



The British National Bibliography experience in the Share Family linked open data environment

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The BNB and Share Family

What is the British National Bibliography (BNB)?

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Why did we choose the Share Family initiative to host it as linked open data?

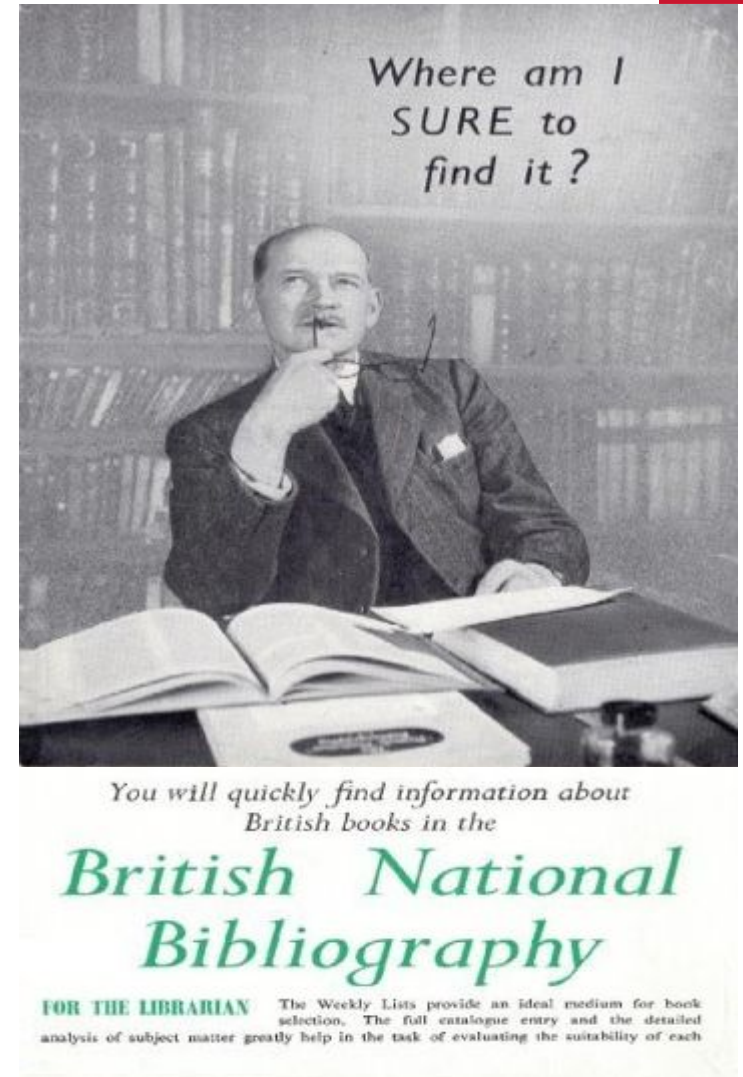
British National Bibliography (BNB)

The British National Bibliography lists:

- books and journals published or distributed in the United Kingdom and Ireland since 1950, including electronic publications (since 2013)
- Cataloguing-in-Publication (CIP) information for forthcoming book titles

It supports:

- collection development
- research
- copy cataloguing



BNB: evolving over time

- a logical evolution: from print (1950) to linked data (2011) via CD-ROM (1989), Web (2008), Z39.50 (2009) and PDF downloads (2010)
- First publication of the BNB as linked open data
 - launched in 2011 in partnership with Talis, later hosted by TSO
 - own data model: still rather flat
 - no affordable path for future development
- 2020: the British Library becomes a member of the Share Family

Why we chose the Share Family

- Affordable
- Collaborative development
- Cultural Heritage focus
- Entified data model: Bibframe & LRM/RDA
- Navigation
- APIs
- Linking (e.g. to other national bibliographies)
- Development path

The BNB in the Share Family environment



Search for people, original works and publications

Publications

Original works

People and organizations

e.g. small island andrea levy



Language

Year

Type

[Advanced search](#)

Explore linked open data for books and journals published or distributed in the United Kingdom and Ireland since 1950, and electronic publications since 2013

[← Back to British Library](#)

[Learn more](#)

