

ISNI and author identification in the UK publishing supply chain: a case study

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The British Library

ISNI Webinar for Finnish publishers

11th November 2020

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The British Library and ISNI

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- Member of ISO 27729 International Standard Name Identifier Committee to draft the standard
- Founding Member of ISNI with the Bibliothèque nationale de France, co-representing the Conference of European National Librarians (CENL)
- Provide QA services to ISNI-IA for build and maintenance of the ISNI database
- Foundational work with data from national library authority files
 - Virtual International Authority File (VIAF)

No,
not looking for
the Musician.

Michelle Smith
1422 4586 3573 0473

Not
the Singer.

Michelle Smith
ISNI 1421 7586 3430 9967

YES,
the Author.

Michelle Smith
1422 4586 1234 0422

Identification
made easy with an ISNI number.



The British Library as ISNI Registration Agency

- Strategic shift from name disambiguation in the British National Bibliography (BNB) and in our catalogues
- Towards
 - Bridging data silos
 - Identity management for the supply chain
 - Exploiting the potential of the BNB and Cataloguing-in-Publication (CIP) workflows
 - Developing an ISNI Registration Service



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The British Library as ISNI Registration Agency

- Principles
 - Embed ISNI in all cataloguing workflows
 - Automate processes as far as possible
 - Engage with the supply chain

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The British Library as ISNI Registration Agency



• Challenges

- **Embedding ISNI in the LC/NACO file**
 - Collaboration with Library of Congress and PCC network
- **Embedding ISNI in legacy bibliographic data**
 - Developing matching algorithms and processes
- **Building a Registration Service**
 - Online User Portal
- **Engagement with the supply chain**
 - UK Publishers Interest Group

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BL ISNI engagement activities



- **Publisher Licensing Services** hosted meeting on ISNI for Publishers & Imprints January 2018
- **BIC Breakfast** March 2018: International Identification for Authors, Publishers & Imprints
 - Included a presentation by the **Bibliothèque nationale de France** on the integration of ISNI in their CIP workflows

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BL ISNI engagement activities

- BL hosted a series of follow up meetings with a **Publisher Interest Group** to explore options for:
 - Using ISNI to identify Imprints and Publishers across the supply chain
 - Explore ways for sharing existing ISNIs for authors in publisher and trade supply chain metadata
 - **EDItEUR** has provided valued support in cultivating publisher contacts
 - **Bibliographic Data Services** also a key publishers' liaison as the BL's CIP provider

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ISNI Publisher Interest Group

Bibliographic Data Services	Harper Collins
BIC	ISNI International Agency
British Library	Nielsen
Cambridge University Press	Pan Macmillan
EDItEUR	Penguin/Random House
Hachette UK	Publisher Licensing Services
International ISBN Agency	Bloomsbury
	<i>And more joining...</i>

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ISNI Publisher Interest Group



- *Use cases for ISNI for publishers/imprints*
- **Options for supplying author's ISNIs for products**
- **Matching ISNIs to in-house publisher IDs & NACO IDs**
- **Formats for exchanging data**
- **How we might introduce ISNIs into the supply chain**

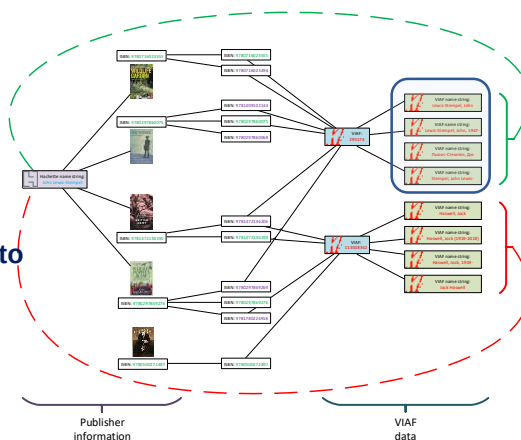
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Embedding ISNIs in the British National Bibliography



- **BNB ISBNs matched against VIAF**
- **NACO names strings in VIAF correspond to name strings in BNB**
- **VIAF record cross referenced to pull the appropriate ISNI into BNB**



