3 October 2017
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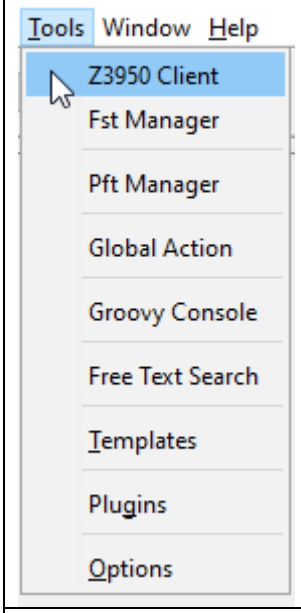
Step by Step Instructions for Retrieving MARC21 or UNIMARC Format Bibliographic Records from Z39.50 Servers and Importing them to J-ISIS

J-ISIS 22 September 2017
(https://github.com/J-ISIS/J-ISIS/releases/download/v1.2.2/jisis_suite.22.September.2017.zip **)**

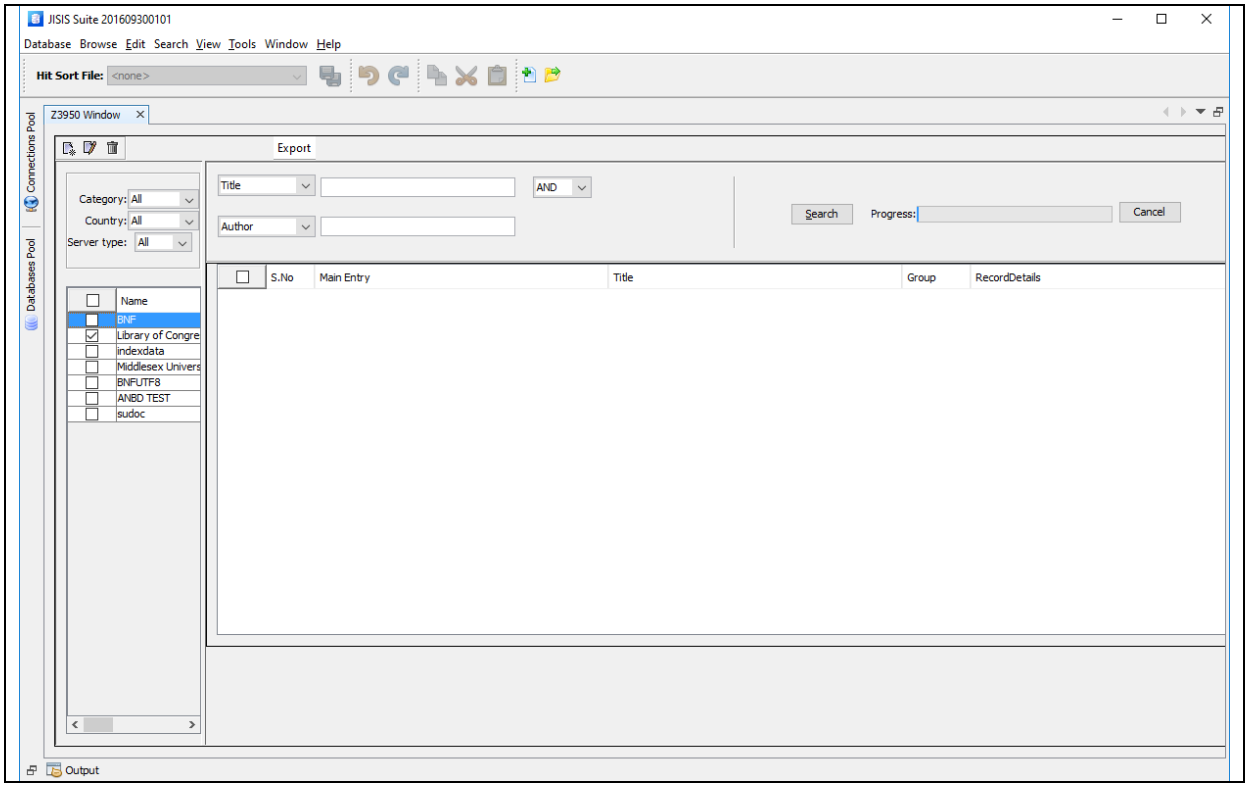
A search query on "*Germinal*" as {**Title**} and on "*Zola*" as {**Author**} will be made to demonstrate J-ISIS Z3950 client capabilities for retrieving MARC format bibliographic records from Z39.50 servers and importing them to J-ISIS. The search will be done on Z39.50 servers from the American Library of Congress and the French BNF ("Bibliothèque Nationale de France").

1. Retrieving MARC Format Bibliographic Records from Library of Congress

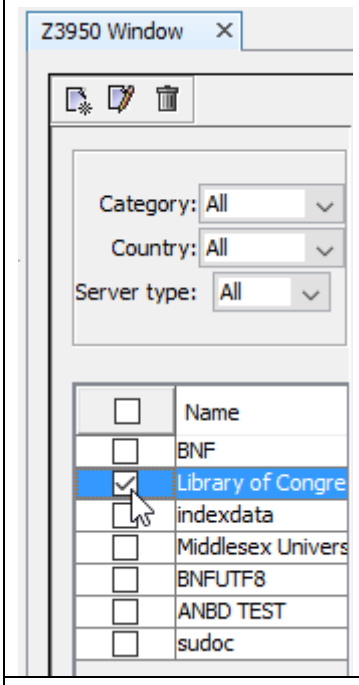
Choose {**Tools ⇒Z3950 Client**} and a window will open enclosing two separate vertical panels



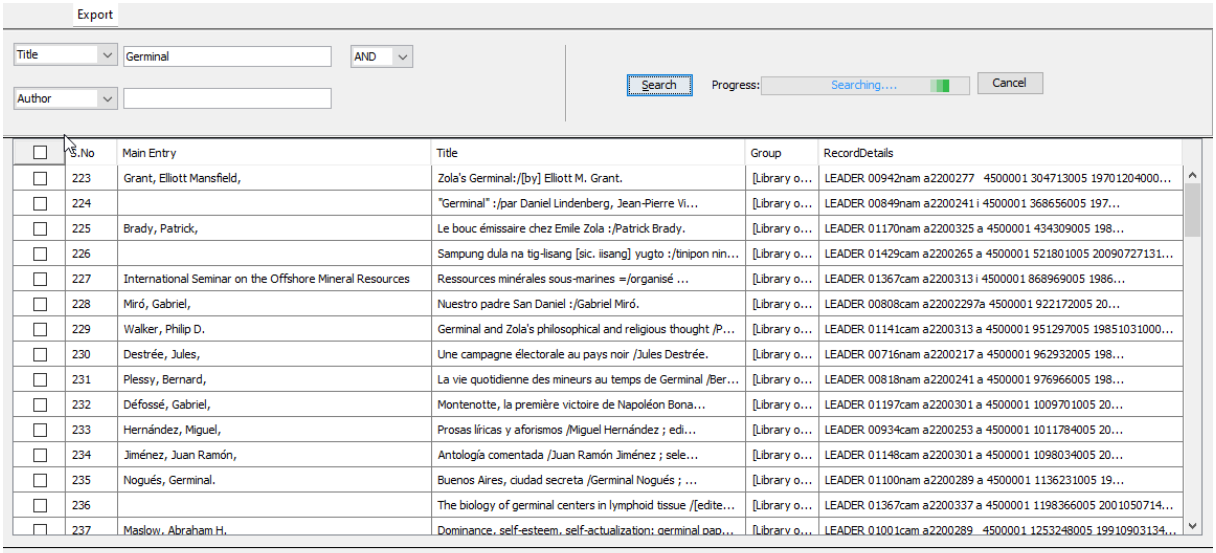
The left panel is for editing and selecting the Z39.50 servers on which the search will be done and the right panel is for specifying the search query and displaying the results.


JISIS Suite 201609300101
Database Browse Edit Search View Tools Window Help
Hit Sort File: <none>
Z3950 Window
Export
Connections Pool
Databases Pool
Category: All
Country: All
Server type: All
Name
BNF
Library of Congre
indexdata
Middlesex Univers
BNFUTF8
ANBD TEST
sudoc
Title
AND
Author
Search
Progress:
Cancel
S.No
Main Entry
Title
Group
RecordDetails
Output

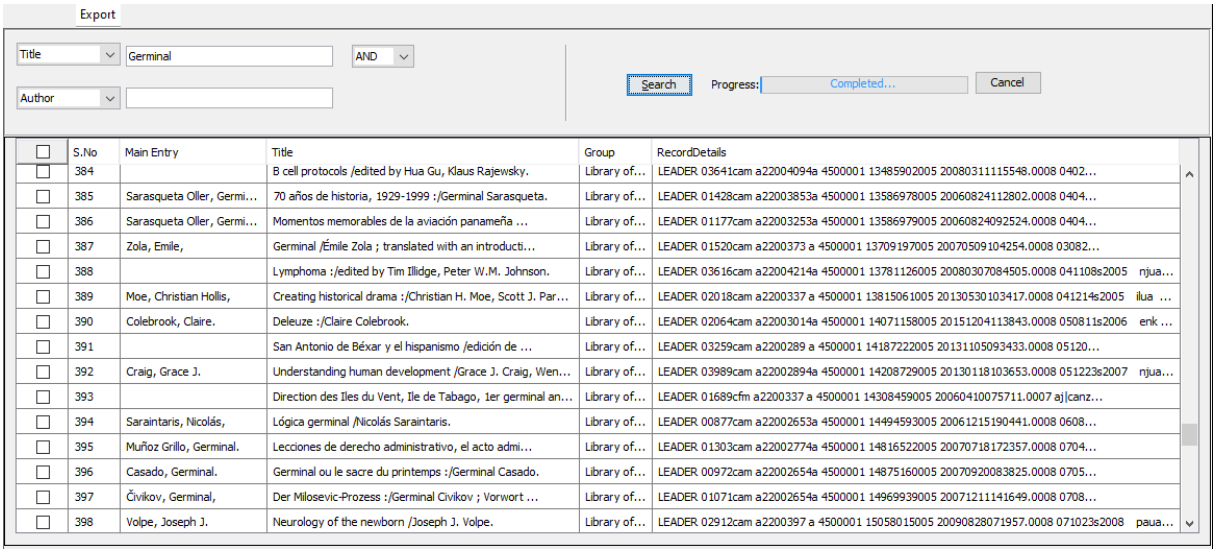
There are some Z39.50 servers which are already defined such as the Library of Congress and the French BNF. We click on the checkbox associated to {**Library of Congress**} to select it and we uncheck any other selected items.



We enter ***Germinal*** in the {**Title**} field and click on {**Search**}. The progress bar displays {**Searching...**} and is changing regularly. After a couple of seconds, the first results are displayed as below:

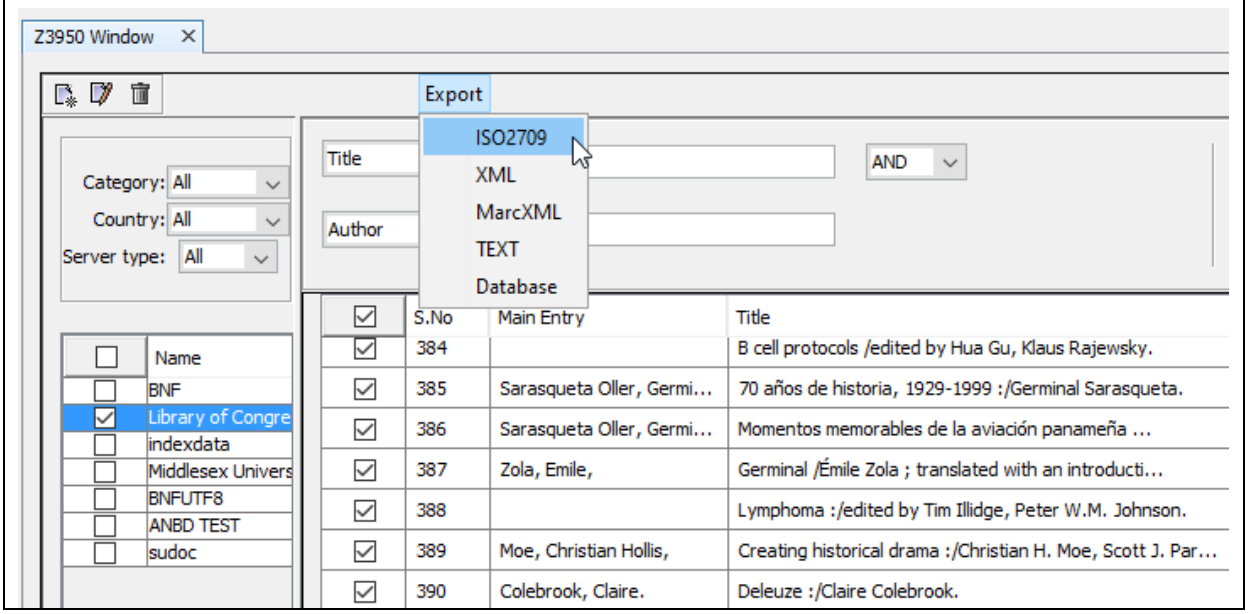


The Progress bar displays {**Completed...}** when the search is terminated. Individual records can be selected by checking the associated checkbox, but we want to export all records retrieved. Checking the top left corner checkbox will check all the retrieved records as below:

