mir
=520  \\$aThe emerging field of action science is characterized by a diversity of theoretical and methodological appro
=588  \\$aDescription based on print version record.
=650  \0$aMotivation (Psychology)
=650  \0$aCognitive psychology.
=700  1\$aPrinz, Wolfgang,$d1942-
=700  1\$aBeisert, Miriam,$d1980-
=700  1\$aHerwig, Arvid,$d1979-
=776  08$iPrint version: $tAction science.$dCambridge, Mass. : MIT Press, [2013]$w(DLC)  2012024586$w(OCoLC)798437851
```

Q: What are MarcEdit's basic functions?

4. <u>Export</u> plain text as MARC (and other metadata schemes)

Export into tab- or comma-delimited (for spreadsheets)
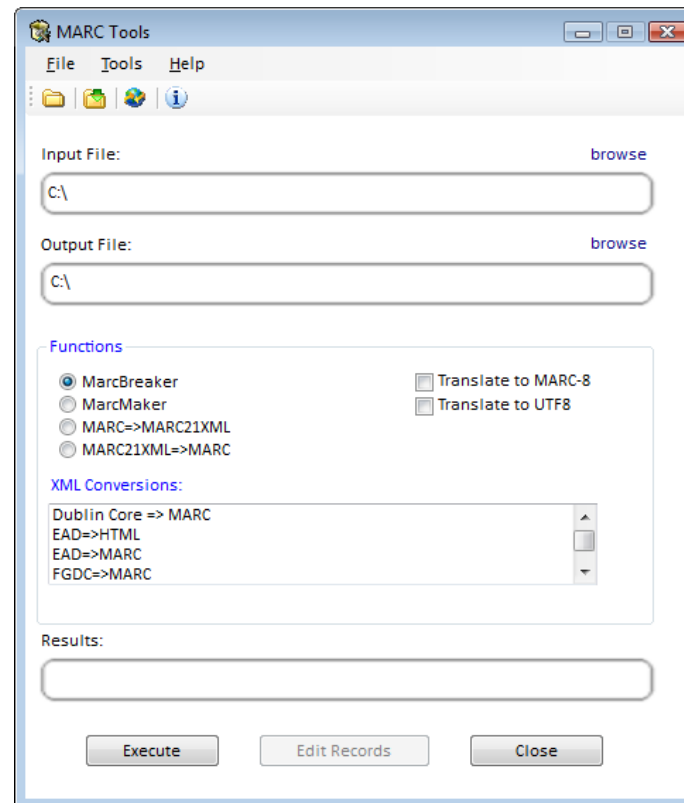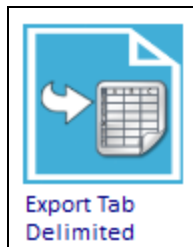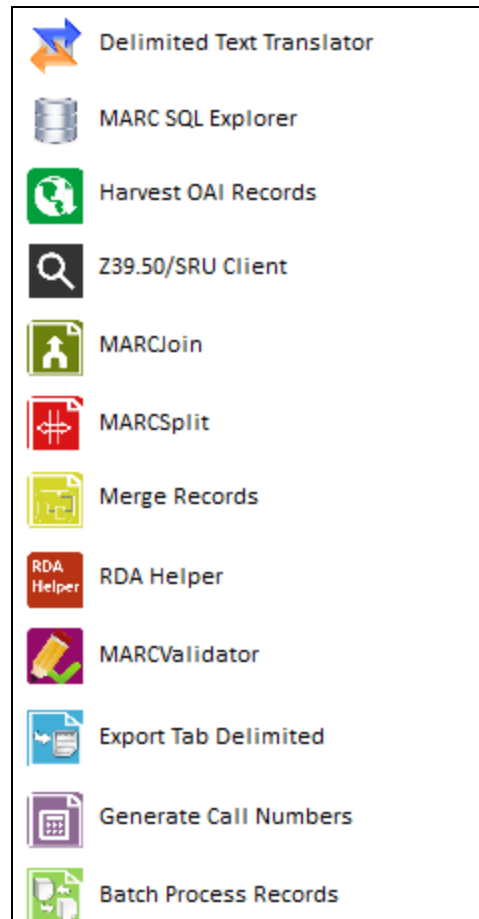

<u>MarcMaker</u>

Converts edited plain-text back into raw MARC.