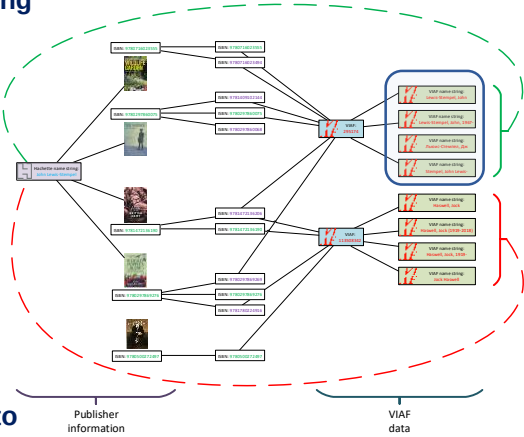
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Using the BNB to map publisher data via VIAF to ISNI
Graph Matching



- Publisher provides a name string and associated product(s)
- Equivalent ISBNs matched against BNB
- ISBNs matched against VIAF
- VIAF name strings compared to the original name to find matches (green line: similar name strings; red line: name strings differ)
- VIAF record cross referenced to the appropriate ISNI



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Publisher ID to ISNI
Example Match Results



ISBN	Title	HC/Reverse NACO	ISNI	HUK Proprietary ONIX ID	Person ID
9780297608134	The Beatles Lyrics	Hunter Davies		HC31803	31803
9780297608134	The Beatles lyrics : the unseen story behind the	Hunter Davies 1936-	0000000108900319		
9780297608226	Not forgetting the whale	J W Ironmonger	0000000379458825		
9780297608226	Not Forgetting The Whale	John Ironmonger		HC34210	34210
9780297608271	The Tipping Point	J G Jurado		HC33323	33323
9780297608271	The tipping point	Juan Gómez-Jurado	0000000109195287		
9780297608493	Woman of the dead : a thriller	Anthea Bell	0000000122790646		
9780297608493	Woman of the Dead	Bernhard Aichner		HC131251	131251
9780297608493	Woman of the dead : a thriller	Bernhard Aichner 1972-	0000000078486881		
9780297608561	My life with Wagner	Anthea Bell	0000000122790646		
9780297608561	My Life with Wagner	Christian Thielemann		HC131846	131846
9780297608561	My life with Wagner	Christian Thielemann 1959-	000000011700249X		
9780297608721	White Mountain	Robert Twigger		HC31401	31401
9780297608721	White mountain	Robert Twigger 1964-	0000000114614538		
9780297608752	Summer Requiem	Vikram Seth		HC31988	31988
9780297608752	Summer requiem : a book of poems	Vikram Seth 1952-	0000000109327921		
9780297608905	The Second Half	Roddy Doyle		HC56005	56005
9780297608905	The second half	Roddy Doyle 1958-	0000000108749380		
9780297608905	The Second Half	Roy Keane		HC132040	132040
9780297608905	The second half	Roy Keane 1971-	000000004570239X		
9780297609346	Chicken & egg	Dave Myers 1967-	0000000108321958		
9780297609346	The Hairy Bikers' Chicken & Egg	Hairy Bikers		HC34183	34183
9780297609346	Chicken & egg	Si King	0000000383954661		