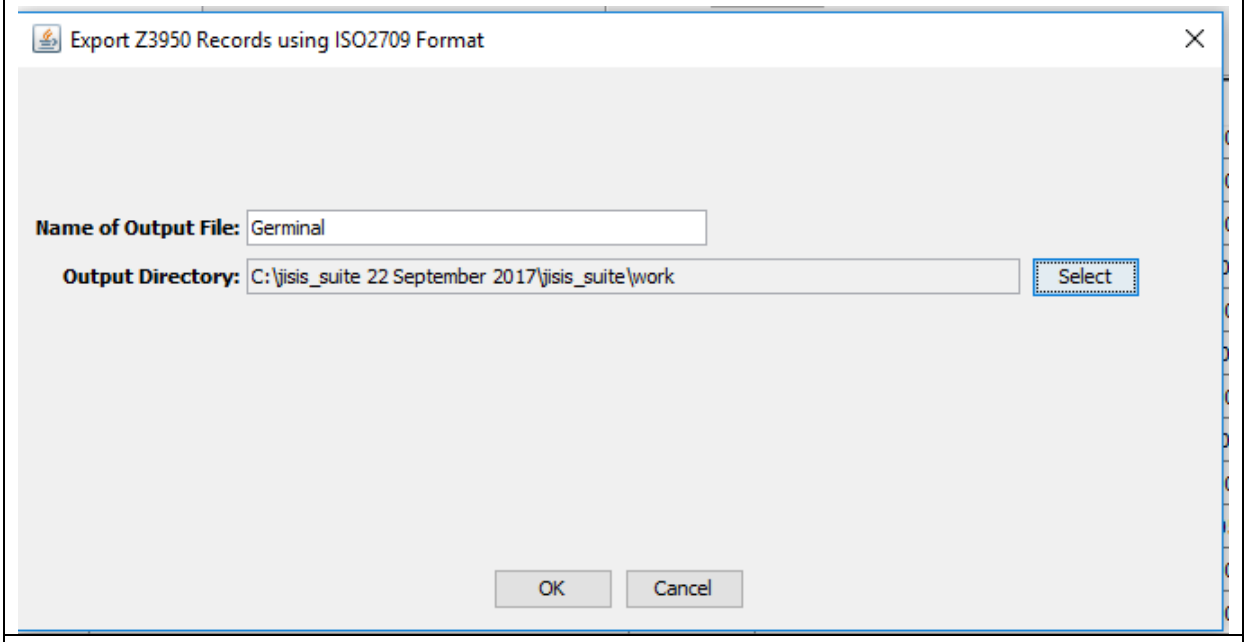


	S.No	Main Entry	Title	Group	RecordDetails
	384		B cell protocols /edited by Hua Gu, Klaus Rajewsky.	Library of...	LEADER 03641cam a22004094a 4500001 13485902005 20080311115548.0008 0402...
	385	Sarasqueta Oller, Germi...	70 años de historia, 1929-1999 :/Germinal Sarasqueta.	Library of...	LEADER 01428cam a22003853a 4500001 13586978005 20060824112802.0008 0404...
	386	Sarasqueta Oller, Germi...	Momentos memorables de la aviación panameña ...	Library of...	LEADER 01177cam a22003253a 4500001 13586979005 20060824092524.0008 0404...
	387	Zola, Emile,	Germinal /Émile Zola ; translated with an introducti...	Library of...	LEADER 01520cam a2200373 a 4500001 13709197005 20070509104254.0008 03082...
	388		Lymphoma :/edited by Tim Illidge, Peter W.M. Johnson.	Library of...	LEADER 03616cam a22004214a 4500001 13781126005 20080307084505.0008 041108s2005 njua...
	389	Moe, Christian Hollis,	Creating historical drama :/Christian H. Moe, Scott J. Par...	Library of...	LEADER 02018cam a2200337 a 4500001 13815061005 20130530103417.0008 041214s2005 ilua ...
	390	Colebrook, Claire.	Deleuze :/Claire Colebrook.	Library of...	LEADER 02064cam a22003014a 4500001 14071158005 20151204113843.0008 050811s2006 enk ...
	391		San Antonio de Béxar y el hispanismo /edición de ...	Library of...	LEADER 03259cam a2200289 a 4500001 14187222005 20131105093433.0008 05120...
	392	Craig, Grace J.	Understanding human development /Grace J. Craig, Wen...	Library of...	LEADER 03989cam a22002894a 4500001 14208729005 20130118103653.0008 051223s2007 njua...
	393		Direction des Iles du Vent, Ile de Tabago, 1er germinal an...	Library of...	LEADER 01689cfm a2200337 a 4500001 14308459005 20060410075711.0007 aj|canz...
	394	Saraintaris, Nicolás,	Lógica germinal /Nicolás Saraintaris.	Library of...	LEADER 00877cam a22002653a 4500001 14494593005 20061215190441.0008 0608...
	395	Muñoz Grillo, Germinal.	Lecciones de derecho administrativo, el acto admi...	Library of...	LEADER 01303cam a22002774a 4500001 14816522005 20070718172357.0008 0704...
	396	Casado, Germinal.	Germinal ou le sacre du printemps :/Germinal Casado.	Library of...	LEADER 00972cam a22002654a 4500001 14875160005 20070920083825.0008 0705...
	397	Čivikov, Germinal,	Der Milosevic-Prozess :/Germinal Civikov ; Vorwort ...	Library of...	LEADER 01071cam a22002654a 4500001 14969939005 20071211141649.0008 0708...
	398	Volpe, Joseph J.	Neurology of the newborn /Joseph J. Volpe.	Library of...	LEADER 02912cam a2200397 a 4500001 15058015005 20090828071957.0008 071023s2008 paua...

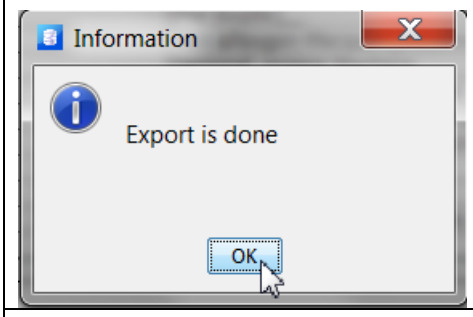
Choose {**Export ⇒ ISO2709**} to export the MARC formatted records.



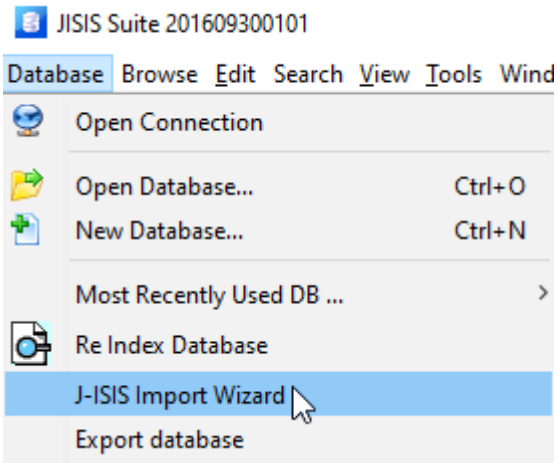
A dialog box will appear as below. Enter the name of output ISO file and select the directory where the file (with extension *.iso* will be saved.



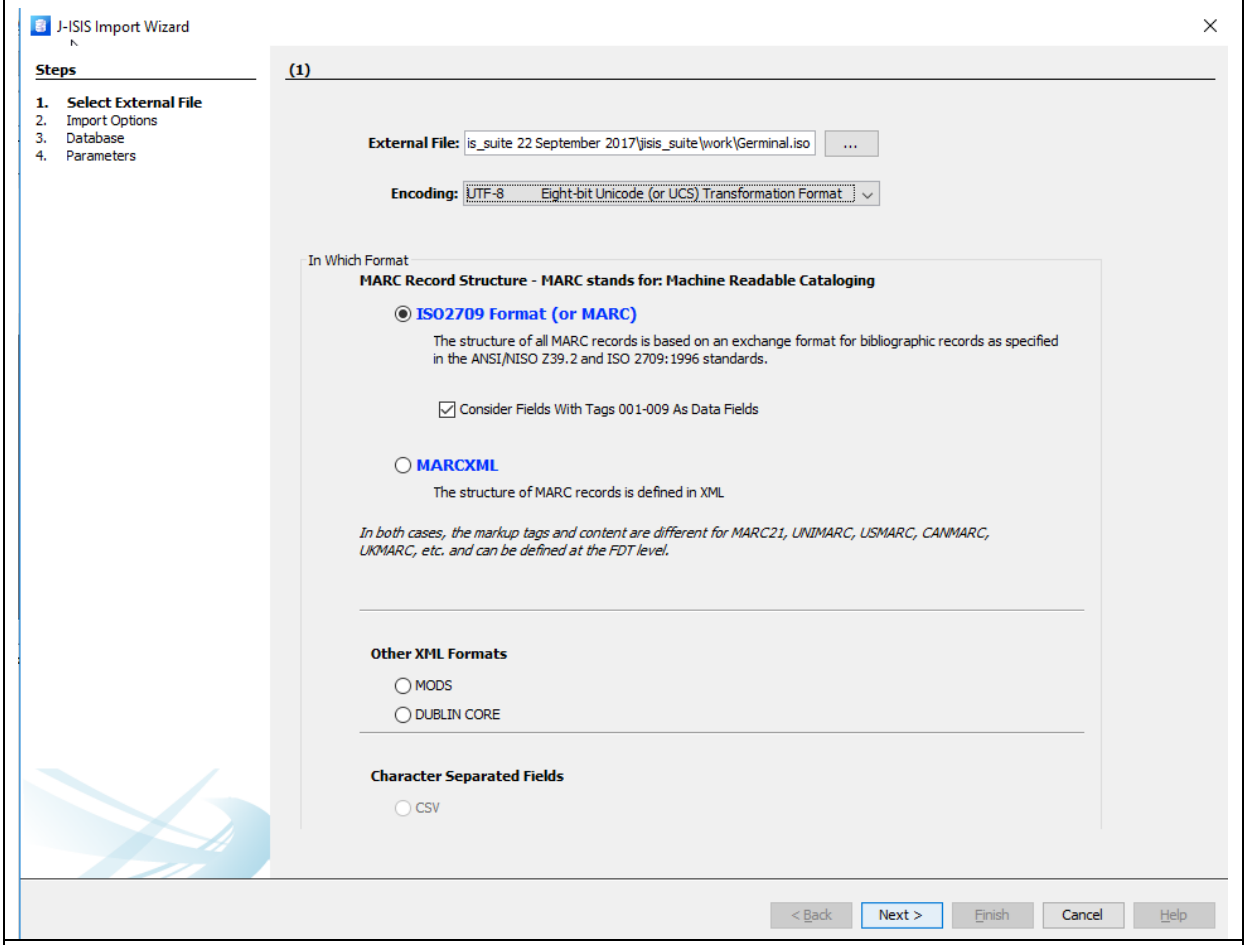
A dialog box will appear as below when exporting is completed.



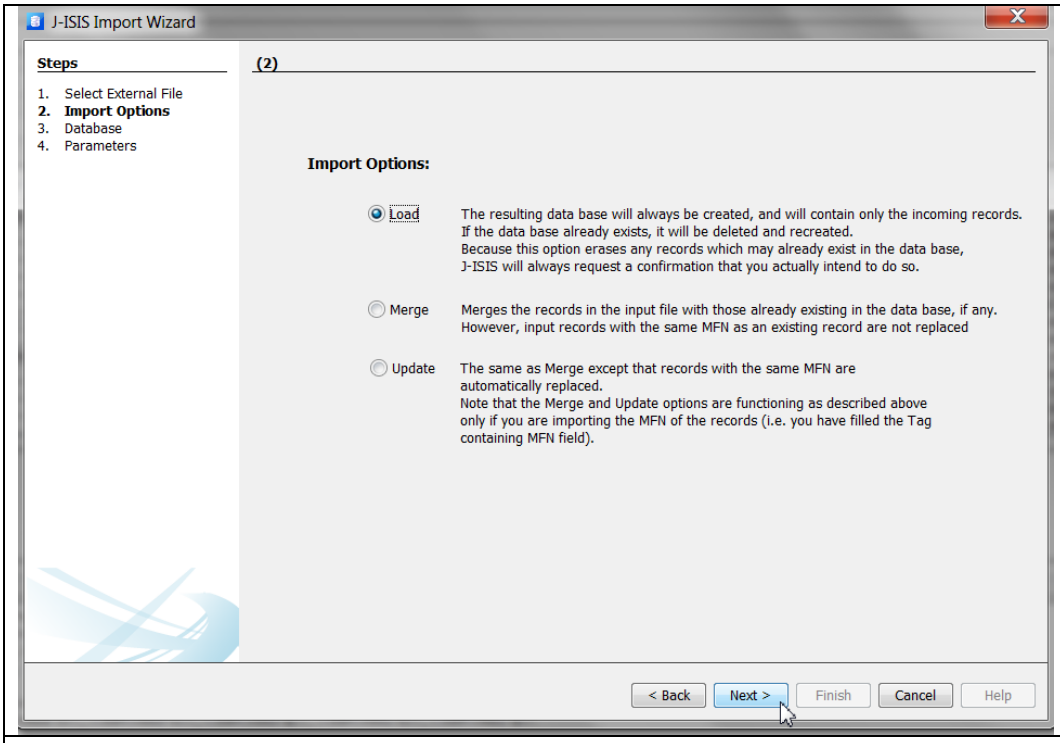
NOW, WE WILL IMPORT THIS ISO FILE INTO A J-ISIS DATABASE. Choose **{Database ⇒ J-ISIS Import Wizard**}