<u>Other XML</u>
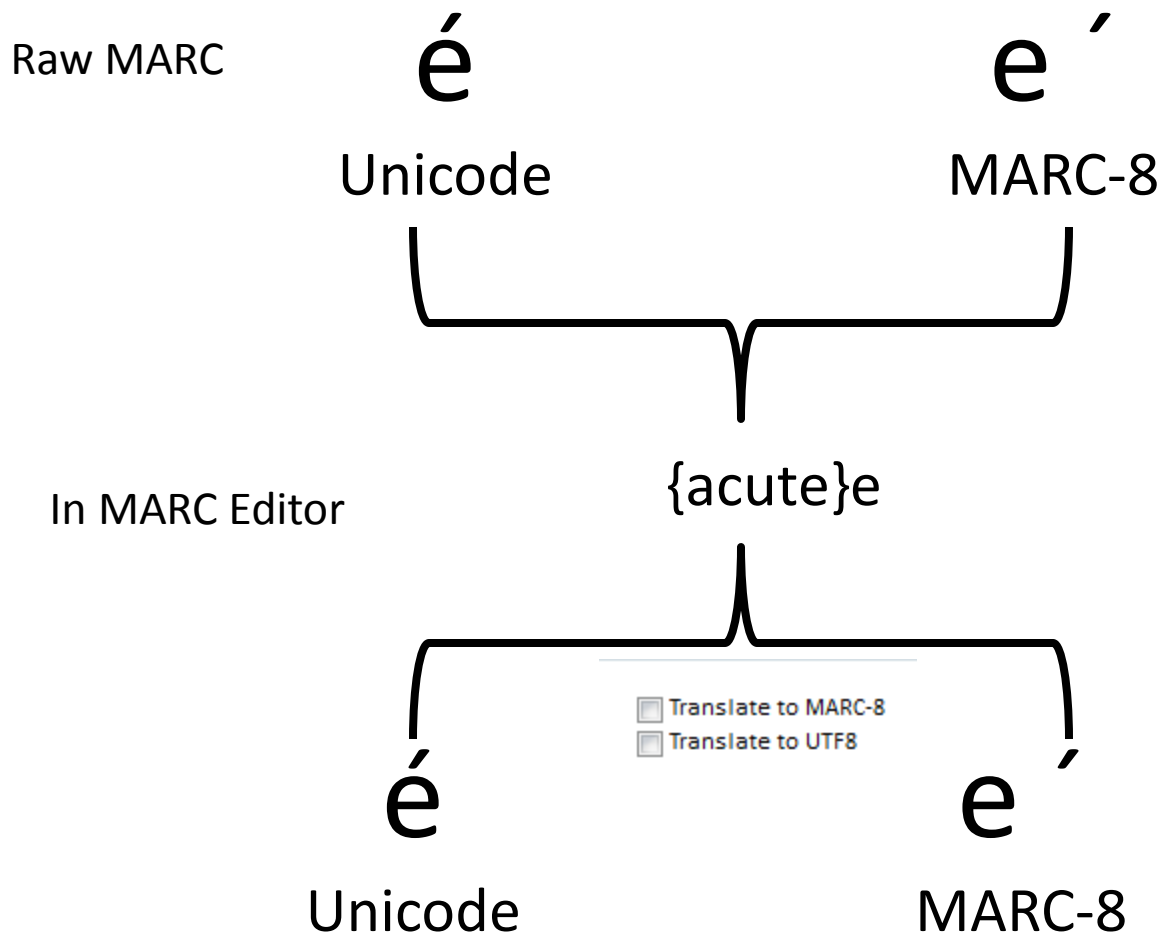
Converts MARC21XML to other XML format (EAD, DC, etc.)

Q: What are MarcEdit's basic functions?

5. <u>A bunch</u> of other useful stuff

Q: Does MarcEdit work with MARC-8, with Unicode, or both?

Raw MARC

é   e ´

Unicode   MARC-8

In MARC Editor

{acute}e

☐ Translate to MARC-8
☐ Translate to UTF8

é   e ´

Unicode   MARC-8

Q: Can MARC Edit be used on non-MARC metadata?
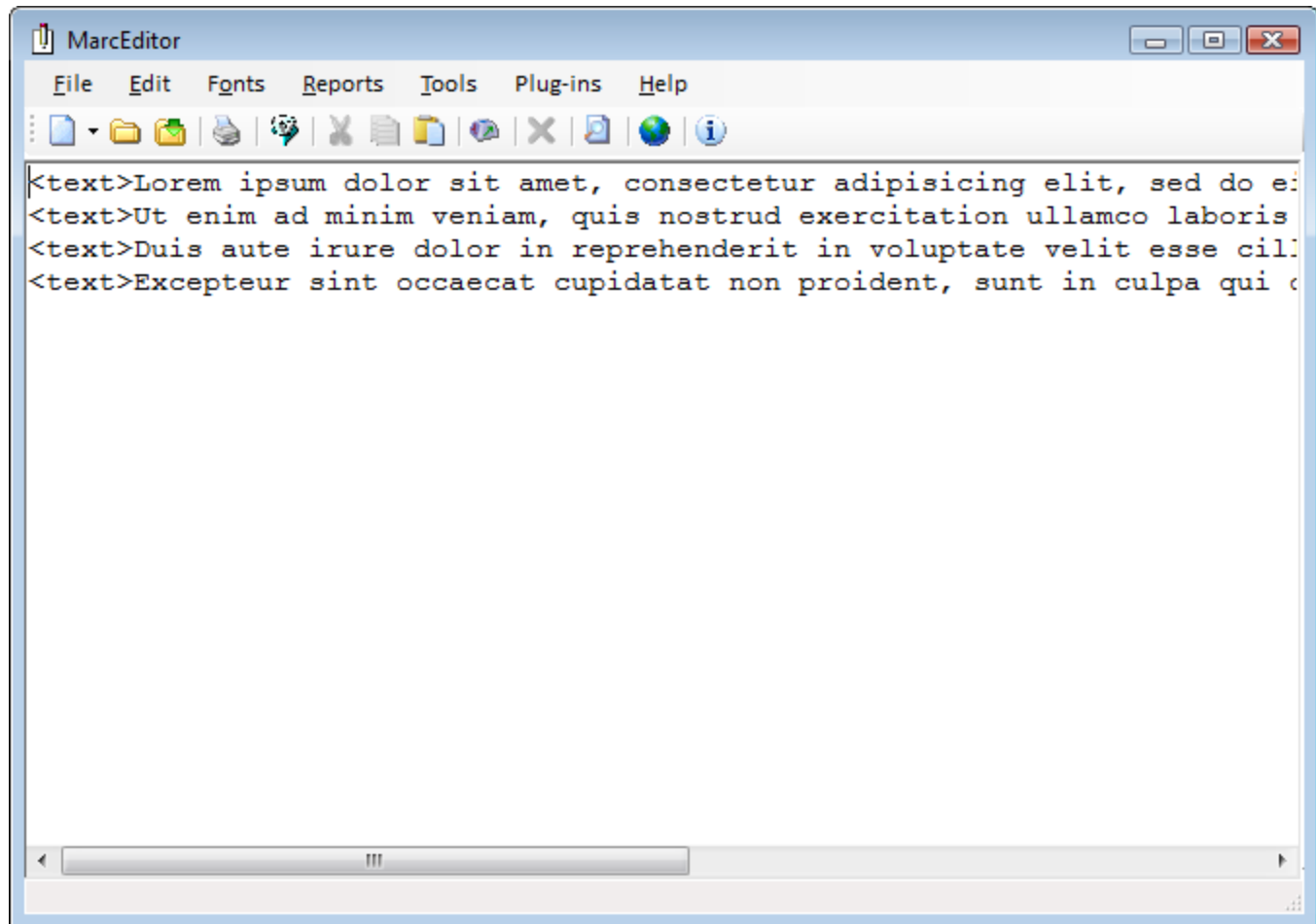
Q: What kind of support is available for people learning to use MarcEdit?

MarcEdit email list:
MARCEDIT-L@metis3.gmu.edu

To subscribe, send to the email address above a message with the text in the <u>body</u> (not the subject line):

 SUBSCRIBE MARCEDIT-L

MarcEdit wiki:
http://marcedit.reeset.net/wiki/

Part Two

A closer look at the MARC Editor: "Itirative" editing tools

(MARC) Tools of the Trade

1. Adding/deleting entire fields

(MARC) Tools of the Trade

2. Copying entire fields

(MARC) Tools of the Trade

3. Adding/deleting/modifying subfields

(MARC) Tools of the Trade

4. "Swapping" subfield data

(MARC) Tools of the Trade

5. RegEx find and replace
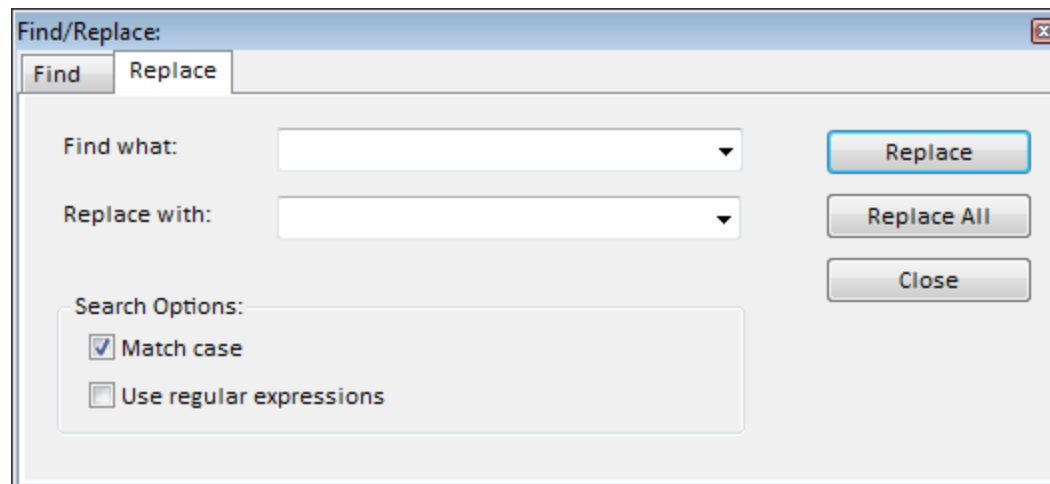
An example of using MarcEdit to complete a painful project, less painfully…

The project:

- Provide records for MIT Press e-books
- Already cataloged as print
- Convert AACR2 to RDA (when necessary)

Publisher-supplied
metadata (pub list)

Provided as spreadsheet, including title,
publication date, and ISBNs (for print
and electronic).