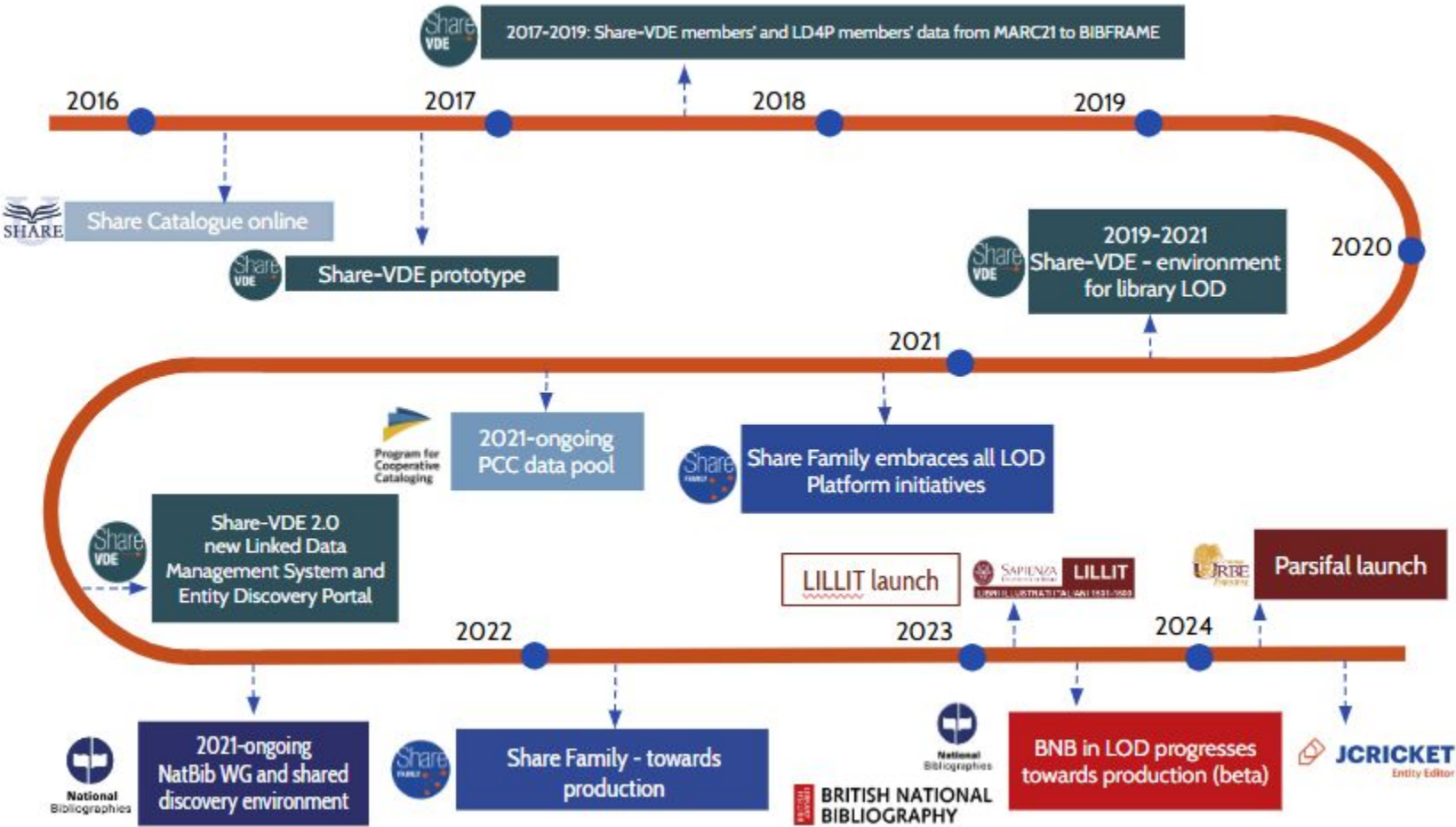
[Options](#) ▾

The BNB in the Share Family environment

- Beta portal: <https://bl.natbib-lod.org/>
 - Searchable by publications, original works and people/ organizations
 - Simple search / advanced search
 - Description of entities (e.g. persons) from Wikipedia
 - Data downloadable one record / page at a time.
- Current status
 - Data delivery: marc records and regular updates
 - Cyber-attack: we have resumed data delivery but postponed the move from beta to production



The Share Family - stepping stones





The Share Family Linked Data Ecosystem



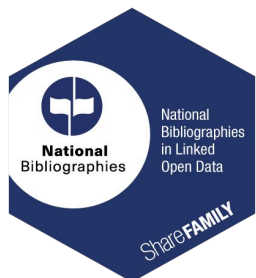
The Share Family is a global community built on collaboration that brings together libraries, archives, museums, consortia and Library Service Platforms (LSP) and joins their knowledge in an ever-widening network of interconnected bibliographic data.