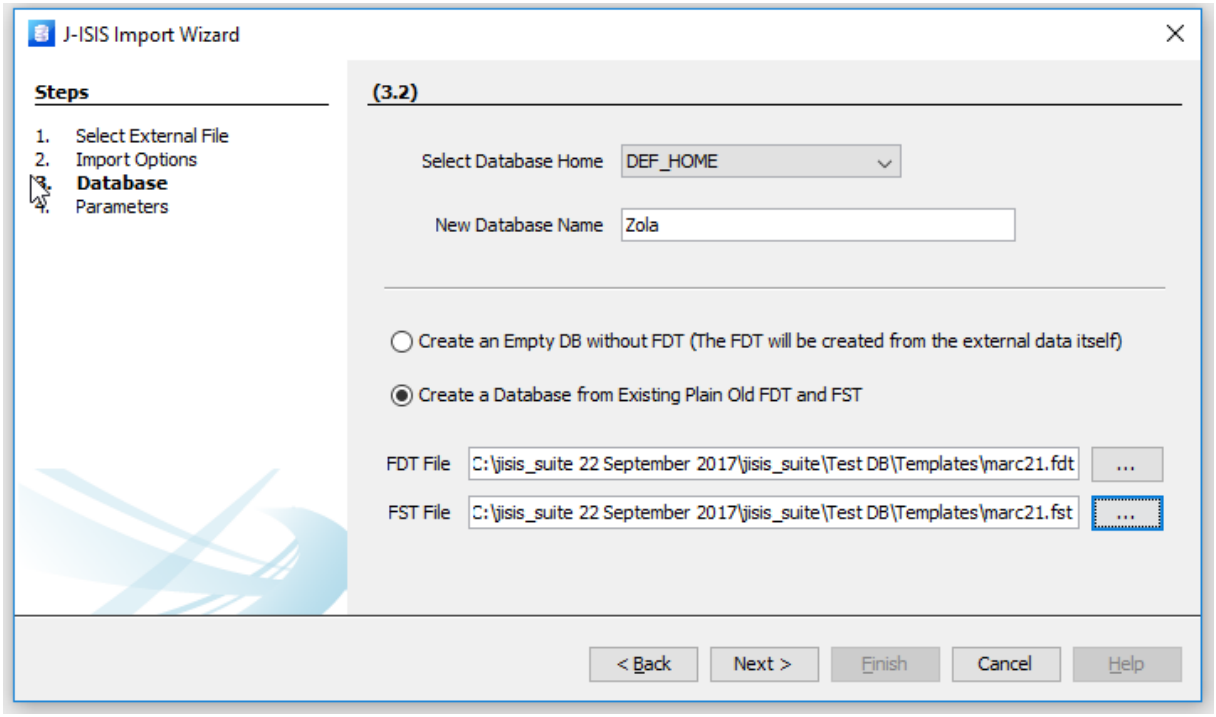
Select the ISO file just exported and change encoding to UTF-8.



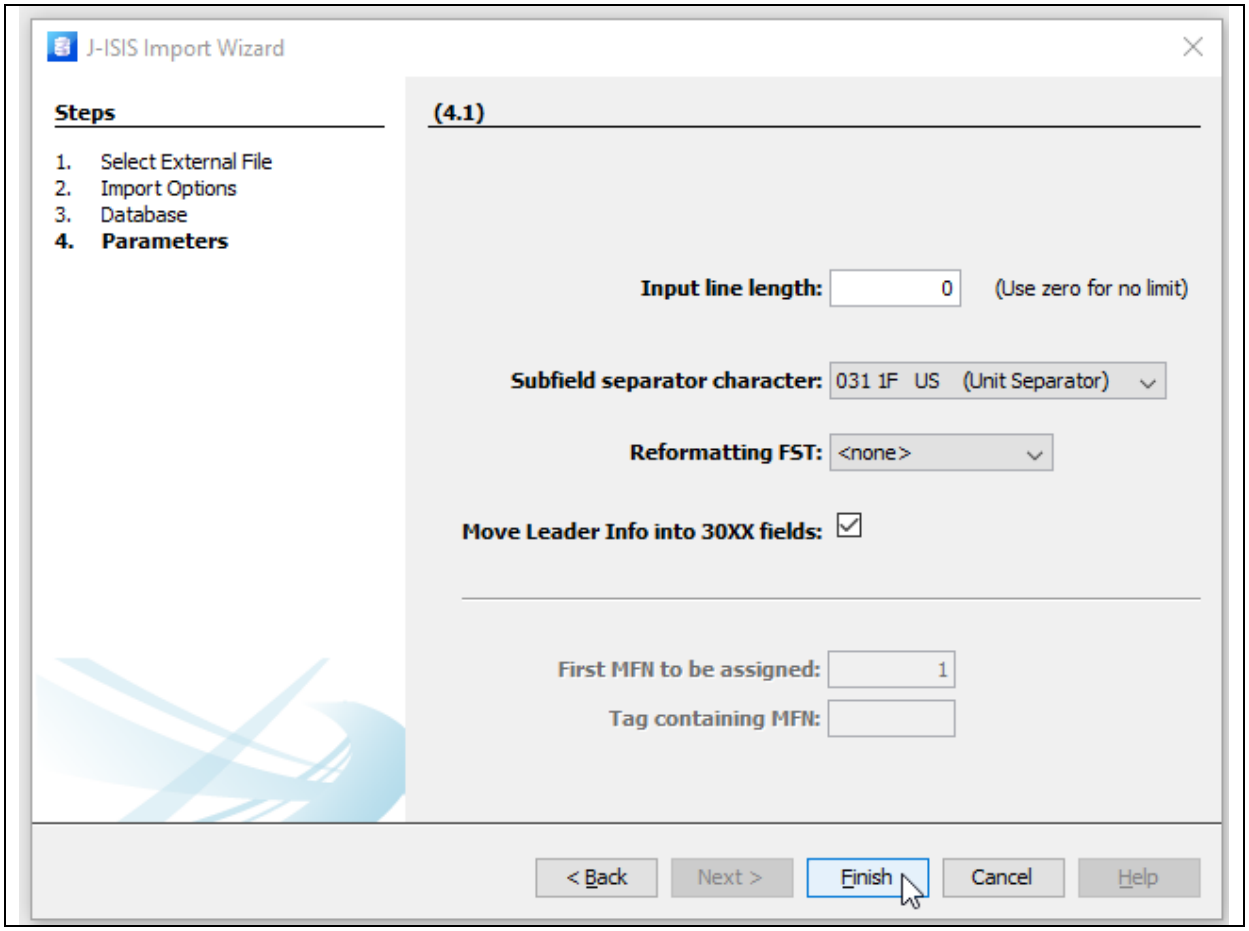
Keep the Load import option and go to next wizard panel.



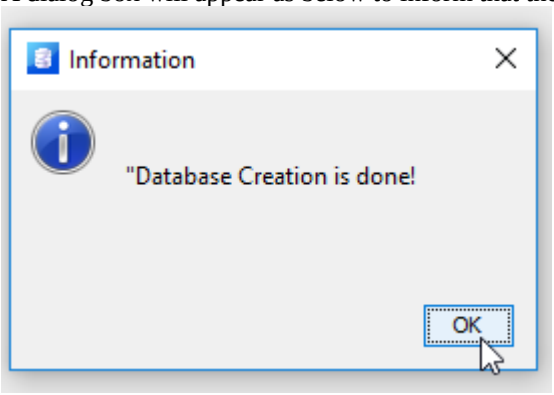
Enter *Zola* as {**New Database Name**}, select the {**Create a database from Existing Plain Old FDT and FST**} radio button, and select the marc21 fdt and fst templates.



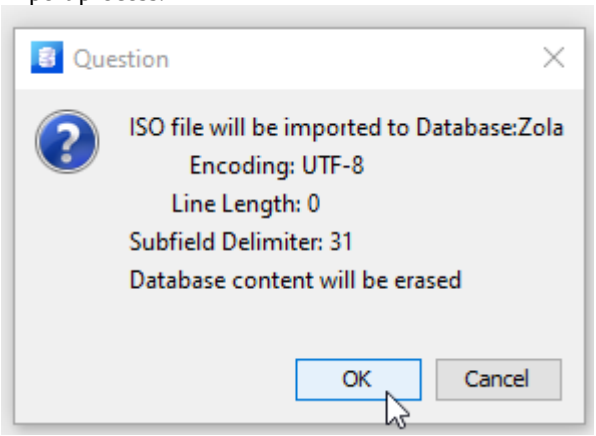
Change {**Input line length**} to *0* and check the {**Move Leader Info into 30XX fields**} checkbox. Finally click on {**Finish**}


J-ISIS Import Wizard
Steps
1. Select External File
2. Import Options
3. Database
4. Parameters
(4.1)
Input line length:
0
(Use zero for no limit)
Subfield separator character:
031 1F US (Unit Separator)
Reformatting FST:
<none>
Move Leader Info into 30XX fields:
First MFN to be assigned:
1
Tag containing MFN:
< Back
Next >
Finish
Cancel
Help

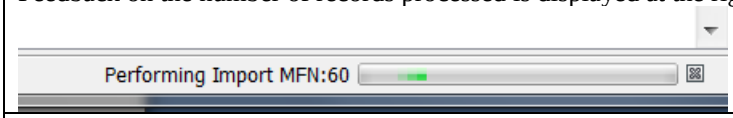
A dialog box will appear as below to inform that the database was created successfully.



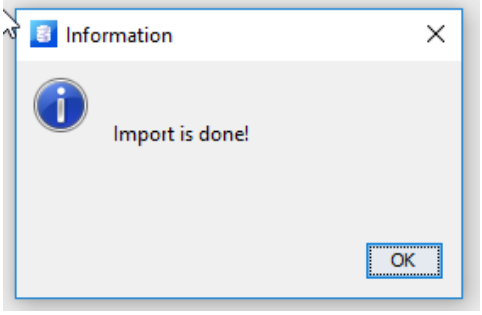
A dialog box summarizing the options selected will appear as below and this is the last chance to cancel the import process.



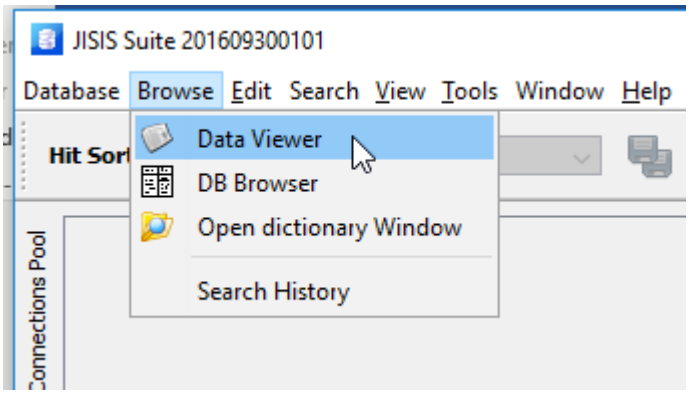
Feedback on the number of records processed is displayed at the right bottom corner.



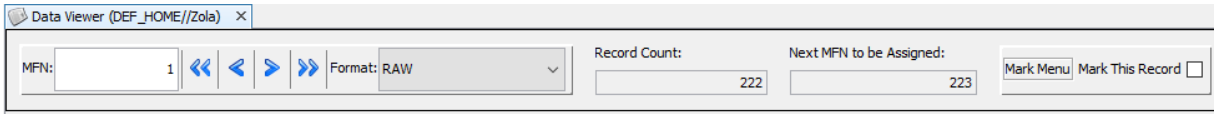
The dialog below will appear when importing is done.