Publisher ID to ISNI
Some Match Issues

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ISBN	Title	HC/Reverse NACO	Original NACO	ISNI	HUK Proprietary	Person ID
9780297608134	The Beatles Lyrics	Hunter Davies	Davies, Hunter, 1936-	00000000900319	HC31803	31803
9780297608134	The Beatles lyrics : the unseen	Hunter Davies 1936-	Davies, Hunter, 1936-	00000000900319	HC31803	31803
9780297608226	Not forgetting the whale	J W Ironmonger	Ironmonger, J. W.	0000000058825	HC34210	34210
9780297608226	Not Forgetting The Whale	John Ironmonger	Ironmonger, J. W.	0000000058825	HC33323	33323
9780297608271	The Tipping Point	J G Jurado	Gómez-Jurado, Juan	0000000095287	HC33323	33323
9780297608271	The tipping point	Juan Gómez-Jurado	Gómez-Jurado, Juan	0000000095287	HC33323	33323
9780297608493	Woman of the dead : a thriller	Anthea Bell	Bell, Anthea	000000000646	HC131251	131251
9780297608493	Woman of the Dead	Bernhard Aichner	Aichner, Bernhard, 1972-	000000000646	HC131251	131251
9780297608493	Woman of the dead : a thriller	Bernhard Aichner 1972-	Aichner, Bernhard, 1972-	000000000646	HC131251	131251
9780297608561	My life with Wagner	Anthea Bell	Bell, Anthea	000000000646	HC131846	131846
9780297608561	My Life with Wagner	Christian Thielemann	Thielemann, Christian, 1959-	000000000646	HC131846	131846
9780297608561	My life with Wagner	Christian Thielemann 1959-	Thielemann, Christian, 1959-	000000000646	HC131846	131846
9780297608752	Summer Requiem	Vikram Seth	Seth, Vikram, 1952-	000000000000	HC31988	31988
9780297608752	Summer requiem : a book of poems	Vikram Seth 1952-	Seth, Vikram, 1952-	000000000000	HC31988	31988
9780297608905	The Second Half	Roddy Doyle	Doyle, Roddy	000000000000	HC56005	56005
9780297608905	The second half	Roddy Doyle 1958-	Doyle, Roddy	000000000000	HC56005	56005
9780297608905	The Second Half	Roy Keane	Keane, Roy, 1971-	000000000000	HC132040	132040
9780297608905	The second half	Roy Keane 1971-	Keane, Roy, 1971-	000000000000	HC132040	132040
9780297609346	Chicken & egg	Dave Myers 1967-	Myers, Dave, 1967-	000000000958	HC34183	34183
9780297609346	The Hairy Bikers' Chicken & Egg	Hairy Bikers	King, Si	000000000000	HC34183	34183
9780297609346	Chicken & egg	Si King	King, Si	000000000000	HC34183	34183
9780297609728	Our Korean Kitchen	Jordan Bourke	Bourke, Jordan	000000000000	HC138489	138489
9780297609728	Our Korean Kitchen	Rejina Pyo	Pyo, Rejina	000000000000	HC138490	138490
9780297609728	Our Korean kitchen : food is at	Tara Fisher	Fisher, Tara	000000000000	HC138490	138490
9780297856269	The watcher in the shadows	Carlos Ruiz Zafón	Ruiz Zafón, Carlos, 1964-	000000000000	HC32693	32693
9780297856269	The watcher in the shadows	Carlos Ruiz Zafón	Ruiz Zafón, Carlos, 1964-	000000000000	HC32693	32693
9780297856269	The watcher in the shadows	Lucia Graves	Graves, Lucia	000000000000	HC32693	32693
9780297857426	The Watcher in the Shadows	Carlos Ruiz Zafón	Ruiz Zafón, Carlos, 1964-	000000000000	HC32693	32693
9780297857426	The watcher in the shadows	Carlos Ruiz Zafón 1964-	Ruiz Zafón, Carlos, 1964-	000000000000	HC32693	32693
9780297857426	The watcher in the shadows	Lucia Graves	Graves, Lucia	000000000000	HC32693	32693
9780297859147	Testament of Youth	Vera Brittain	Brittain, Vera, 1893-1970	000000000000	HC32217	32217
9780297859147	Testament Of Youth : An Autobiography	Vera Brittain 1893-1970	Brittain, Vera, 1893-1970	000000000000	HC32217	32217
9780297859147	Testament Of Youth : An Autobiography	Vera Brittain 1893-1970	Brittain, Vera, 1893-1970	000000000000	HC32217	32217

Publisher Name & ISNI Matching Results

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Publisher	Number of names	Number of matches	Success rate
Atlantic	1,201	954	79%
Bloomsbury	43,558	28,420	65%
BurleighDodds	681	35	5%
ChannelView	1,392	1,146	82%
Canongate	521	363	70%
CUP	21,298	16,292	76%
DK	2,103	1,409	67%
Hachette	10,857	7,820	72%
HarperCollins	13,406	8,107	60%
Kogan Page	1,117	708	63%
Liverpool University Press	1,498	1,064	71%
PanMacmillan	1,642	1,332	81%
Penguin	14,297	9,638	67%
Pluto	1,589	1,107	70%
RandomHouse	24,060	16,127	67%
TaylorFrancis	107,871	68,878	64%
Total	247,091	163,400	66%

Publisher name and ISNI Matching results
Name de-duplication



isni:000000006655121X	panmacmillan:8348	Carol Ann Lee
	penguin:22163	Carol Ann Lee
	randomhouse:64069	Carol Ann Lee
isni:0000000066553901	harpercollins:1	Anonymous
	panmacmillan:2127	Nikki Gemmell
isni:0000000066567182	penguin:8976	Frank Broughton
	randomhouse:30805	Frank Broughton
isni:0000000066578383	dk:31521	Jennifer Joyce
	harpercollins:15192	Jennifer Joyce
	penguin:31521	Jennifer Joyce
isni:0000000066579589	penguin:29760	Guy Parker-Rees
	penguin:29896	Guy Parker-Rees
isni:0000000066588178	penguin:21702	Annie Bell
	randomhouse:9459	Annie Bell
isni:0000000066597015	dk:29960	Monty Don
	randomhouse:51095	Monty Don
isni:000000006660895X	penguin:33238	Lisa Chaney
	randomhouse:14857	Lisa Chaney
isni:0000000066653208	panmacmillan:5708	Timothy Knapman
	penguin:30380	Timothy Knapman
isni:0000000066682690	penguin:59086	Chas Newkey-Burden
	randomhouse:60058	Chas Newkey-Burden

