

Enabling quality research through collaboration, insight and innovation

SIRCA is an independent and leading provider of online financial data and analytical services to academia. SIRCA has enhanced the ability to support data intensive research at the most prominent universities worldwide. With the release of extensive new data collections and a world leading, cloud based analytics platform SIRCA will enhance its mission of providing cost effective data and analytics. Rozetta, the commercial arm of SIRCA utilized the decades of experience in data and analytics to build this new platform.

Achieving global recognition

Australian made, globally cited; SIRCA data is extensively used throughout North America, Europe and Asia-Pacific. Since 1997, SIRCA has provided data services to top scholars from leading universities around the world. Academics from over 60 institutions including Oxford, Berkeley, Washington, Nanyang, UNSW & Melbourne have benefited from SIRCA data with over 1600 papers published in respected journals.

New tools to drive innovation and insight

A powerful new Databricks analytics engine is integrated with the Gateway. Databricks was founded out of the UC Berkeley AMPLab by the team that created Apache Spark. Databricks is a commercial grade SaaS solution. There's no need to download data, copy it, back it up or set up your own computing resources. You can create advanced analytics in the cloud or download and work offline in your environment.

Databricks changes the game completely:

- Work with large analytic datasets with greater granularity and instruments
- Run simple SQL queries or advanced analytic programs written in R, Python or Scala
- Join data sets based on your own logic
- Speed up queries with faster processing power
- Improve teamwork with an integrated, multi-user workspace
- Achieve transparency through notebook sharing
- Coming soon – the ability to import external data

Consistent data with cloud based analytics drives ground breaking research



Explore

New Databricks analytics engine integrated into the Gateway allows you to swiftly explore in the cloud. No need to download data or set up your own environment – SIRCA's new Gateway on the Databricks Platform changes the game completely.



Analyse

Analyse data using pre-defined notebooks created by SIRCA. For advanced analytics, use SQL, R, Python or Scala to write your own scripts, use the extensive software library available in the open source community to achieve unparalleled insights.



Visualise

Leverage a wide assortment of point and click visualisations or use powerful scriptable options, or your own favourite tool to bring your research to life. The new Gateway has best of breed visualisation tools built in so that you can strengthen your research with unique data sets and bring your work to life.



Collaborate

Academics can achieve a better level of collaboration with nominated colleagues using SIRCA's new Gateway. Downloads and transferring data are no longer required and you can work on the same notebook in real time while tracking changes with anyone in the SIRCA academic community. Collaborating with your peers also facilitates peer review.

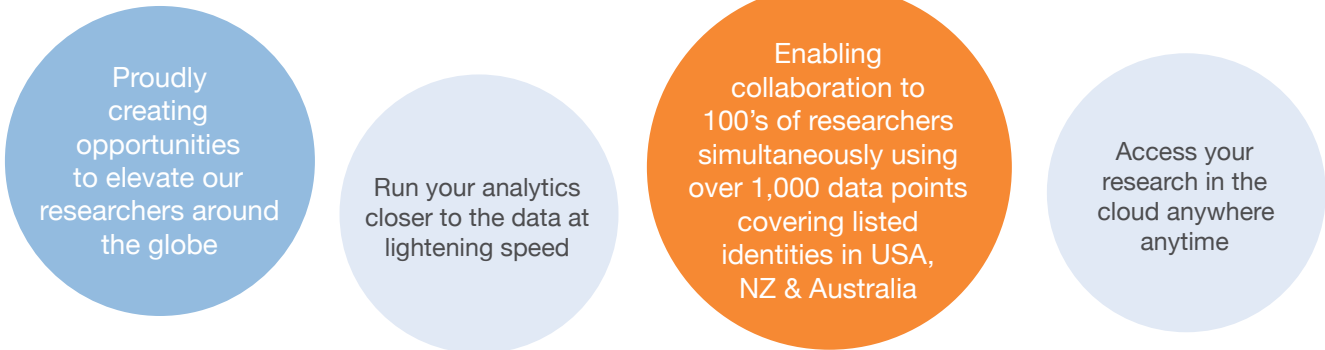


SUPERIOR DATA POWERS SUPERIOR RESEARCH

Bigger and better data. Comprehensive data sets cover all financial aspects of a company with common identifiers. New Data collections from Morningstar covering, finance and accounting data from Australia, New Zealand and USA. The new Morningstar data collections augment the existing quality sources of data such as Thomson Reuters, ASX, NZX, Chi-X, CoreLogic and SIRCA curated data.