Choose **{Browse ⇒Data Viewer}** and a window will open displaying the 1st record



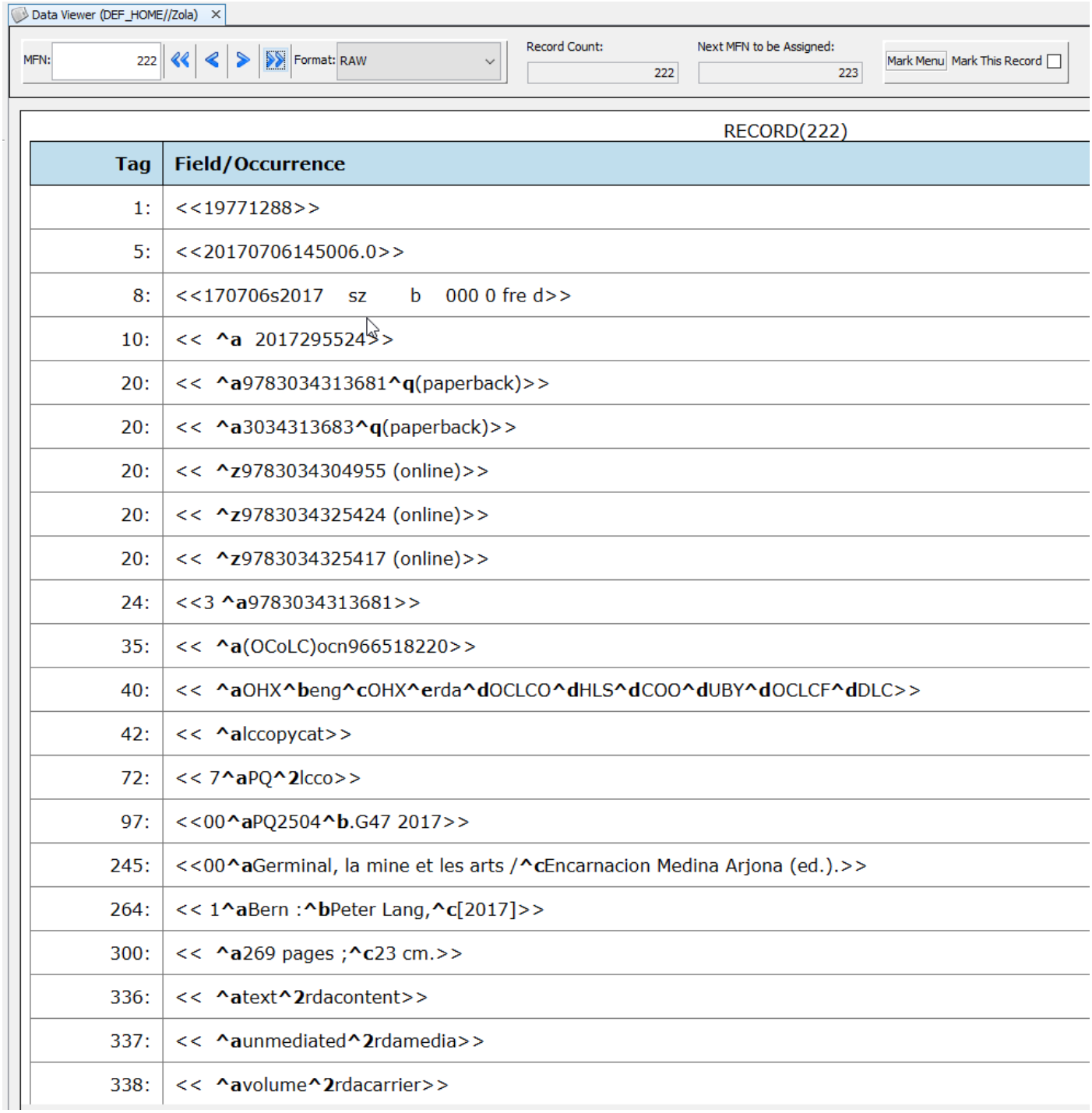
First Record



RECORD(1)

Tag	Field/Occurrence
1:	<<304713>>
5:	<<19701204000000.0>>
8:	<<701119s1970 enk b 001 0 eng >>
10:	<< ^a 72518818 >>
15:	<< ^aB70-06307>>
20:	<< ^a0718510917>>
35:	<< ^9(DLC) 72518818>>
40:	<< ^aDLC^cDLC^dDLC>>
50:	<<00^aPQ2504^b.G733>>
82:	<<00^a843/.8>>
100:	<<1 ^aGrant, Elliott Mansfield,^d1895-1969.>>
245:	<<10^aZola's Germinal:^ba critical and historical study^c[by] Elliott M. Grant. >>
250:	<< ^a[1st ed.] 2nd impression with corrections.>>
260:	<< ^aLeicester,^bLeicester U.P.,^c1970.>>
300:	<< ^a244 p.^c22 cm.>>
350:	<< ^a36/->>
500:	<< ^aContains French text of Zola's "Ebaundre" and Personnages" (MSS. 10307/8)>>
504:	<< ^aBibliography: p. 215-219.>>
600:	<<10^aZola, Emile,^d1840-1902.^tGerminal.>>
906:	<< ^a7^bcbc^corignew^d3^encip^f19^gy-gencatlg>>
991:	<< ^bc-GenColl^hPQ2504^i.G733^p00017170405^tCopy 1^wBOOKS>>

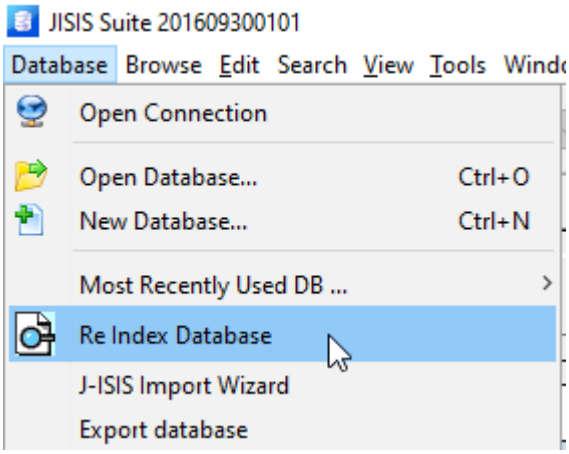
Last Record



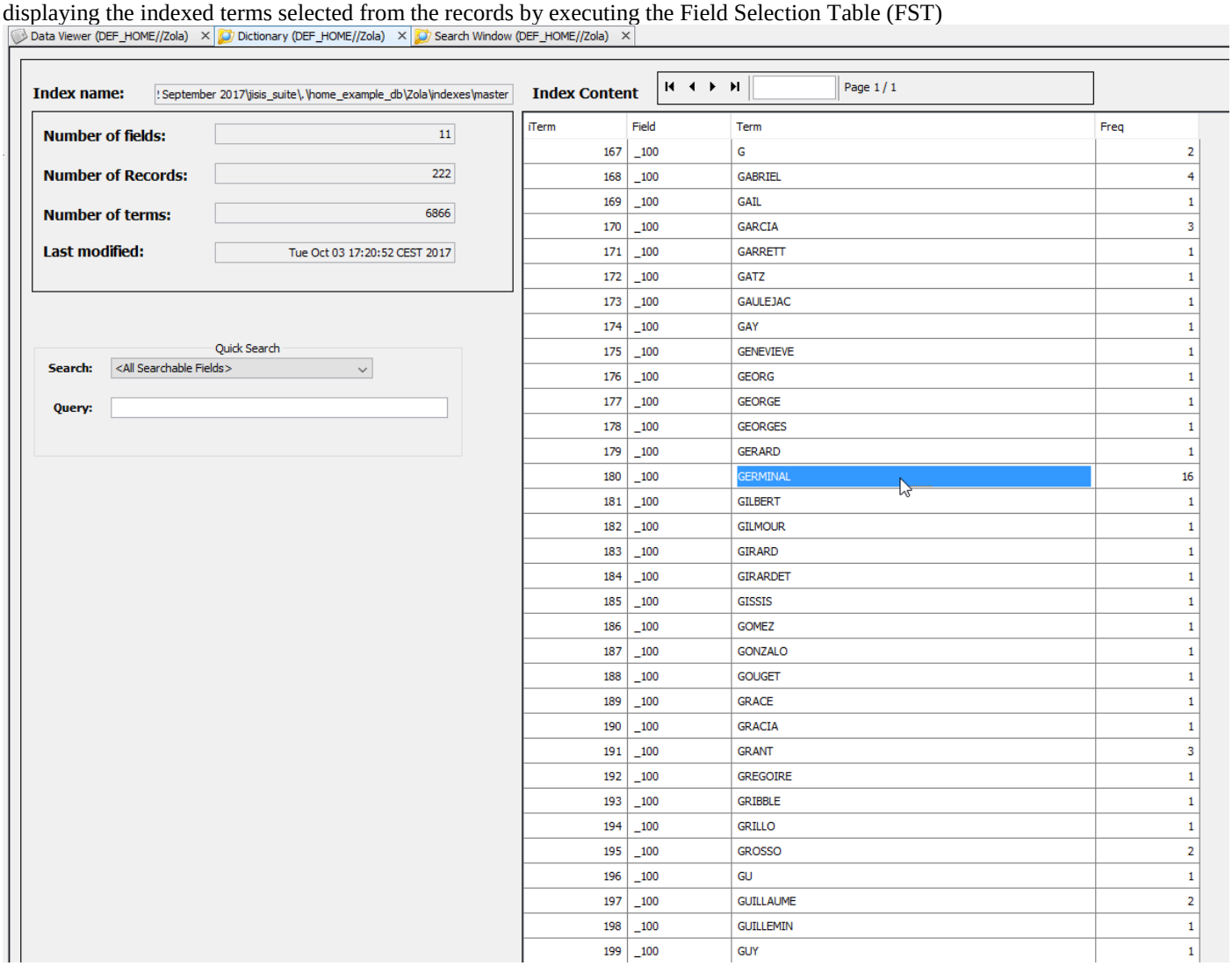
RECORD(222)

Tag	Field/Occurrence
1:	<<19771288>>
5:	<<20170706145006.0>>
8:	<<170706s2017 sz b 000 0 fre d>>
10:	<< ^a 2017295524>>
20:	<< ^a9783034313681^q(paperback)>>
20:	<< ^a3034313683^q(paperback)>>
20:	<< ^z9783034304955 (online)>>
20:	<< ^z9783034325424 (online)>>
20:	<< ^z9783034325417 (online)>>
24:	<<3 ^a9783034313681>>
35:	<< ^a(OCoLC)ocn966518220>>
40:	<< ^aOHX^beng^cOHX^erda^dOCLCO^dHLS^dCOO^dUBY^dOCLCF^dDLC>>
42:	<< ^alccopycat>>
72:	<< 7^aPQ^2lcco>>
97:	<<00^aPQ2504^b.G47 2017>>
245:	<<00^aGerminal, la mine et les arts /^cEncarnacion Medina Arjona (ed.).>>
264:	<< 1^aBern :^bPeter Lang,^c[2017]>>
300:	<< ^a269 pages ;^c23 cm.>>
336:	<< ^atext^2rdacontent>>
337:	<< ^aunmediated^2rdamedia>>
338:	<< ^avolume^2rdacarrier>>

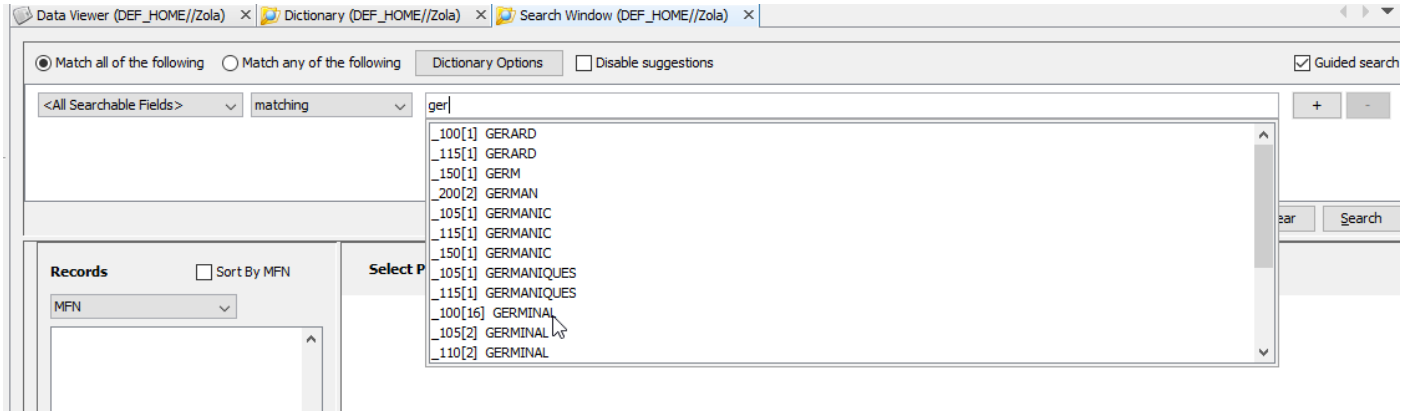
DON'T FORGET TO INDEX THE DATABASE:

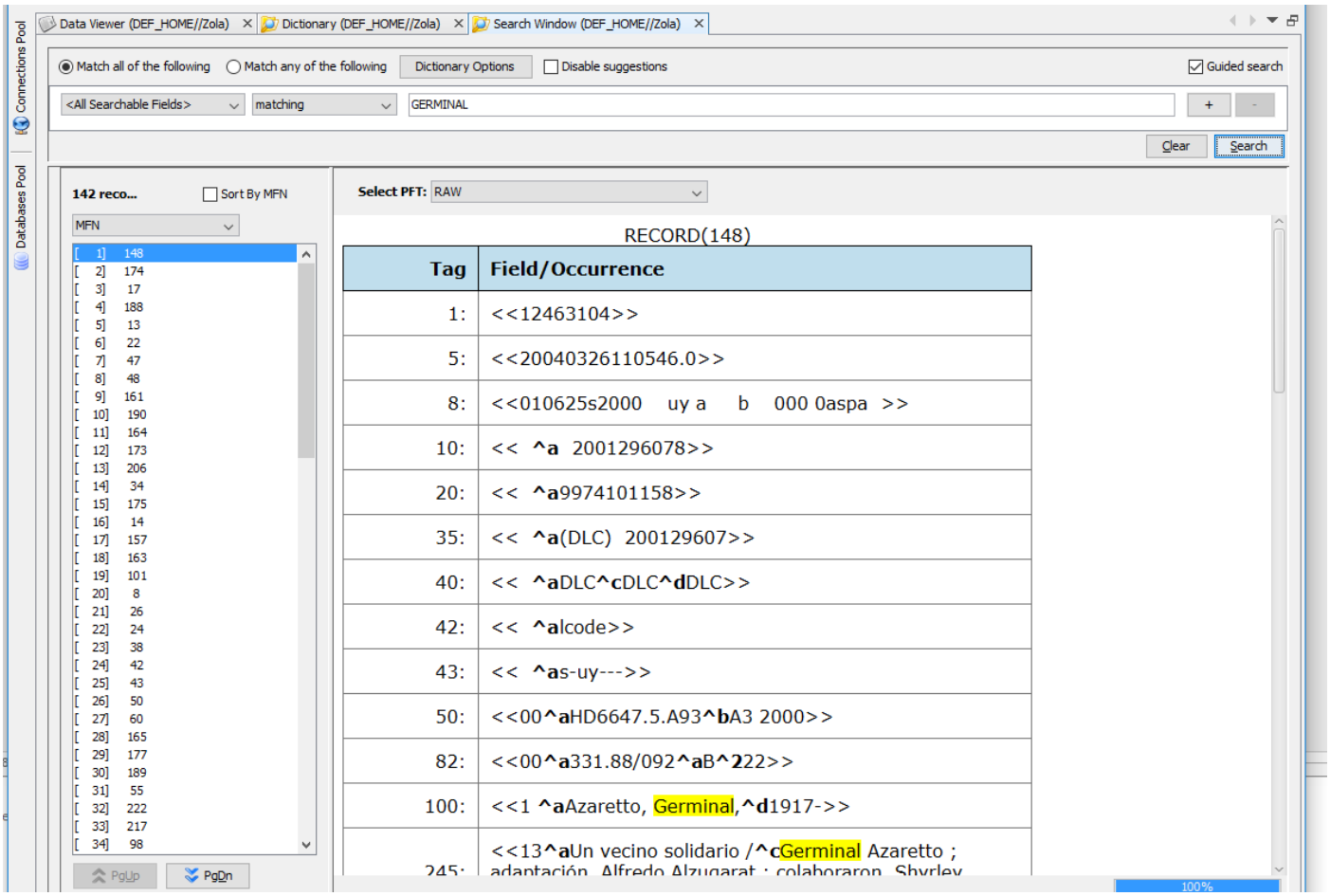


After indexing you can browse the index terms. Choose **{Browse ⇒Open Dictionary Window}** and a window will open displaying the indexed terms selected from the records by executing the Field Selection Table (FST)



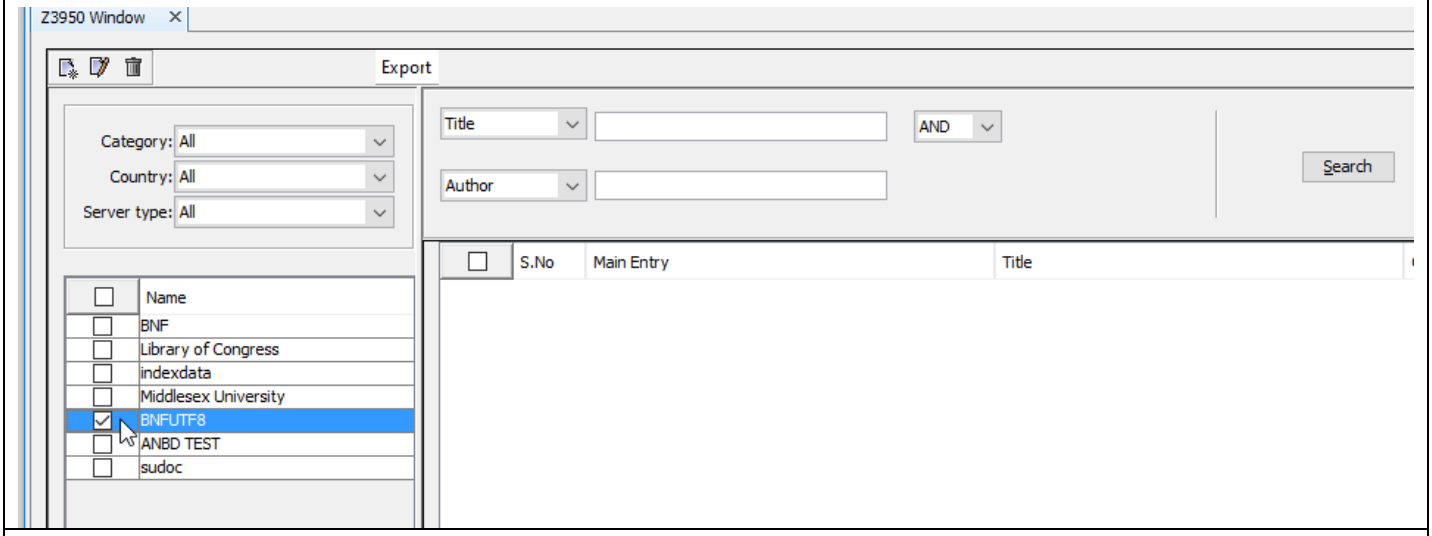
Once the database indexed, the user will be able to search records . Choose **{Search ⇒Open Search Window}** and a window will open displaying the guided search form


Data Viewer (DEF_HOME//Zola)
Dictionary (DEF_HOME//Zola)
Search Window (DEF_HOME//Zola)
Match all of the following
Match any of the following
Dictionary Options
Disable suggestions
Guided search
<All Searchable Fields>
matching
ger
_100[1] GERARD
_115[1] GERARD
_150[1] GERM
_200[2] GERMAN
_105[1] GERMANIC
_115[1] GERMANIC
_150[1] GERMANIC
_105[1] GERMANIQUES
_115[1] GERMANIQUES
_100[16] GERMINAL
_105[2] GERMINAL
_110[2] GERMINAL
Search
Records
Sort By MFN
MFN

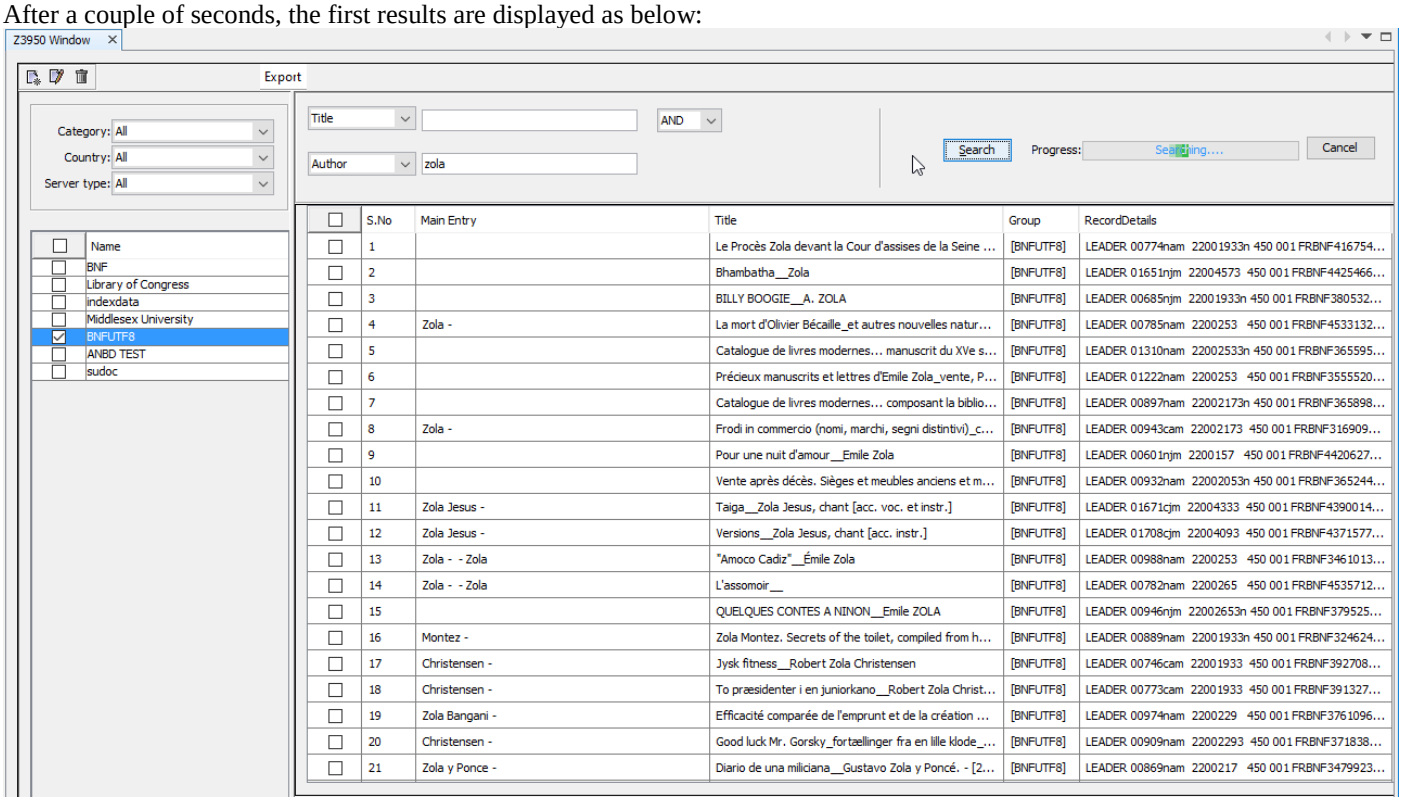

Connections Pool
Databases Pool
Data Viewer (DEF_HOME//Zola)
Dictionary (DEF_HOME//Zola)
Search Window (DEF_HOME//Zola)
Match all of the following
Match any of the following
Dictionary Options
Disable suggestions
Guided search
<All Searchable Fields>
matching
GERMINAL
Clear
Search
142 reco...
Sort By MFN
MFN
Select PFT: RAW
RECORD(148)
Tag
Field/Occurrence
1: <<12463104>>
5: <<20040326110546.0>>
8: <<010625s2000 uy a b 000 0aspa >>
10: << ^a 2001296078>>
20: << ^a9974101158>>
35: << ^a(DLC) 200129607>>
40: << ^aDLC^cDLC^dDLC>>
42: << ^alcode>>
43: << ^as-uy--->>
50: <<00^aHD6647.5.A93^bA3 2000>>
82: <<00^a331.88/092^aB^222>>
100: <<1 ^aAzaretto, Germinal,^d1917->>
245: <<13^aUn vecino solidario /^cGerminal Azaretto ;
PgUp
PgDn
100%

2. Retrieving MARC Format Bibliographic Records from French BNF

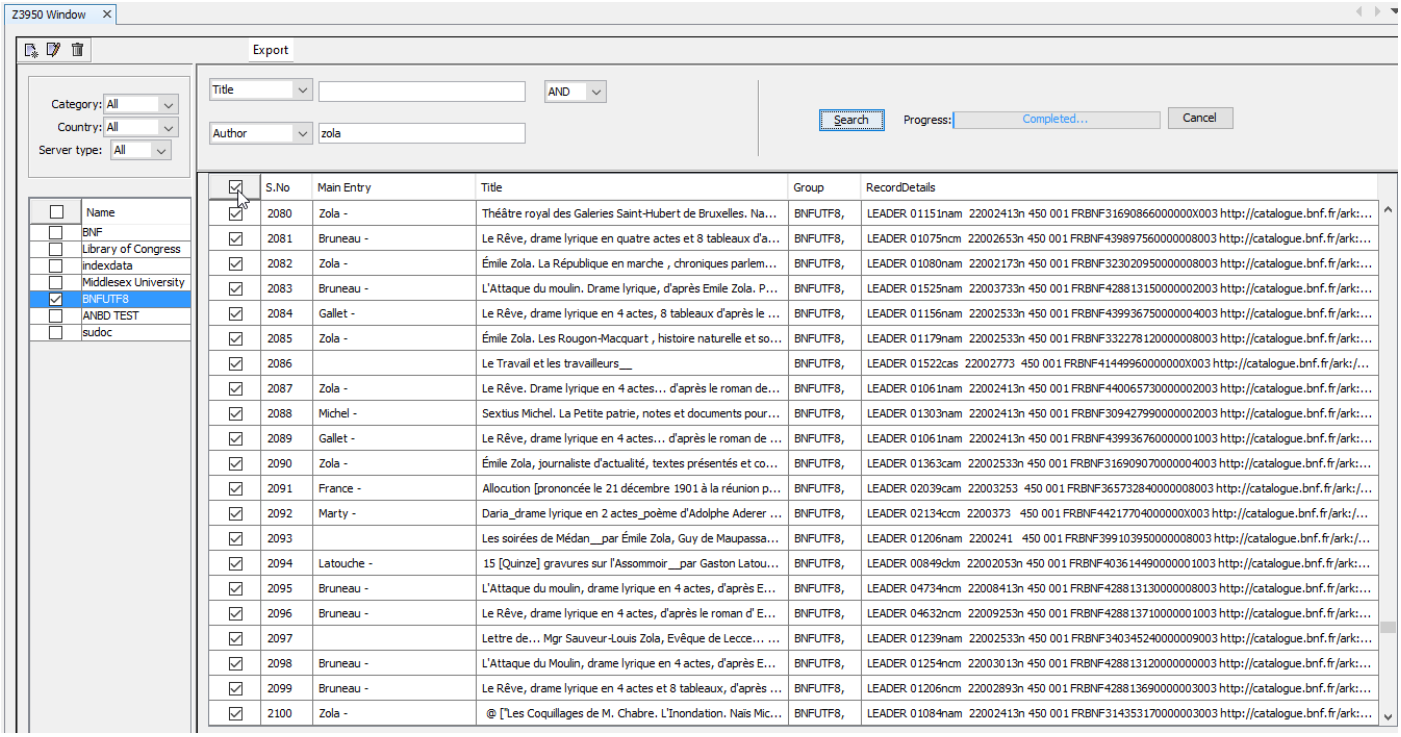
We click on the checkbox associated to {**BNF UTF-8**} to select it and we uncheck {**Library of Congress**}.