Wants to supply MARC records for
online version in both MARC-8 and UTF.

MARC records
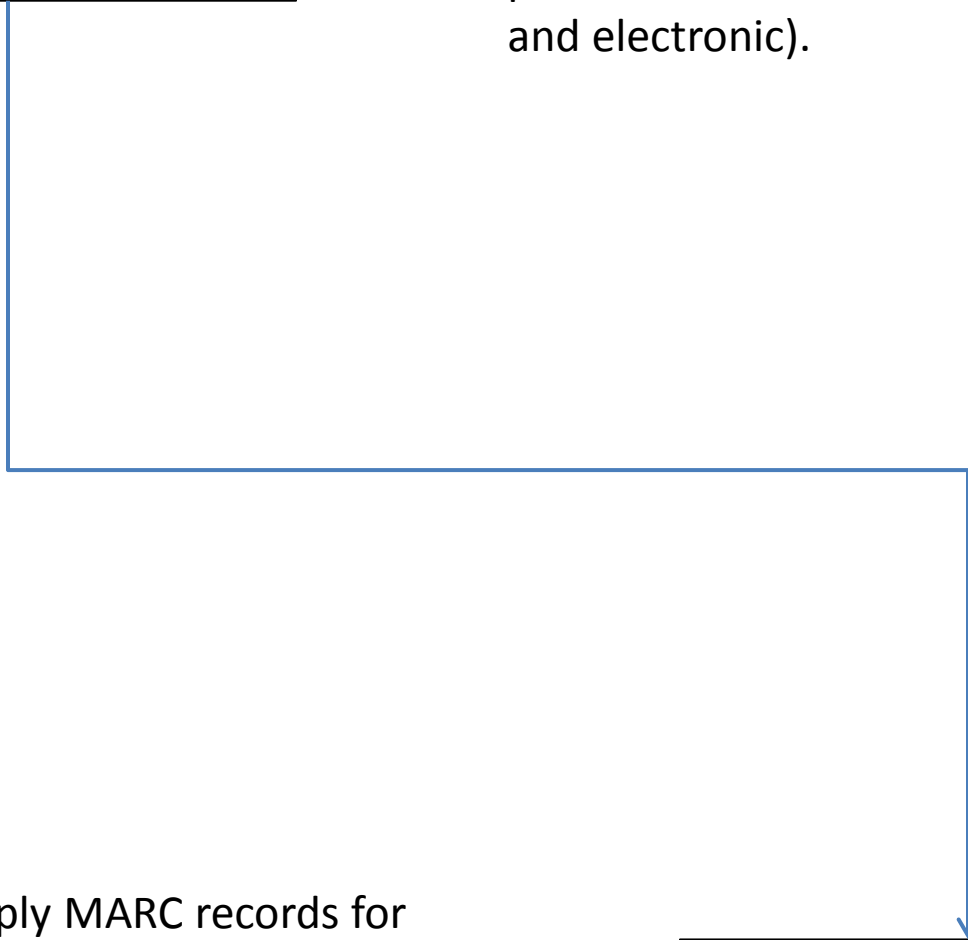
```
┌─────────────────────────┐
│   Publisher-supplied    │          Use MarcEdit's Z39.50 client to search
│   metadata (pub list)   │          OCLC (or LC, etc.) for existing records.
└─────────────────────────┘
            │
┌─────────────────────────┐          As a match-point, use publisher-
│  Search for existing MARC │         supplied ISBNs.
│         records         │
└─────────────────────────┘          Easiest to find all relevant records then
            │                        "winnow out" bad records.