Name de-duplication



Resolving within and between publishers' data files

Publisher	Number of de-duplicated IDs (across all publishers)	Number of de-duplicated IDs (within publisher)
Atlantic	0	12
Bloomsbury	5409	619
BurleighDodds	0	0
ChannelView		
Canongate	139	0
CUP	3363	2225
DK	398	62
Hachette	1940	746
HarperCollins	2350	119
Kogan Page	0	0
Liverpool University Press	0	4
PanMacmillan	524	33
Penguin	3449	846
Pluto	0	4
RandomHouse	4386	1788
TaylorFrancis	8650	9916
Total	30608	16374

Publisher ID to ISNI

Ongoing work



- Some work on improving of match rates
- Bringing NACO up to date in ISNI and re-run publisher files.
- Some failed matches due to sparse name forms and lack of ISBNs
- Embedding ISNIs in the supply chain (ONIX data)



ISNI in ONIX

Example from Harper Collins



```
<TitleElement>
  <TitleElementLevel>01</TitleElementLevel>
  <NoPrefix/>
  <TitleWithoutPrefix textcase="02">Boy Giant</TitleWithoutPrefix>
  <Subtitle>Son of Gulliver</Subtitle>
</TitleElement>
<TitleStatement>Boy Giant: Son of Gulliver</TitleStatement>

<Contributor>
  <SequenceNumber>1</SequenceNumber>
  <ContributorRole>A01</ContributorRole>
  <NameIdentifier>
    <NameIDType>01</NameIDType>
    <IDTypeName>HCP UK Author ID</IDTypeName>
    <IDValue>4121</IDValue>
  </NameIdentifier>
  <NameIdentifier>
    <NameIDType>16</NameIDType>
    <IDValue>0000000121251907</IDValue>
  </NameIdentifier>
  <PersonName>Michael Morpurgo</PersonName>
  <PersonNameInverted>Morpurgo, Michael</PersonNameInverted>
  <NamesBeforeKey>Michael</NamesBeforeKey>
  <KeyNames>Morpurgo</KeyNames>
</Contributor>

<Contributor>
  <SequenceNumber>2</SequenceNumber>
  <ContributorRole>A12</ContributorRole>
  <NameIdentifier>
    <NameIDType>01</NameIDType>
    <IDTypeName>HCP UK Author ID</IDTypeName>
    <IDValue>1897</IDValue>
  </NameIdentifier>
  <NameIdentifier>
    <NameIDType>16</NameIDType>
    <IDValue>000000012147035X</IDValue>
  </NameIdentifier>
  <PersonName>Michael Foreman</PersonName>
  <PersonNameInverted>Foreman, Micha
    el</PersonNameInverted>
  <NamesBeforeKey>Michael</NamesBeforeKey>
  <KeyNames>Foreman</KeyNames>
</Contributor>
```

Publisher ID to ISNI Next Steps



- Finalise ISNI CIP workflows with BDS for late 2020 go live
- Expansion to other publishers
- Develop workflows for new author registrations
- BL to launch ISNI portal self-registration service – Late 2020
- Options for filling in gaps
 - Priced batch services
 - CIP feedback loop
 - BL ISNI Service Portal



BL ISNI Registration Portal

- Only ISNI Registration Agencies and ISNI Members can register new ISNIs
 - Using ISNI XML via Atom Pub API
 - Submit CSV files
 - Online web interface for individual submissions
- All requests are processed through ISNI matching algorithms to prevent duplication
- Rich metadata is required to assign new unique ISNIs and assure disambiguation



BL ISNI Registration Portal

- As a Registration Agency the BL can mediate for batch or individual requests
- Processing individual requests is currently a manual process
 - Requests mostly via email
- The BL is developing an online service to allow non-members to request ISNIs directly through a mediated interaction with the ISNI database



BL ISNI Registration Portal

- Three main functions:
 - Search for an existing ISNI
 - Add data to an existing ISNI (no changes or deletions)
 - Register a new ISNI
- User experience – online, real time turnaround
- Nominal fee for ISNI registration
- QA support by BL Quality Team

[ISNI Portal](#)



• Questions?