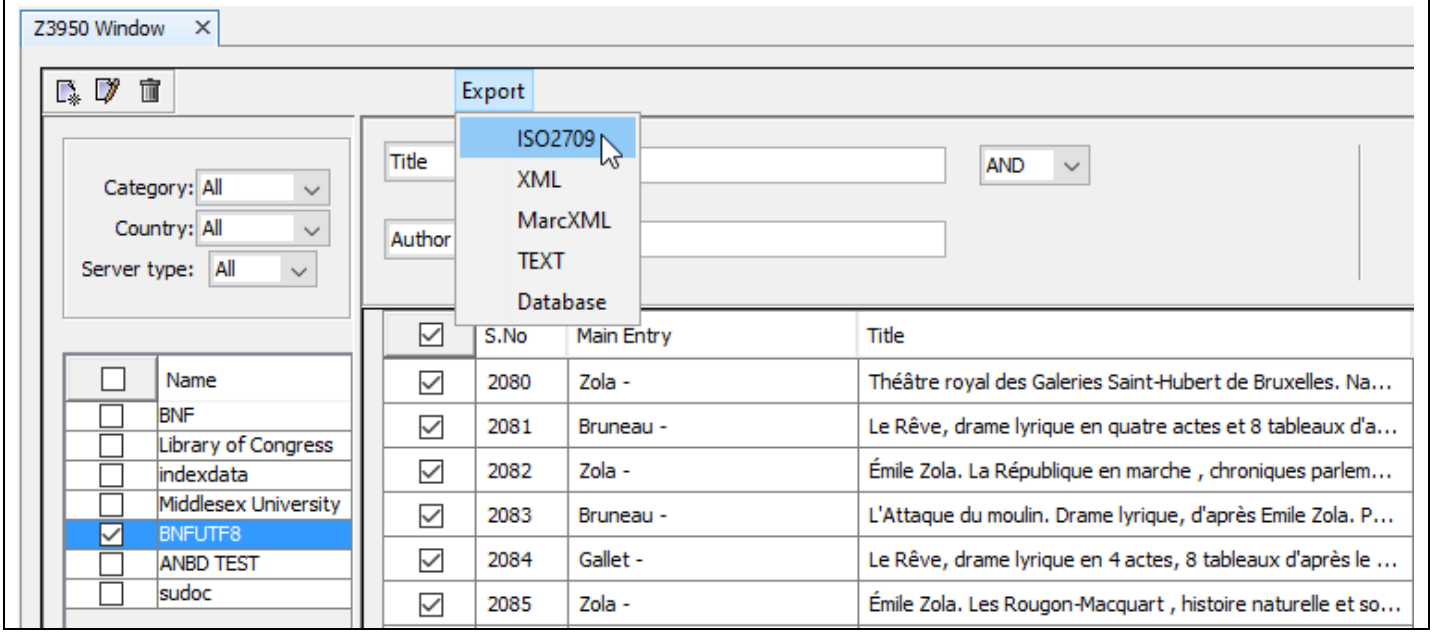
We enter ***Zola*** in the {**Author**} field and click on {**Search**}. The progress bar displays {**Searching...**} and is changing regularly. After a couple of seconds, the first results are displayed as below:



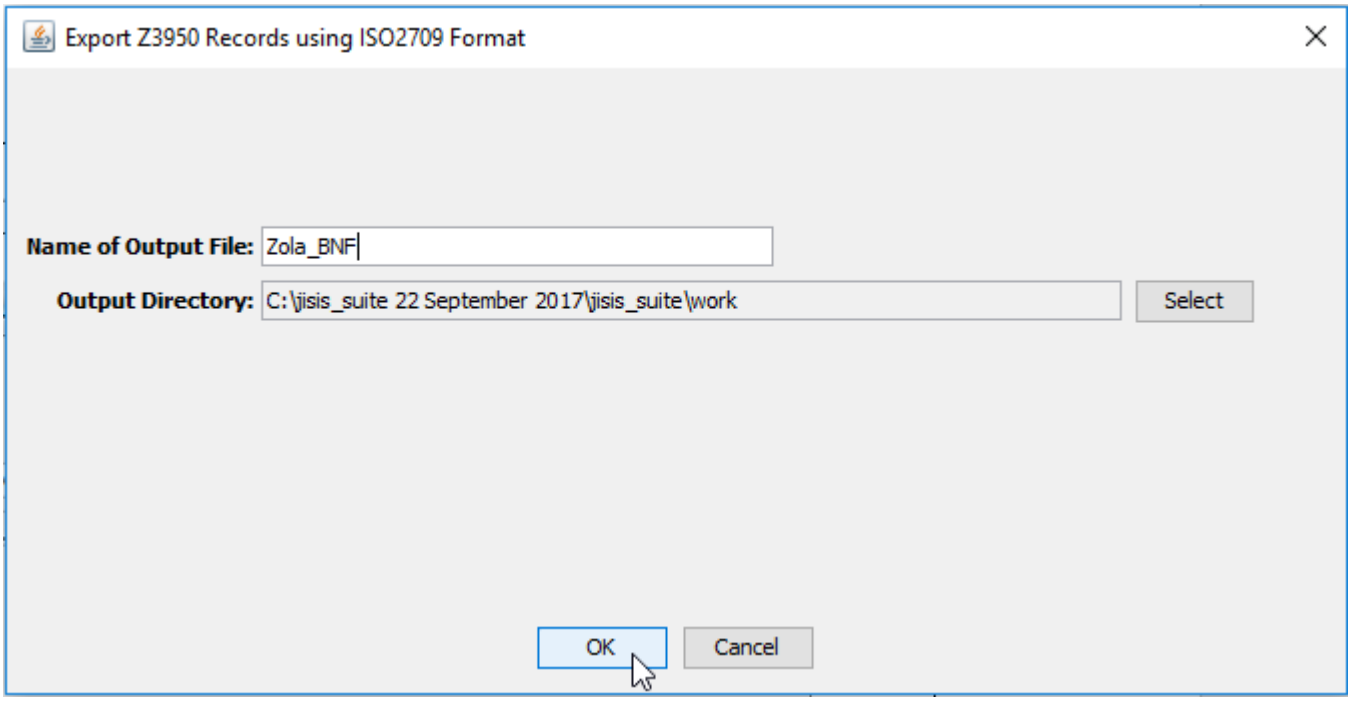
The Progress bar displays {**Completed...}** when the search is terminated. We check the top left corner checkbox to check all the retrieved records as below:



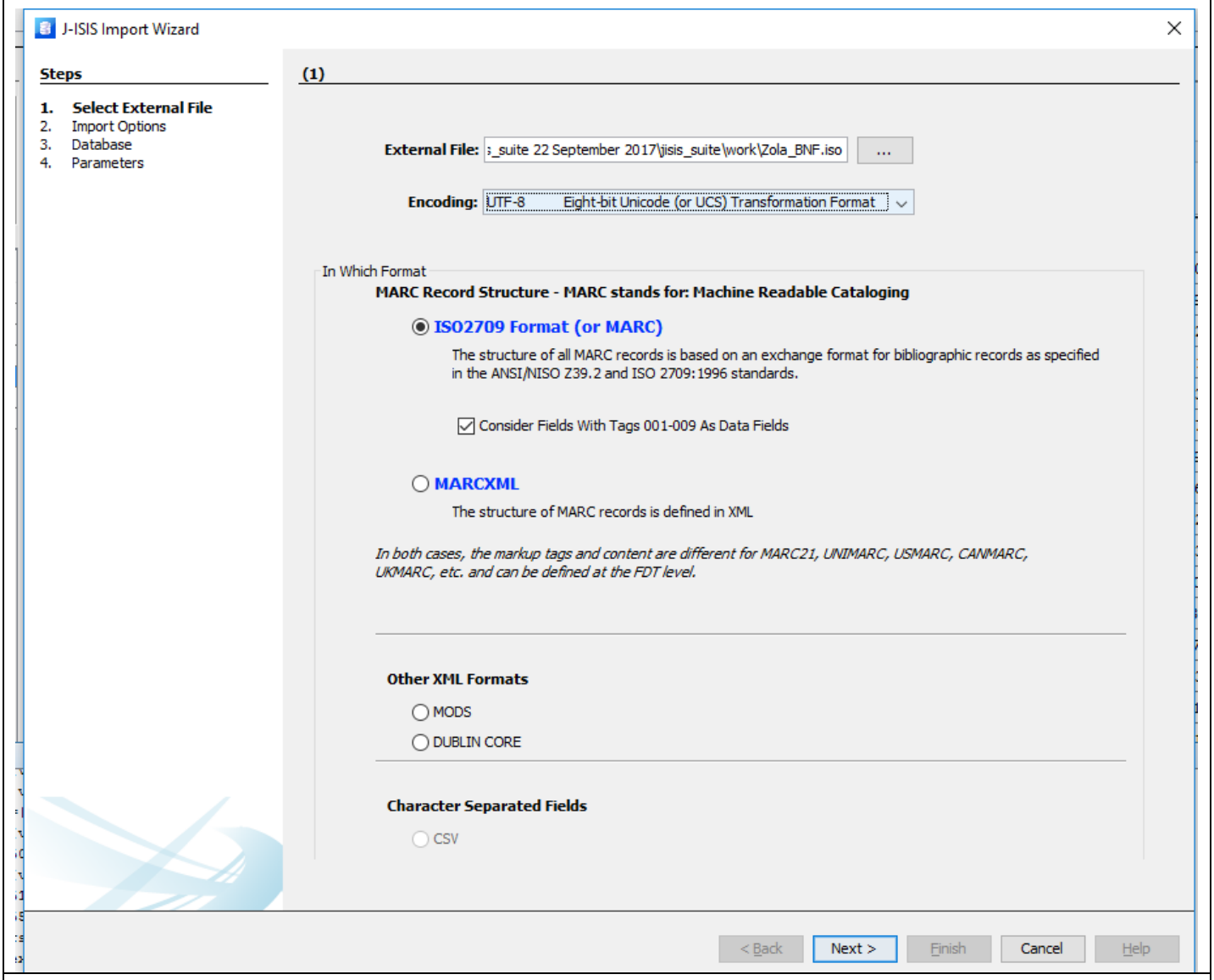
Choose {**Export ⇒ ISO2709**} to export the MARC formatted records.



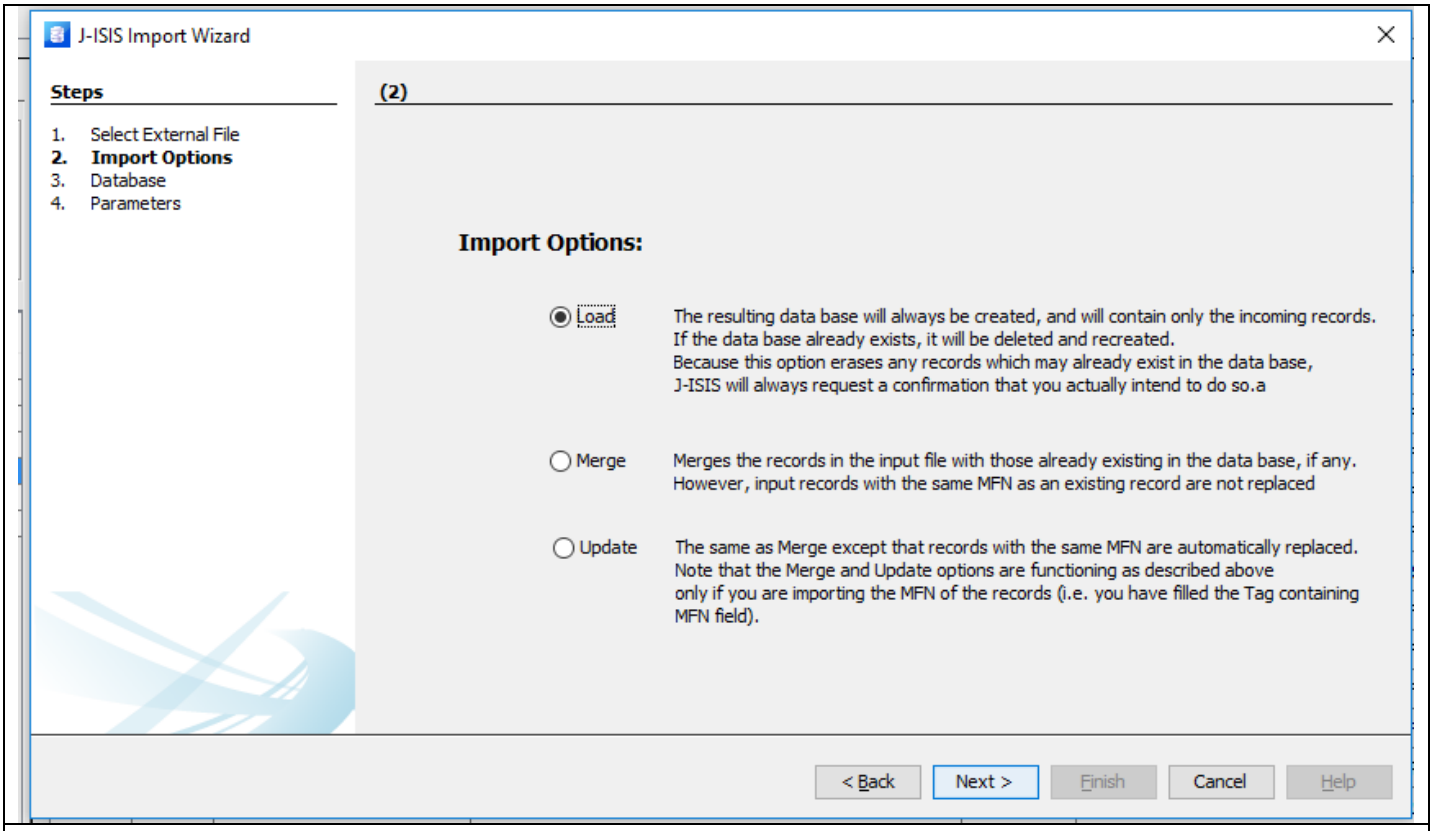
A dialog box will appear as below. Enter the name of output ISO file and select the directory where the file (with extension *.iso* will be saved.