For further details please refer to <https://www.share-family.org> and [the dedicated Share-VDE wiki section](#).



The BNB in the National Bibliographies tenant

- Study and address the needs of institutions that hold National Bibliographies in linked data platforms
- overview document
[National Bibliographies Share Family initiative 2022-June.pdf](#)
- build a shared discovery environment hosting LOD National bibliographies dataset
- the British National Bibliography is the first national bibliography of this Share Family tenant:
 - National Bibliographies tenant - <https://natbib-lod.org>
 - institutional portal for the British National Bibliography <https://bl.natbib-lod.org> (beta version)



The BNB in the National Bibliographies tenant

[Natbib linked data discovery](#) shared among participating institutions

The [BNB - British National Bibliography institutional portal](#)

://www.natbib-lod.org

Search national bibliographies for

Publications Original works People and organizations

e.g. small island andrea levy

Language Year Type

[Advanced search](#)

"A current national bibliography is a mirror that reflects the culture, character and current interest of a country by listing its publishing output." - Barbara Bell. Explore National Bibliographies of Share Family Members.

[Learn more](#) [Options](#) ▾

https://bl.natbib-lod.org

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[← Back to British Library](#) [Learn more](#) [Options](#) ▾



Share Family principles



CO-OPERATIVE

Developed and driven by libraries, for libraries, the Share Family is a growing international community built on collaboration. Participating institutions play an active role in defining the vision, aims and progress of the Share Family and its tools.

The Share Family opens the door to a flexible, sustainable, interoperable and co-operative approach to resource description, with time, expertise and costs shared across the community for the benefit of all members.



SUSTAINABLE



INTEROPERABLE

By implementing the RDF-based BIBFRAME data model and facilitating interoperability with different data models and data pools, resource description can be transformed into Linked Data, increasing the visibility of research and encouraging greater engagement with library, archive and museum collections.

We strive to encourage open access to data, and support diversity by freely sharing information. We apply and support open metadata policies as part of our commitment to enhancing the discovery of library and cultural heritage resources.



OPEN



FLEXIBLE

Enriched and structured data can be re-used in local and external systems, across library types and ILS/LSPs, enabling each institution to maintain control of its own catalogue data.

The quality of data is guaranteed both through advanced technical processes and through collaborative data modeling, enrichment and sharing, handled collectively by member organizations.

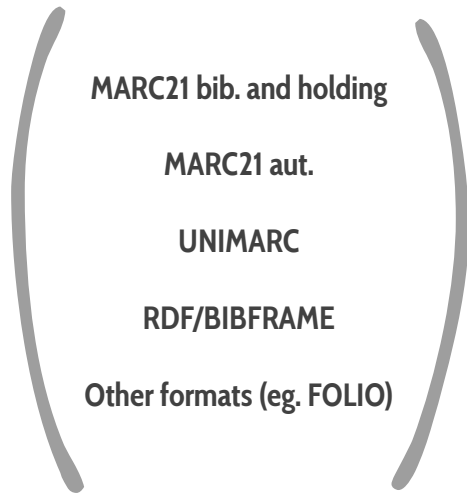


AUTHORITATIVE

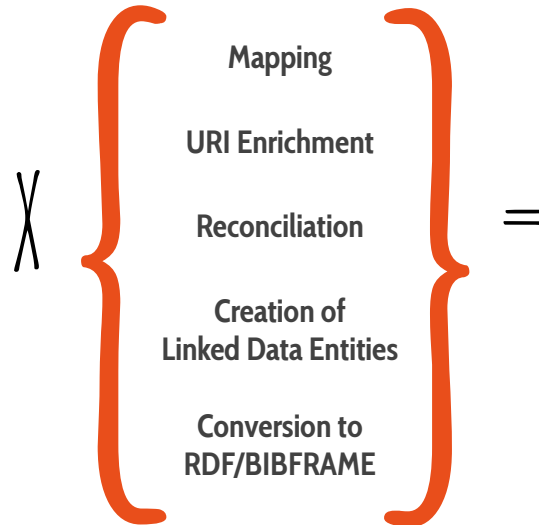


NatBib processes and output

DATA INPUT FROM INSTITUTIONS



LOD PLATFORM SERVICES



RESULTS

[Data Publication]

- End user discovery portals for each initiative of the Share Family
- Search APIs for data consumption (GraphQL, REST, SPARQL)

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[Data Distribution]

