ENHANCING AND IMPROVING YOUR RAIL KNOWLEDGE

SPARK and the Rail Knowledge Bank

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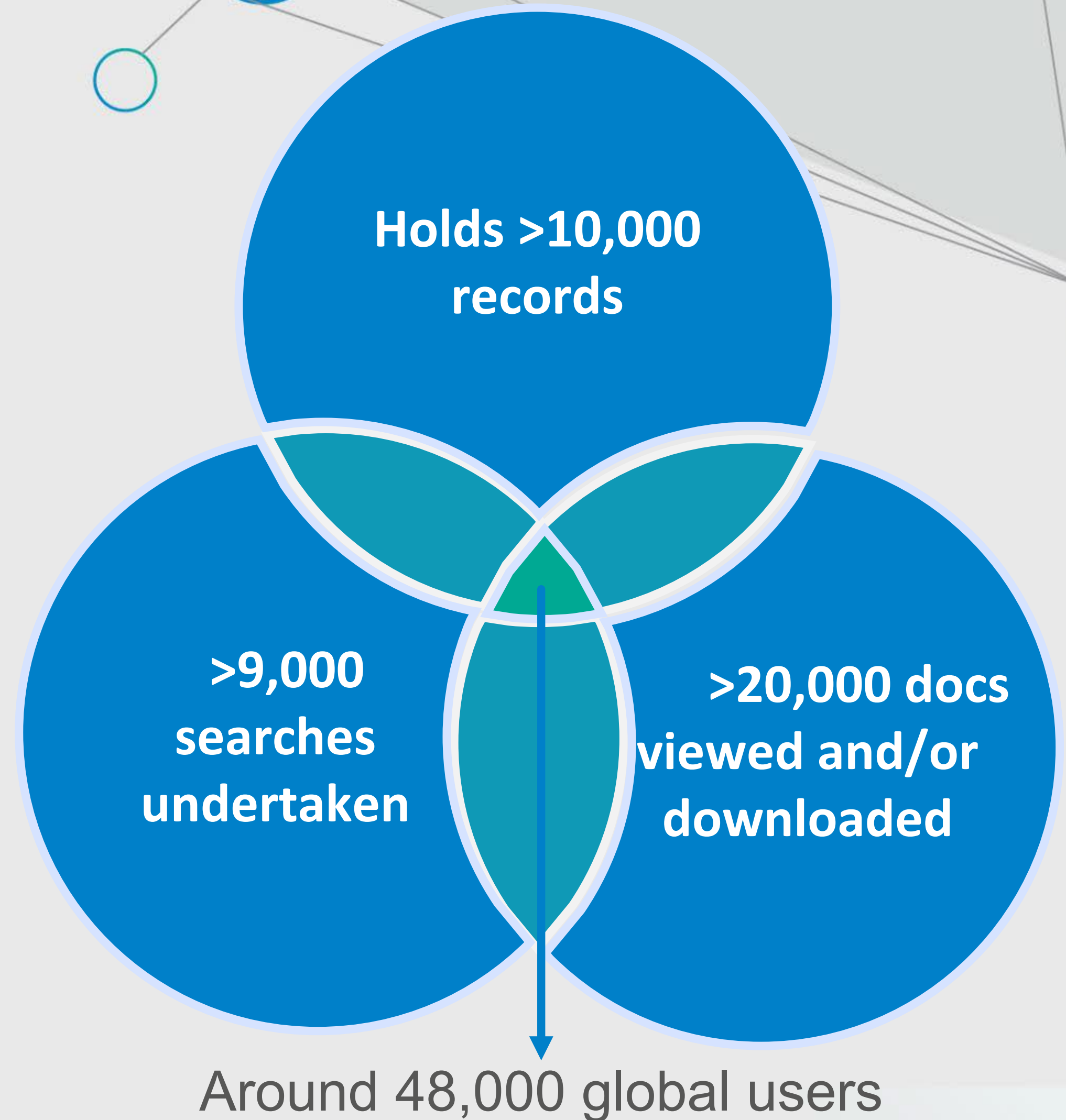
NTRO
NATIONAL
TRANSPORT
RESEARCH
ORGANISATION

Rail Knowledge Bank

Rail Knowledge Bank

Open Access RAIL Catalogue

- **"on air" since 2010** - launched at CORE 2010, Wellington, New Zealand

- Content has grown from an initial small load of 900 records to **>10,000 in 2022**

- Curated and managed database by experienced transport librarians

- **Physical library** located at Port Melbourne, holding hard copy and digital material on land transport.

- Supported by Australian State and Federal Governments

Holds >10,000 records

>9,000 searches undertaken

>20,000 docs viewed and/or downloaded

Around 48,000 global users

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Rail Knowledge Bank

Open Access RAIL Catalogue

Content: quality, peer reviewed material, Australasian focus

- National & international conference papers
- Subscription journals
- Theses
- Papers
- Books
- Research Reports, including ACRI/NTRO Rail

Record: file location:

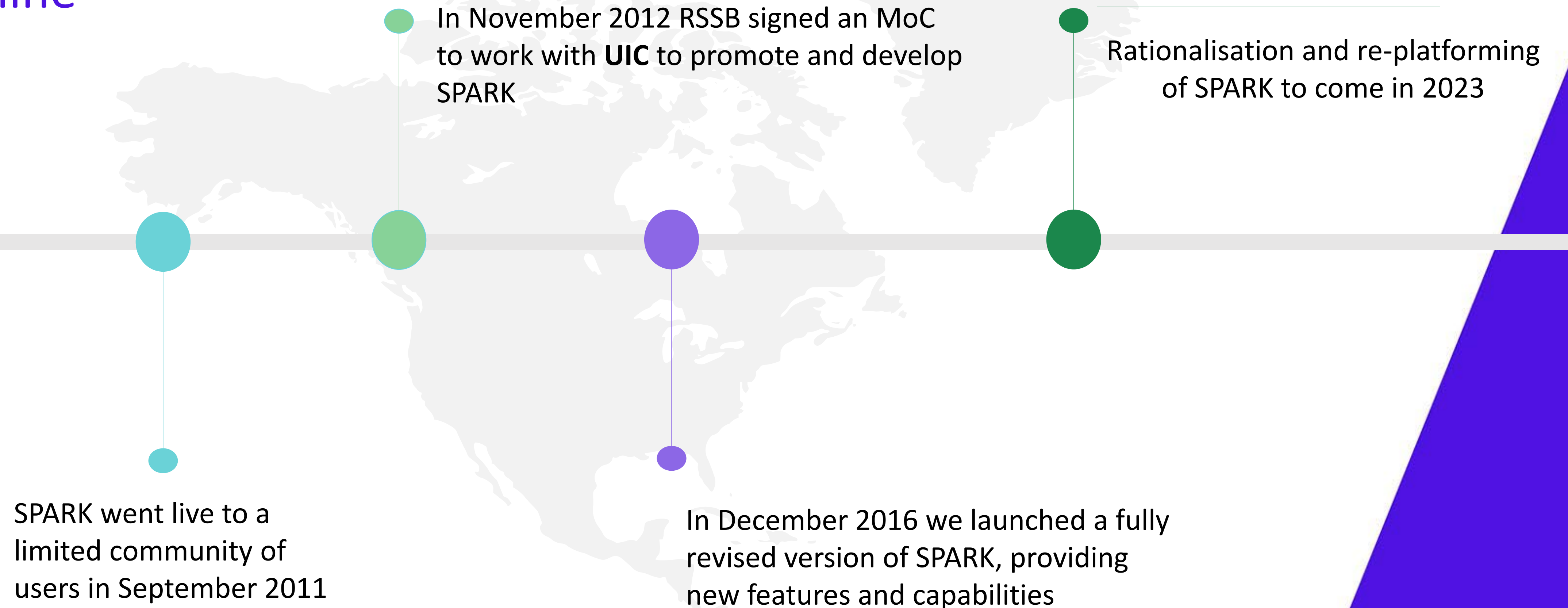- Full text available to most items

https://railknowledgebank.com/

- Rail Knowledge Bank Conferences Collection
  - AITPM (Australian Institute of Traffic Planning and Management)
  - ARRB & Austroads Bridge
  - ARA (Australasian Railway Association)
  - ATRF (Australasian Transport Research Forum)
  - CAITR (Conference of Australian Institutes of Transport Research)
  - CORE (Conference on Railway Engineering)
  - CORE (Conference on Railway Excellence)
  - European Transport Conference
  - HHRC (Heavy Haul Railways)
  - Human Factors
  - IHHA (International Heavy Haul Association)
  - IRSE (Institution of Railway Signal Engineers)
  - Other
  - PATREC (Planning and Transport Research Centre)
  - PWI (Permanent Way Institution)
  - Railway Foundations 2006
  - RISSB (Rail Industry Safety and Standards Board) Rail Safety
  - RTAA (Rail Track Association Australia)
  - WCRR (World Congress on Railway Research)
  - Transportation Research Board Annual Meeting (TRB)
  - World Conference on Transport Research

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SPARK

The Rail Knowledge Hub

SPARK

Timeline

In November 2012 RSSB signed an MoC to work with **UIC** to promote and develop SPARK

Rationalisation and re-platforming of SPARK to come in 2023

SPARK went live to a limited community of users in September 2011

In December 2016 we launched a fully revised version of SPARK, providing new features and capabilities

www.sparkrail.org

SPARK
What is it?

A key resource for the global rail industry to find information and help drive innovation

Free access to **historical rail research** and projects	**20,000** records
Content Collections	Publications, reports and conference papers across 7 topics

Content Collections:
British Rail Research Catalogue
WCRR Conference Papers
Human Factors Conference Proceedings
TRaCCa

Why should you use SPARK and the Rail Knowledge Bank?

What are the advantages of using SPARK and the Rail Knowledge Bank?

Search Term	No of hits							
	SPARK	RKB	Google		Google Scholar		Research Gate	
	Term	Term	Term	Adding "Rail"	Term	Adding " Rail"	Term	Adding "Rail"
Hydrogen	**93**	**338**	667 mill (20 pages)	8.7 mill (15 pages)	4.6 mill	79,800	10 pages	10 pages
Adhesion	**845**	**1470**	381 mill (21 pages)	2.1 mill (13 pages)	3.3 mill	36,900	10 pages	10 pages
SPAD	**1062**	**150**	9.8 mill (16 pages)	218,000 (12 pages)	119,000	2440	10 pages	10 pages
Route Knowledge	**190**	**60**	69,400 (10 pages)	16,800 (11 pages)	5890	575	10 pages	5 pages

Demonstration

Please share any questions via the chat

Questions?

Rail Knowledge Bank

Site: https://railknowledgebank.com/
Email: rail@arrb.com.au
Guidance: https://www.youtube.com/watch?v=V81WIqz4-Qo

SPARK

Site: www.sparkrail.org
Email: spark@rssb.co.uk