            └──────────────────────────┐
                                       │
                                       ▼
                          ┌─────────────────────────┐
                          │       MARC records      │
                          └─────────────────────────┘
```
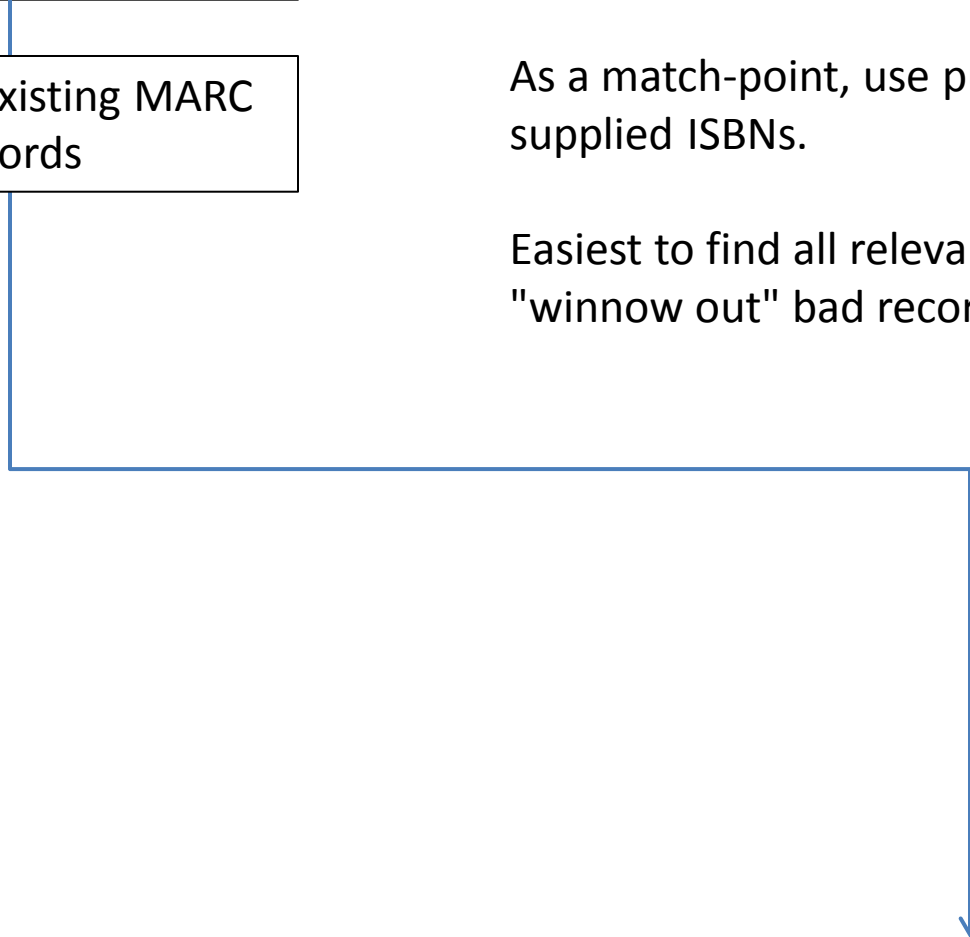
Z39.50 client in "Batch mode"
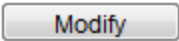
Publisher-supplied metadata (pub list)

Search for existing MARC records

Winnow out "bad" MARC records

Using MARC Edit's "Export tab-delimited" tool, import selected field values into a spreadsheet.

Useful data:

       Encoding level (LDR/17)
       Form of item ff (006/06)
       PCC/LC (042 $a)
       Title (245 $a)
       Edition (250 $a)

       Pub. date (260 $c)

Remember also always to include the system number (e.g. OCLC number 035 $a) as a unique identifier for each record!

MARC records

Exporting tab-delimited

```
┌─────────────────────────┐          Now import the tab-delimited file into a
│   Publisher-supplied    │          spreadsheet. Sorting and filtering the data
│   metadata (pub list)   │          will enable you to see what kind of records
└───────────┬─────────────┘          exist for each title.
            │
┌───────────┴─────────────┐          You can then go about easily selecting the
│  Search for existing MARC│         best records to use as a basis from which to
│         records          │         derive new records.
└───────────┬─────────────┘
            │
┌───────────┴─────────────┐
│  Winnow out "bad" MARC   │
│         records          │
└───────────┬─────────────┘
            │
            └──────────────────────────────────────────────┐
                                                            │
Once you've identified the records you want to              │
keep, you can requery OCLC (etc.) by the                    │
system numbers of the "keepers" only.                       │
                                                            ▼
                                          ┌───────────────────────────┐
                                          │       MARC records        │
                                          └───────────────────────────┘
```
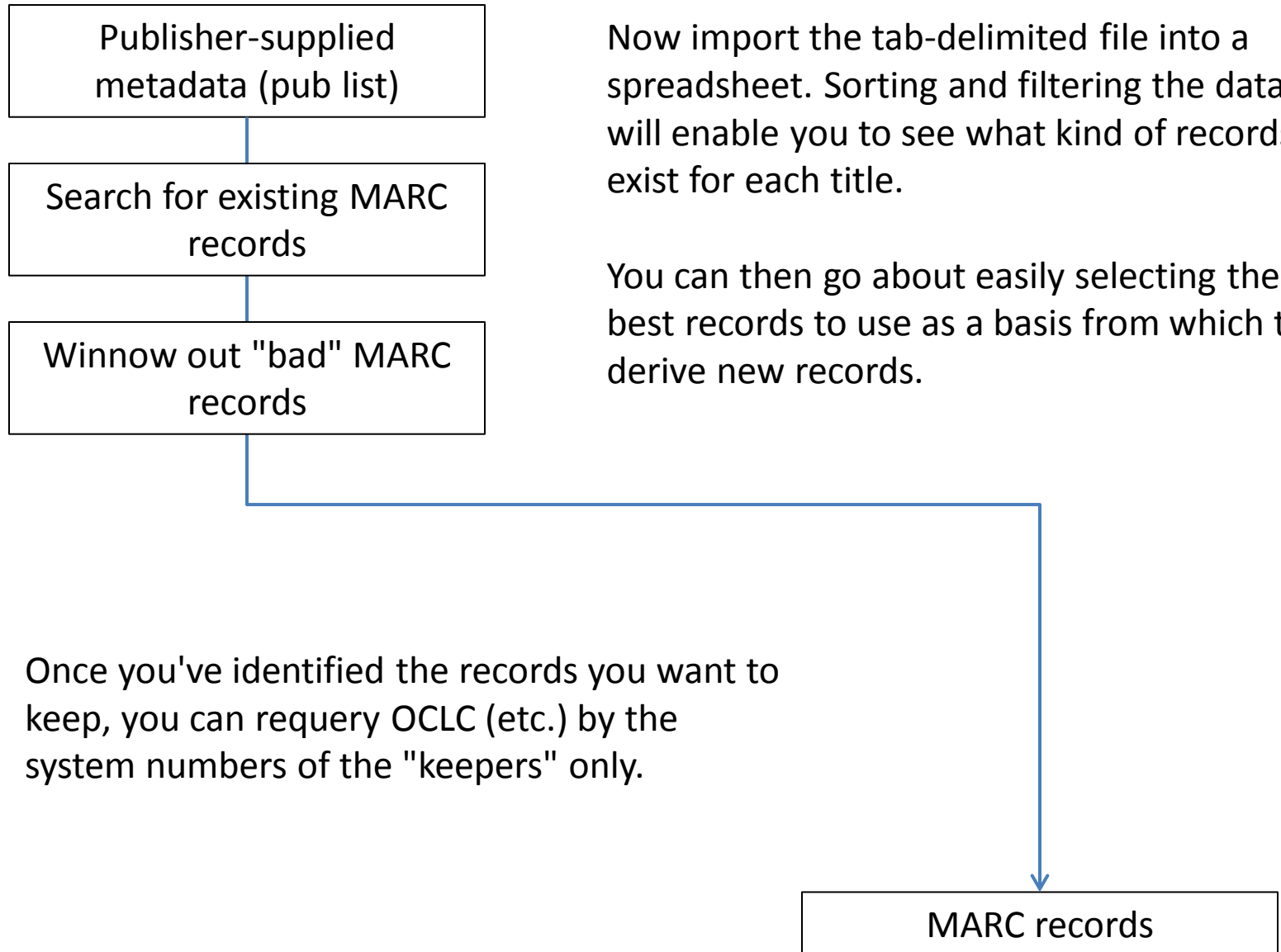