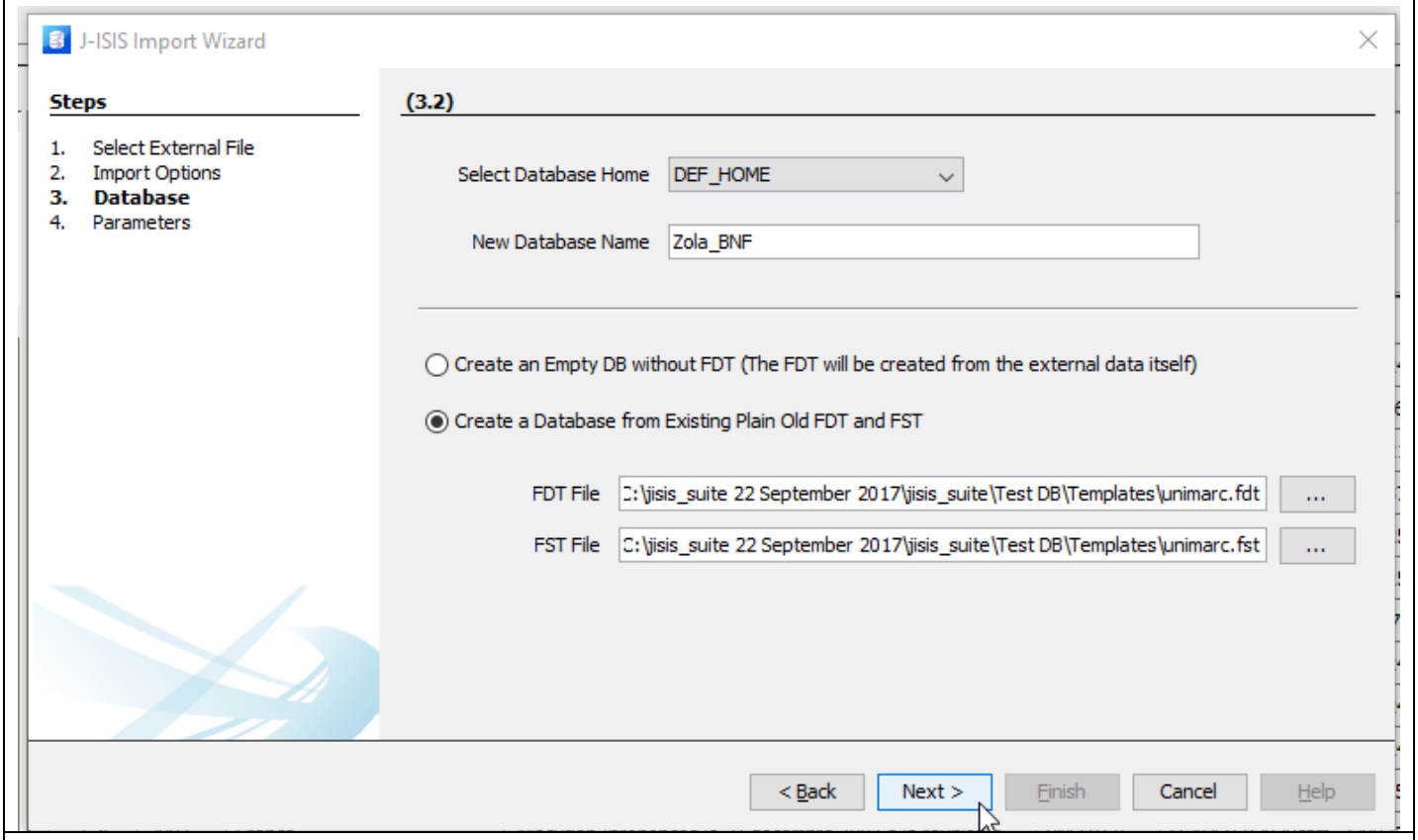
NOW, WE WILL IMPORT THIS ISO FILE INTO A J-ISIS DATABASE. Choose **{Database ⇒ J-ISIS Import Wizard}.** Select the ISO file just exported and change encoding to UTF-8



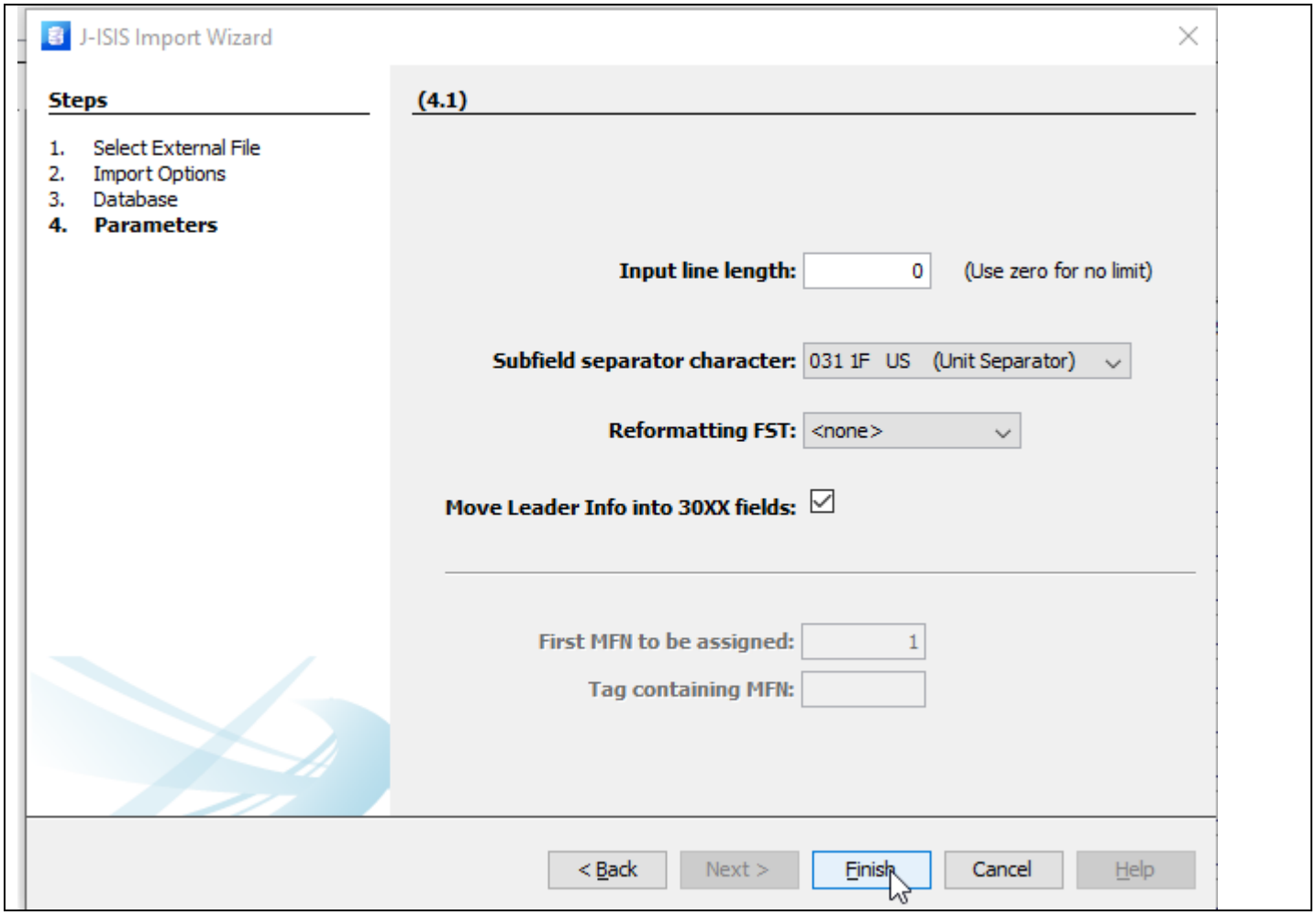
Keep the Load import option and go to next wizard panel.



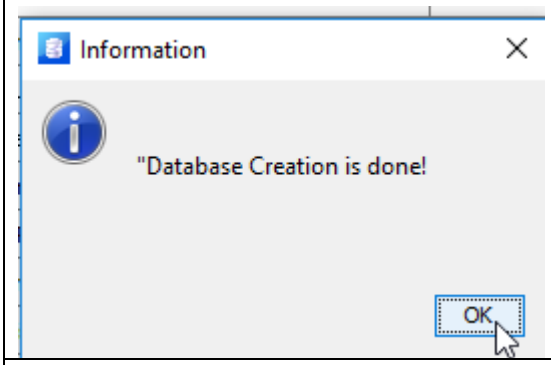
Enter *Zola_BNF* as {**New Database Name**}, select the {**Create a database from Existing Plain Old FDT and FST**} radio button, and select the unimarc fdt and fst templates.



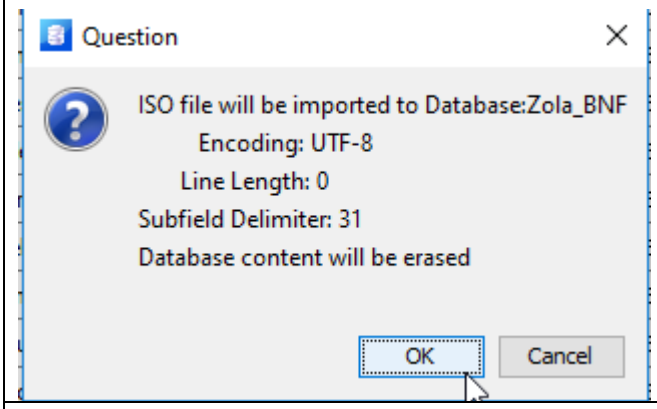
Change {**Input line length**} to 0 and check the {**Move Leader Info into 30XX fields**} checkbox. Finally click on {**Finish**}


J-ISIS Import Wizard
Steps
1. Select External File
2. Import Options
3. Database
4. Parameters
(4.1)
Input line length:
0
(Use zero for no limit)
Subfield separator character:
031 1F US (Unit Separator)
Reformatting FST:
<none>
Move Leader Info into 30XX fields:
First MFN to be assigned:
1
Tag containing MFN:
< Back
Next >
Finish
Cancel
Help

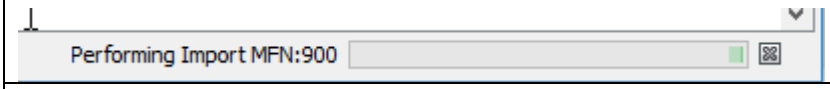
A dialog box will appear as below to inform that the database was created successfully.

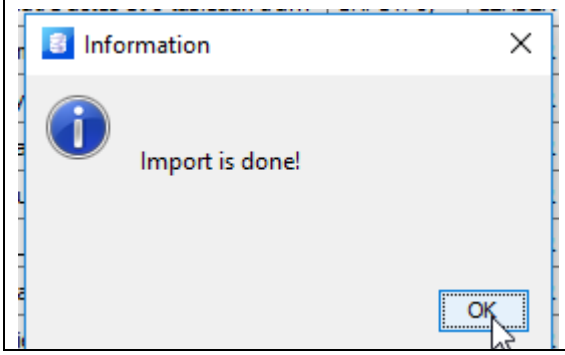


Summary of Import options, and last chance to cancel import processing.

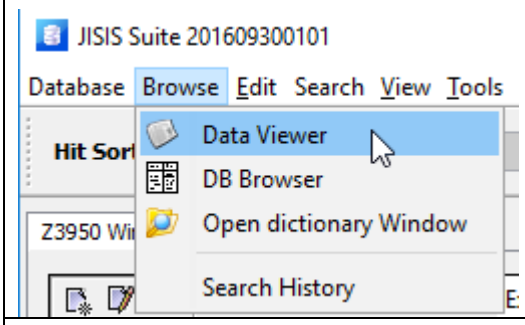


Feedback on import process in right bottom corner.





Choose **{Browse ⇒Data Viewer}** and a window will open displaying the 1st record.