- API / protocols for third parties integration (eg. local LSPs and data editor such as Wikidata, Sinopia BIBFRAME editor, FOLIO etc.)
- Downloadable datasets (BIBFRAME/RDF, MARC enriched records)

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[Shared Data Management]

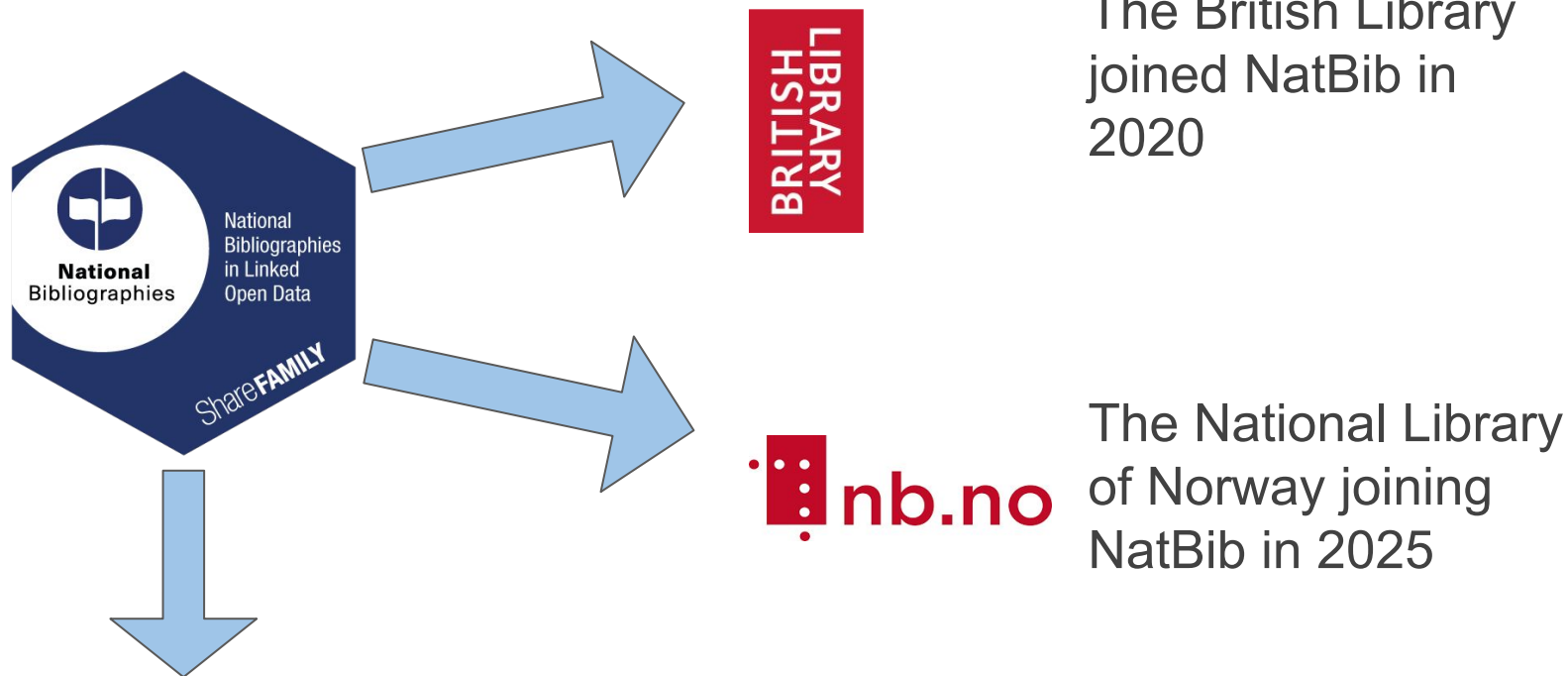
- Editing of Share Family entities with JCricket
- Reuse of Share Family BIBFRAME data in local library systems
- Reuse of Share Family MARC representations in local library systems

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[Additional Services]

- Authority control in MARC and BIBFRAME-based workflows
- SFI - Share Family Index: registry of entity URIs

Expanding the NatBib tenant



The NatBib tenant was created as a hub to support national bibliographies in linked data, where datasets from different institutions live in a shared environment.



Thank you

<https://bl.natbib-lod.org/>

<https://www.bl.uk/>

<https://blogs.bl.uk/digital-scholarship/2023/07/share-family-british-national-bibliography.html>

<https://www.share-family.org/>

<https://wiki.svde.org>

Any questions on the BNB? Please contact metadata@bl.uk

For more info about the Share Family please contact info@svde.org