Using a spreadsheet to identify the best records

	A	B	C	D	E	F	G	W	X	Y	
1	STATUS	010$a	035$a	000$07	000$17	000$18	006$06	040$e	042$a	TITLE S	245$a
2	X	2012024586	(OCoLC)798437851	m	[b]	a			pcc	action	Action science :
3		2012024586	(OCoLC)802177846	m	M	[b]				action	Action science :
4		2012024586	(OCoLC)840771634	m	M	[b]				action	Action science :
5			(OCoLC)844730215	m	M	i		fobidrtb		action	Action science :
6			(OCoLC)848906493	m	M	[b]				action	ACTION SCIENCE :
7	X	2012028611	(OCoLC)800447819	m	[b]	a			pcc	birdso	Birdsong, speech, and
8		2012028611	(OCoLC)844037685	m	M	i		aacr		birdso	Birdsong, speech, and
9			(OCoLC)847066017	m	M	u		rakwb		birdso	Birdsong, Speech, and
10			(OCoLC)857650715	m	M	i		rda		birdso	Birdsong, speech, and
11			(OCoLC)841483232	m	M	a				birdso	Birdsong, Speech, and
12	X	2012008689	(OCoLC)778857695	m	[b]	a			pcc	borges	Borges and memory :
13		2012008689	(OCoLC)824359520	m	M	i		fobidrtb		borges	Borges and memory :
14			(OCoLC)847099696	m	M	u		rakwb		borges	Borges and memory :
15			(OCoLC)815782100	m	M	a				borges	Borges and Memory :
16	X	2012004935	(OCoLC)775271669	m	[b]	a			pcc	brain a	Brain and the gaze :
17			(OCoLC)860703643	m	M	[b]	\			brain a	Brain and the gaze :
18		2012004935	(OCoLC)812579141	m	M	i		fobidrtb		brain a	Brain and the gaze :
19			(OCoLC)815952771	m	M	i				brain a	Brain and the gaze :

```
┌─────────────────────────┐        Convert the MARC records to MarcEdit
│   Publisher-supplied    │        format and open it with the editor.
│   metadata (pub list)   │
└───────────┬─────────────┘
            │
┌───────────┴─────────────┐        Use the "Add/Remove Fields" to remove
│  Search for existing MARC│       junk fields.
│         records          │
└───────────┬─────────────┘
            │
┌───────────┴─────────────┐        You can remove a range of fields by just
│  Winnow out "bad" MARC   │       inserting the first digit in the "Find" box.
│         records          │
└───────────┬─────────────┘
            │
┌───────────┴─────────────┐
│  Remove non-relevant     │
│  MARC data (9xx, etc.)   │
└──────────────────────────┘
```

Publisher-supplied metadata (pub list)

Search for existing MARC records

Winnow out "bad" MARC records

Remove non-relevant MARC data (9xx, etc.)

