Newest developments for finding relevant content and for Research evaluation

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Product specialist

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Thomson Reuters:
Supporting the entire academic enterprise

- We provide our customers with content, tools and services that inspire discovery, foster collaboration and guide key strategic decisions.

Supporting over 5,600 universities, governments and research institutions from more than100 countries

Over 50 Years Of Experience In Citation Indexing, Analysis, And Metrics

- In 1955, Dr. Eugene Garfield revolutionized research with his concept of citation indexing and searching, giving birth to the *Science Citation Index*®
- Thomson Reuters introduced the first ever research evaluation tool on the Web
- *Web of Science is* the largest citation database with over 800 million cited references from 1900 to 2010

The Web of Science

A unique solution used by more than 3800 international institutions, as a discovery tool and the basis for research evaluation

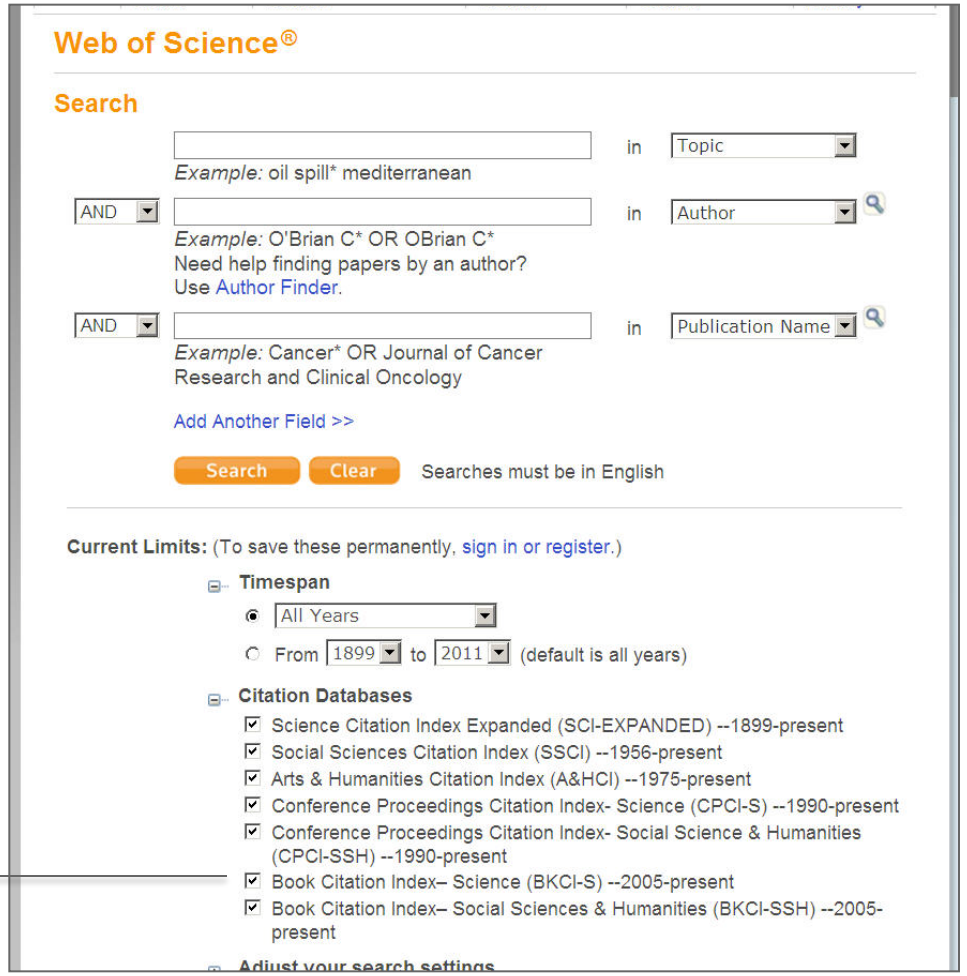
Journals, Conference proceedings and now ***books***

WEB OF SCIENCE

Introducing The Book Citation Index

The influence of scholarly books is clear, as is their integration with journal and proceedings literature.

We bring these resources together in web of knowledge, with introduction of the book citation index.



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WEB OF SCIENCE

Introducing The Book Citation Index

- Science and Social Science and Humanities back to 2003
- Comprised of scholarly books.
  - Both multi-authored and single-authored
  - Series and non-series

- Full indexing of Books and individually-authored Book Chapters.
  - Capture of all fundamental bibliographic information as well as ***author cited references***.

- 30 000 books. (10 000 added every year)
- 58% in Social Sciences and Humanities