Exceptional research requires Superior data

Data Collection Name	Data Collection Description
Company Fundamentals	Includes extensive coverage of more than 670 standard data points for all financial line items. Data is sourced from Morningstar directly from company balance sheets, income statements, statements of cash flows. Morningstar's robust financial statement data and calculation methodologies includes earning reports, and over 100 pre-calculated ratios covering operational, valuation and growth aspects of the business. Geographic coverage includes Australia, New Zealand & United States. For Australia & New Zealand, the data includes, auditor remuneration, audit opinion, audit partner.
Corporate Actions	Global Corporate Actions data delivers split, dividend, rights, spin-off, and mergers and acquisitions. The integration of Morningstar's Price Data with the Global Corporate Actions database provides researchers with access to both raw and adjusted price history. Geographic coverage includes Australia, New Zealand & United States. For Australia & New Zealand, it includes history of capital changes.
Returns	The robust database contains daily historical prices dating back to 2000 (for most exchanges) and earliest prices on US exchanges span back as far as 1962. Key Data includes end of day price, total return, standard deviation, average, volume and beta, trailing weekly/monthly/annual returns. 1M/3M/6M/1Y/2Y/3Y/5Y/7Y/10Y/Annualised since inception returns for all companies in Australia & New Zealand, sourced from Morningstar Australia.
Price	End of day prices, open, high, low, close and volume as well as history for Australia, New Zealand & US markets sourced from Morningstar. SIRCA's ASX Full Order Book information starting from 1997 till April 2016, includes market depth, time & sales, time bars (1 day, 1 hour & 1 minute). SIRCA; ASX End of Day data covering 2014-2016. ASX dilution factors.
Reference	Leveraging its proprietary reference database, Morningstar's Reference data feed delivers key identifiers at the company and share class level. The reference packages are the backbone to more granular equity data, providing the structure needed to identify and map investments, including the Morningstar Security ID which provides a unique key to access data across Morningstar's data sets. Shares outstanding & market capitalisation information.
Company Ownership	Ownership summary, details, and insider trading activities — Morningstar Ownership data provides access to equity ownership information for over 1000 institutions in US, Australia & New Zealand by collecting portfolio holdings information on various types of investments such as insurance products, mutual funds, pension funds, separate accounts, and more. Key data includes: institution shares bought, institution shares sold, number of inside buyers, number of inside sellers and short percentage of float.
Corporate Governance	Includes SIRCA curated dataset for Australian listed companies covering directors, board committees, auditors, insider holdings, executive & director compensation & substantial shareholders. Morningstar sourced information includes changes in directors & insider trading information.
Property	Portfolio data gathered for ASX listed property trusts and equity investment companies by Morningstar. Top 10 holdings by market value and others. Examples of sector breakdown for property trusts includes retail, industrial, commercial. Leading property and data analytics provider, CoreLogic providing data for Australia and New Zealand is also available.
Funds	Information on Australian managed funds: Key data includes details of funds, fund description, performance, unit price and distribution.
Company Announcements	Morningstar Announcements package includes daily ASX announcement feeds, announcements on periodic financial reports including market sensitive announcements.



What do SIRCA members think?

“The SIRCA Gateway provides a truly unique opportunity for anyone who wants better insight into large-scale and complex financial markets data. It not only provides new and extensive data sets, it allows researchers to save time, control their analytics using their preferred programming language, and collaborate more easily.”

Professor Stephen Taylor, Professor of Financial Accounting, UTS

“We are delighted to see the new data collections and the addition of US and New Zealand data in the offering given the relevance to our local researchers.”

Professor Henk Berkman, University of Auckland

SIRCA’s new data & analytical architecture



SIRCA DATASETS

COMPANY FUNDAMENTALS	RETURNS	REFERENCE
COMPANY OWNERSHIP	CORPORATE ACTIONS	COMPANY ANNOUNCEMENTS
PRICE	CORPORATE GOVERNANCE	FUNDS
PROPERTY		

DATABRICKS ENTERPRISE SECURITY FRAMEWORK

SIRCA in the Community

Sponsorship

SIRCA proudly supports the Phillip Brown Prize for the Best Published Paper - an annual award for the best paper published using SIRCA data. SIRCA partners annually with the Accounting & Finance Association of Australia and New Zealand (AFAANZ) and are proud partners of the Financial Research Network (FIRN). SIRCA supports our membership base through participation in regional conferences and best paper awards.

Young Researchers Programme

The Young Researchers Programme consists of various events to provide opportunities to further develop and enhance research skills. SIRCA's annual Pitching Research Symposium, facilitates idea generation and helps young researchers explore ways to pitch their ideas. SIRCA's annual Young Researchers Workshop (YRW), provides an excellent platform for young researchers to gain experience in presenting while receiving feedback from the acclaimed academics of the SIRCA Membership and Research Committee.

Data Smart Program

SIRCA now provides, on a chargeable consultancy basis, the ability to accept a brief and create bespoke analytical research input. This could include building a fully developed analytics model or supporting an academic to develop their own model. Models can be developed in R, SQL or Python.

RoZetta

RoZetta is the commercial arm of SIRCA and built the new Gateway. RoZetta's focus is on creating private benefit, while promoting public good.

RoZetta looks at the torrent of big data and sees opportunity - by developing customised solutions to load, transform, store, secure, share, analyse and link data sets so that enterprises and governments can derive meaning out of data and extra value from it.

Training

The SIRCA Gateway provides you access to a number of videos so that researchers can train at their own pace. There are a number of notebooks that have been built for beginners and advanced users so you can choose the level of analytics required.

There is also a wealth of training materials available online from Databricks and third parties. We keep members abreast of some of our favourites on sirca.org.au/training.

About US

SIRCA is an independent and leading provider of online financial data services to the research community, incorporated in 1997 by a small group of collaborating Australian and New Zealand universities. SIRCA is a not-for-profit company that was created to host and manage share price data from the Australian Securities Exchange (ASX) and has grown to serve almost all the universities in Australia & New Zealand. With the support of commercial organisations, SIRCA provides its members with vast and comprehensive global news and financial markets data.

Getting access to the SIRCA Gateway

Existing Users: If you have used the original SIRCA member portal via an email, you will be invited to register for the new platform.

New Users: If you have never used SIRCA and would like access, please contact the SIRCA Representative at your university.

Contact Details

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