Convert the MARC records to MarcEdit format and open it with the editor.

Use the "Add/Remove Fields" to remove junk fields.

You can remove a range of fields by just inserting the first digit in the "Find" box.

MARC records
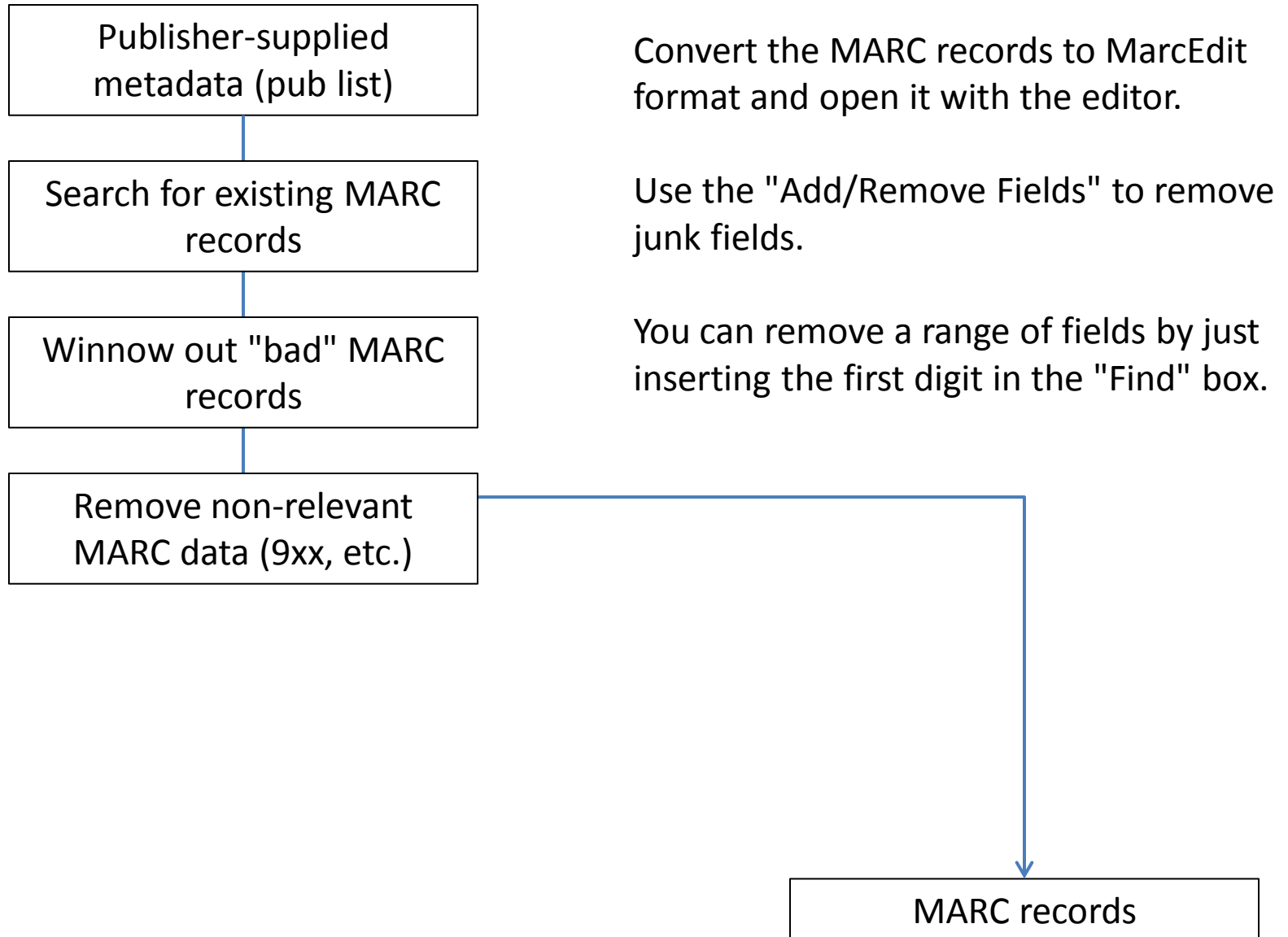
Removing junk fields

```
=300    \\$ax, 345 p. :$bill. ;$c23 cm.
=504    \\$aIncludes bibliographical references and indexes.
=505    0\$aIntroduction to ecopsychology: science, totems, and the technological species / Peter
=650    \0$aNature$xPsychological aspects.
=650    \0$aEnvironmental psychology.
```

```
=300    \\$axi, 450 p., [5] p. of plates :$bill. (some col.) ;$c24 cm.
=504    \\$aIncludes bibliographical references and index.
=505    0\$aAcknowledgments -- Contributors -- Action science emerging : introduction and
=520    \\$aThe emerging field of action science is characterized by a diversity of theor
=650    \0$aMotivation (Psychology)
=650    \0$aCognitive psychology.