JISIS Suite 201609300101

Database Browse Edit Search View Tools Window Help

Hit Sort File: <none>

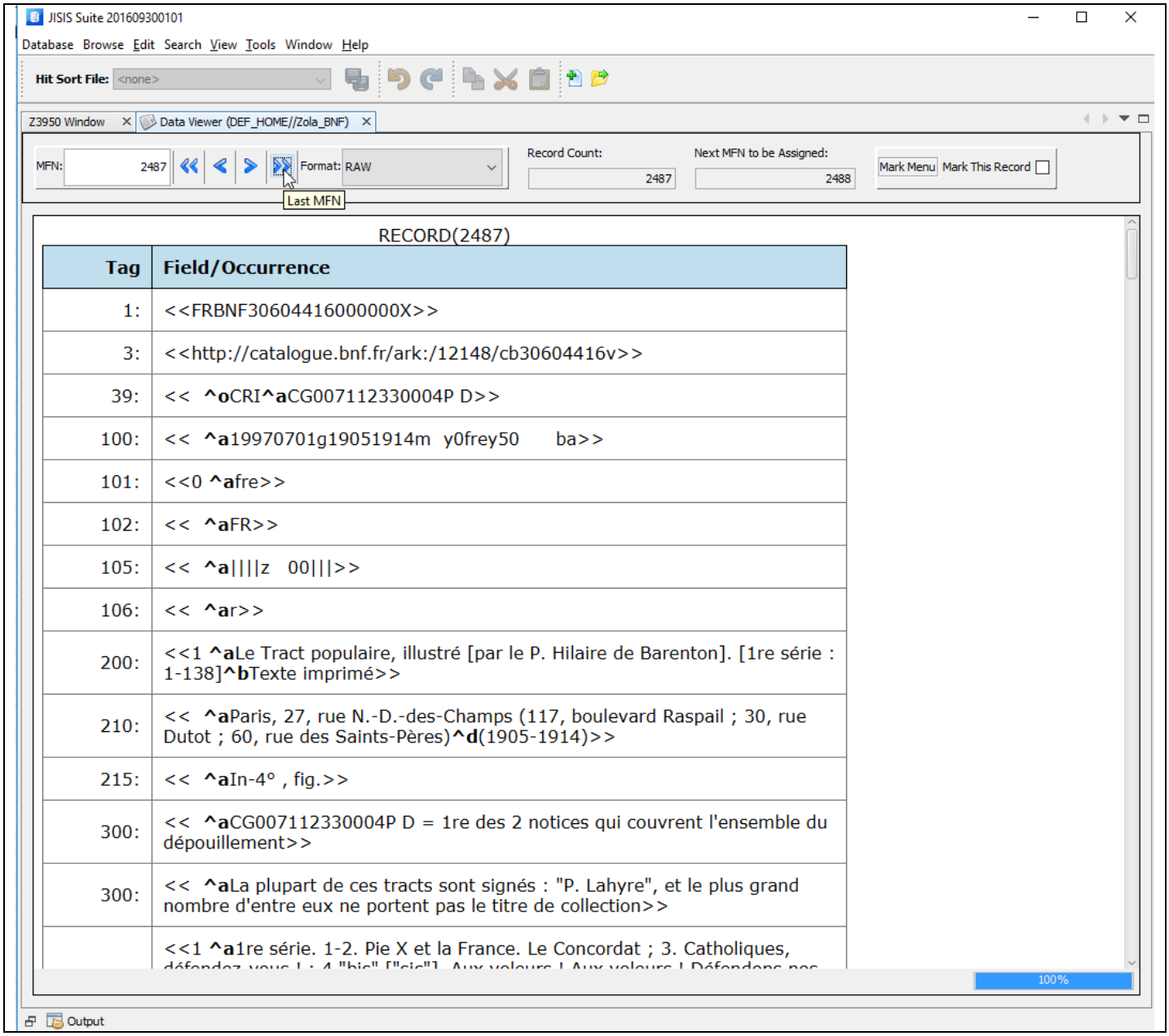
Z3950 Window | Data Viewer (DEF_HOME//Zola_BNF)

MFN: 1 Format: RAW Record Count: 2487 Next MFN to be Assigned: 2488 Mark Menu Mark This Record

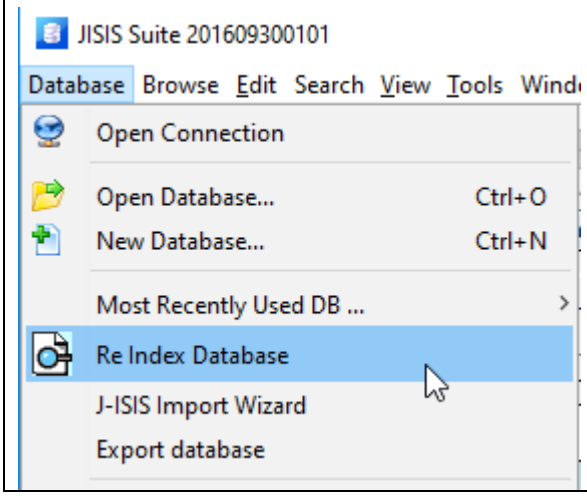
RECORD(1)

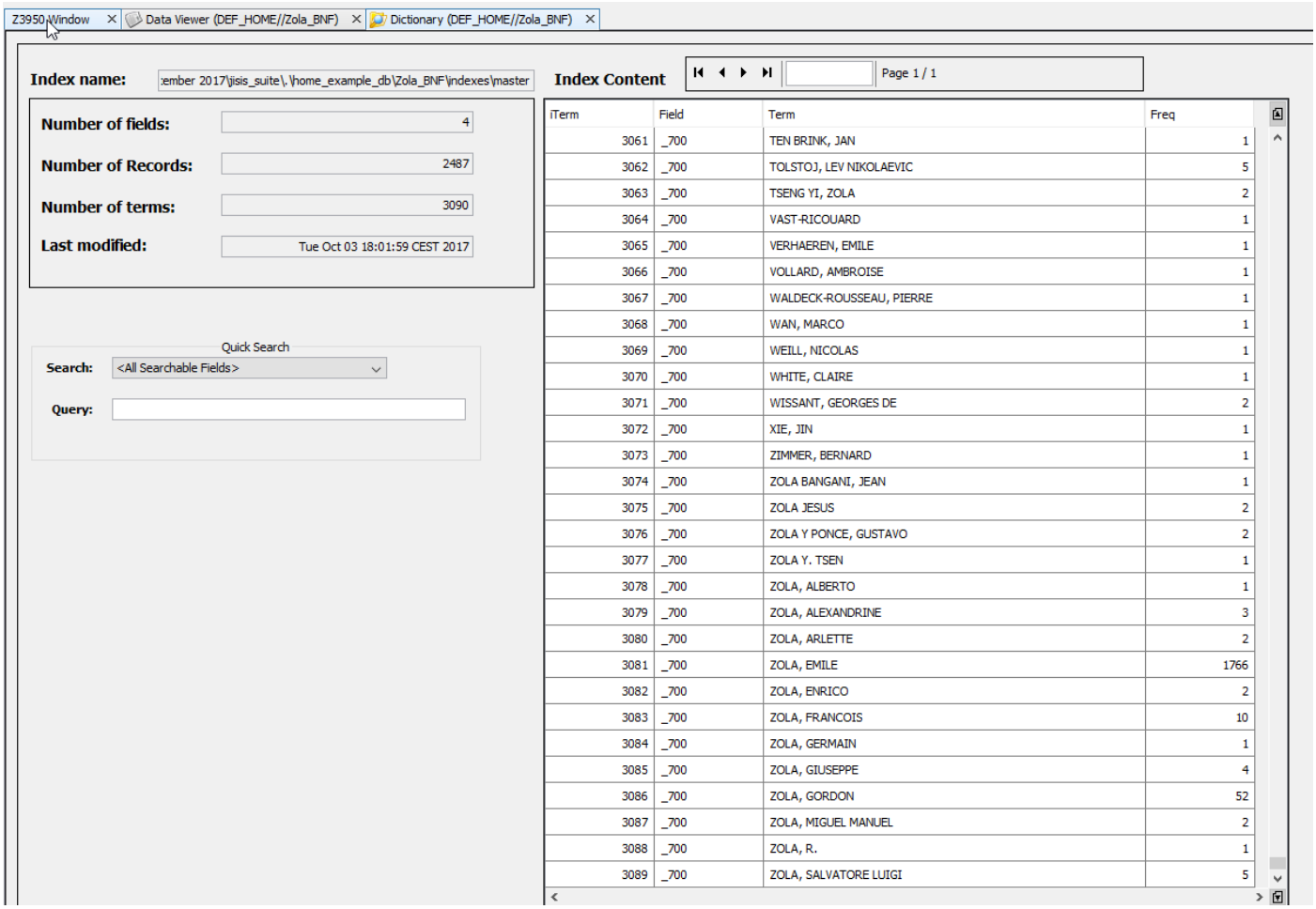
Tag	Field/Occurrence
1:	<<FRBNF416754690000006>>
3:	<<http://catalogue.bnf.fr/ark:/12148/cb41675469c>>
39:	<< ^oARS^aFU396002860001P >>
100:	<< ^a20070101d1898 m y0frey50 ba>>
101:	<<0 ^afre>>
102:	<< ^aFR>>
105:	<< ^a||||z 00|||>>
106:	<< ^ar>>
200:	<<1 ^aLe Procès Zola devant la Cour d'assises de la Seine et la cour de Cassation (7 février-23 février - 31 mars-2 avril 1898). Compte-rendu sténographique in extenso et documents annexes^bTexte imprimé>>
210:	<< ^aParis^d1898>>
215:	<< ^a2 vol.>>
503:	<<1 ^aProcès^eZola^j1898>>
801:	<< 0^aFR^bFR-751131015^c20070101^gAFNOR^hFRBNF416754690000006^2intermrc>>
930:	<< ^5FR-751041002:41675469001001^a8-NF-38265^b759999999^cArsenal - Magasin^dN>>

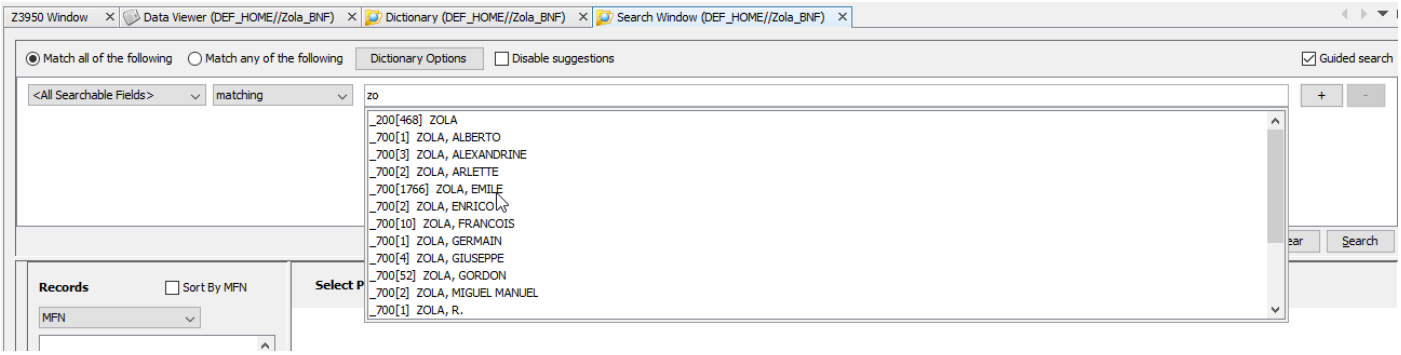
100%


JISIS Suite 201609300101
Database Browse Edit Search View Tools Window Help
Hit Sort File: <none>
Z3950 Window
Data Viewer (DEF_HOME//Zola_BNF)
MFN: 2487
Format: RAW
Record Count: 2487
Next MFN to be Assigned: 2488
Mark Menu
Mark This Record
Last MFN
RECORD(2487)
Tag
Field/Occurrence
1: <<FRBNF30604416000000X>>
3: <<http://catalogue.bnf.fr/ark:/12148/cb30604416v>>
39: << ^oCRI^aCG007112330004P D>>
100: << ^a19970701g19051914m y0frey50 ba>>
101: <<0 ^afre>>
102: << ^aFR>>
105: << ^a||||z 00|||>>
106: << ^ar>>
200: <<1 ^aLe Tract populaire, illustré [par le P. Hilaire de Barenton]. [1re série : 1-138]^bTexte imprimé>>
210: << ^aParis, 27, rue N.-D.-des-Champs (117, boulevard Raspail ; 30, rue Dutot ; 60, rue des Saints-Pères)^d(1905-1914)>>
215: << ^aIn-4° , fig.>>
300: << ^aCG007112330004P D = 1re des 2 notices qui couvrent l'ensemble du dépouillement>>
300: << ^aLa plupart de ces tracts sont signés : "P. Lahyre", et le plus grand nombre d'entre eux ne portent pas le titre de collection>>
<<1 ^a1re série. 1-2. Pie X et la France. Le Concordat ; 3. Catholiques,
100%
Output

DON'T FORGET TO INDEX THE DATABASE:







These examples are very simple and shows how it is easy to retrieve MARC format bibliographic records from Z39.50 servers, to import them into a J-ISIS database. All your comments, suggestions, improvement requests and bug descriptions are welcome.