=650    \7$aCognitive psychology.$2fast$0(OCoLC)fst00866541
=650    \7$aMotivation (Psychology)$2fast$0(OCoLC)fst01027516
=700    1\$aPrinz, Wolfgang,$d1942-
=700    1\$aBeisert, Miriam,$d1980-
=700    1\$aHerwig, Arvid,$d1979-
=776    1\$cElectronic resource$z9780262312967
=856    41$uhttp://mitpress-ebooks.mit.edu/product/action-science
=029    1\$aAU@$b000049587713
=029    1\$aNZ1$b14796917
```

```
=932    \\     Remove using batch list
=029    1\$aAU@$b000048629014
=029    1\$aNLM$b101600491
=029    1\$aNZ1$b14788745
=994    \\$aZ0$bMYG
=948    \\$hHELD BY MYG - 237 OTHER HOLDINGS
```

```
┌─────────────────────────┐          You can save the file in MarcEdit format
│  Publisher-supplied     │          then use the "RDA Helper" tool to
│  metadata (pub list)    │          perform various basic AACR2-RDA
└───────────┬─────────────┘          conversions.
            │
┌───────────┴─────────────┐          There is also a tool in the MARC Editor
│  Search for existing MARC│          which will do it on the fly.
│  records                │
└───────────┬─────────────┘
            │
┌───────────┴─────────────┐
│  Winnow out "bad" MARC  │
│  records                │
└───────────┬─────────────┘
            │
┌───────────┴─────────────┐      ┌─────────────────────────┐
│  Remove non-relevant    ├──────┤    Convert to RDA       │
│  MARC data (9xx, etc.)  │      └───────────┬─────────────┘
└─────────────────────────┘                  │
                                             │
  NOTE the "RDA Helper" only does basic       │
  RDA conversions like updating fixed fields, │
  spelling out abbreviations and adding 33x   │
  fields.                                      │
                                             │
                                             ▼
  Depending on how correct you need the    ┌─────────────────────────┐
  records to be you may still need to look │    MARC records         │
  at them individually to find errors.     └─────────────────────────┘
```

```
┌─────────────────────────┐        Here we get down into the nitty-gritty
│  Publisher-supplied     │        of the editor.  Converting print to e
│  metadata (pub list)    │        requires several changes:
└───────────┬─────────────┘
            │                      --changing appropriate fixed fields
┌───────────┴─────────────┐        --adding 007's
│  Search for existing    │        --updating 300 $a
│  MARC records           │        --adding URLs if necessary
└───────────┬─────────────┘        --adding 776 that references print
            │                      version record
┌───────────┴─────────────┐
│  Select best existing   │
│  MARC records           │
└───────────┬─────────────┘
            │
┌───────────┴─────────────┐        ┌─────────────────────┐
│  Remove non-relevant    ├────────┤  Convert to RDA     │
│  MARC data (9xx, etc.)  │        └──────────┬──────────┘
└─────────────────────────┘                   │
                                   ┌──────────┴──────────┐
These changes can be               │  Convert from record for │
implemented using a                │  print manifestation to  │
combination of MARC tools          │  record for online       │
and Regex find-replace.            │  manifestation           │
                                   └──────────┬──────────┘
                                              │
                                   ┌──────────┴──────────┐
                                   │   MARC records      │
                                   └─────────────────────┘
```

Finished* Product

```
=LDR  05594cam  2200565 i 4500
=001  ocn798437851
=003  OCoLC
=005  20131018101403.0
=006  c\\\\\\\d\\\\\\\
=007  cr\\\\\
=008  120705s2013\\\\mauaf\\\\b\\\\001\0\eng\\
=020  \\$z9780262018555 (hardcover : alk. paper)
=020  \\$z0262018551 (hardcover : alk. paper)
=040  \\$erda
=050  14$aBF503$b.A28 2013
=082  04$a153$223
=245  00$aAction science :$bfoundations of an emerging discipline /$cedited by Wolfgang Prinz, Miriam Beisert, and Arv
=264  \1$aCambridge, Mass. :$bMIT Press,$c[2013]
=264  \4$a©2013
=300  \\$a1 online resource (xi, 450 pages, 5 unnumbered pages of plates) :$billustrations (some color)
=336  \\$atext$btxt$2rdacontent
=337  \\$aunmediated$bn$2rdamedia
=338  \\$aonline resource$bcr$2rdacarrier
=504  \\$aIncludes bibliographical references and index.
=505  0\$aAcknowledgments -- Contributors -- Action science emerging : introduction and leitmotifs / Arvid Herwig, Mir
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=650  \0$aCognitive psychology.
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=700  1\$aBeisert, Miriam,$d1980-
=700  1\$aHerwig, Arvid,$d1979-
=776  08$iPrint version: $tAction science.$dCambridge, Mass. : MIT Press, [2013]$w(DLC)  2012024586$w(OCoLC)798437851
=856  40$uhttp://cognet.mit.edu/book-detail/9780262312974$zMITCogNet
```

* As all catalogers know a record is never really finished.

Thanks for your attention…
any questions?