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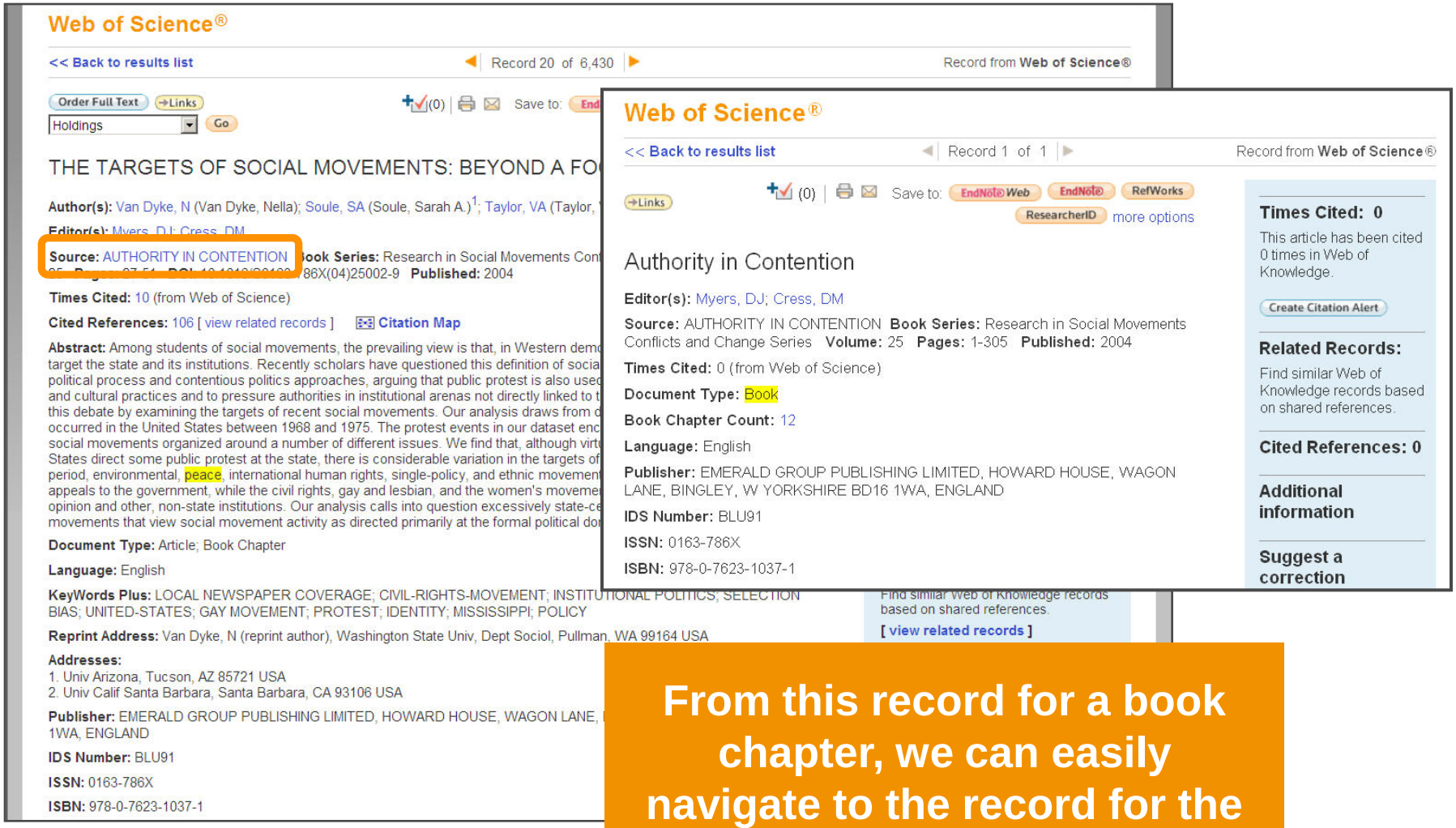
Introducing The Book Citation Index



From this record for a book chapter, we can easily navigate to the record for the entire volume of the series…

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WEB OF SCIENCE
Introducing The Book Citation Index

This article has been cited by articles indexed in the databases listed below. [more information]

8,575 in *All Databases*

8,155 in *Web of Science*

- **7,850** in *Science Citation Index Expanded (SCIE), Social Science Citation Index (SSCI),* and *Arts & Humanities Citation Index (A&HCI)*
  - **7,838** in *Science Citation Index Expanded (SCIE)*
  - **30** in *Social Science Citation Index (SSCI)*
  - **2** in *Arts & Humanities Citation Index (A&HCI)*
- **580** in *Conference Proceedings Citation Index - Science (CPCI-S); Conference Proceedings Citation Index - Social Science & Humanities (CPCI-SSH)*
  - **579** in *Conference Proceedings Citation Index - Science (CPCI-S)*
  - **6** in *Conference Proceedings Citation Index - Social Science & Humanities (CPCI-SSH)*
- **42** in *Book Citation Index– Science (BKCI-S); Book Citation Index– Social Sciences & Humanities (BKCI-SSH)*
  - **42** in *Book Citation Index– Science (BKCI-S)*
  - **4** in *Book Citation Index– Social Sciences & Humanities (BKCI-SSH)*

672 in *BIOSIS Citation Index*

550 in *Chinese Science Citation Database*

Complete integration of book citations in the Web of Science tools

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The business of science

Practice of Science **Business of Science**

Discovery | Authoring & Publishing | **Performance Evaluation**

National Institutes of Health — Turning Discovery Into Health | Springer | Penn | CHINESE ACADEMY OF SCIENCES | PEKING UNIVERSITY

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INTEGRATED TECHNOLOGY INFRASTRUCTURE

The research assessment need

Today's research landscape is increasingly global, dynamic and rapidly changing:

- **Competition:**
  - Funding: Budgetary pressures are increasing but availability of funding is decreasing
  - Talent: competition for top students and research faculty is on the rise
- **Accountability:**
  - Research spending
  - Demonstrating return on investment (ROI)
- **Quantifying Quality:**
  - Research Assessment Exercises
  - To attract prospective students, researchers and faculty members
  - Investors/donors

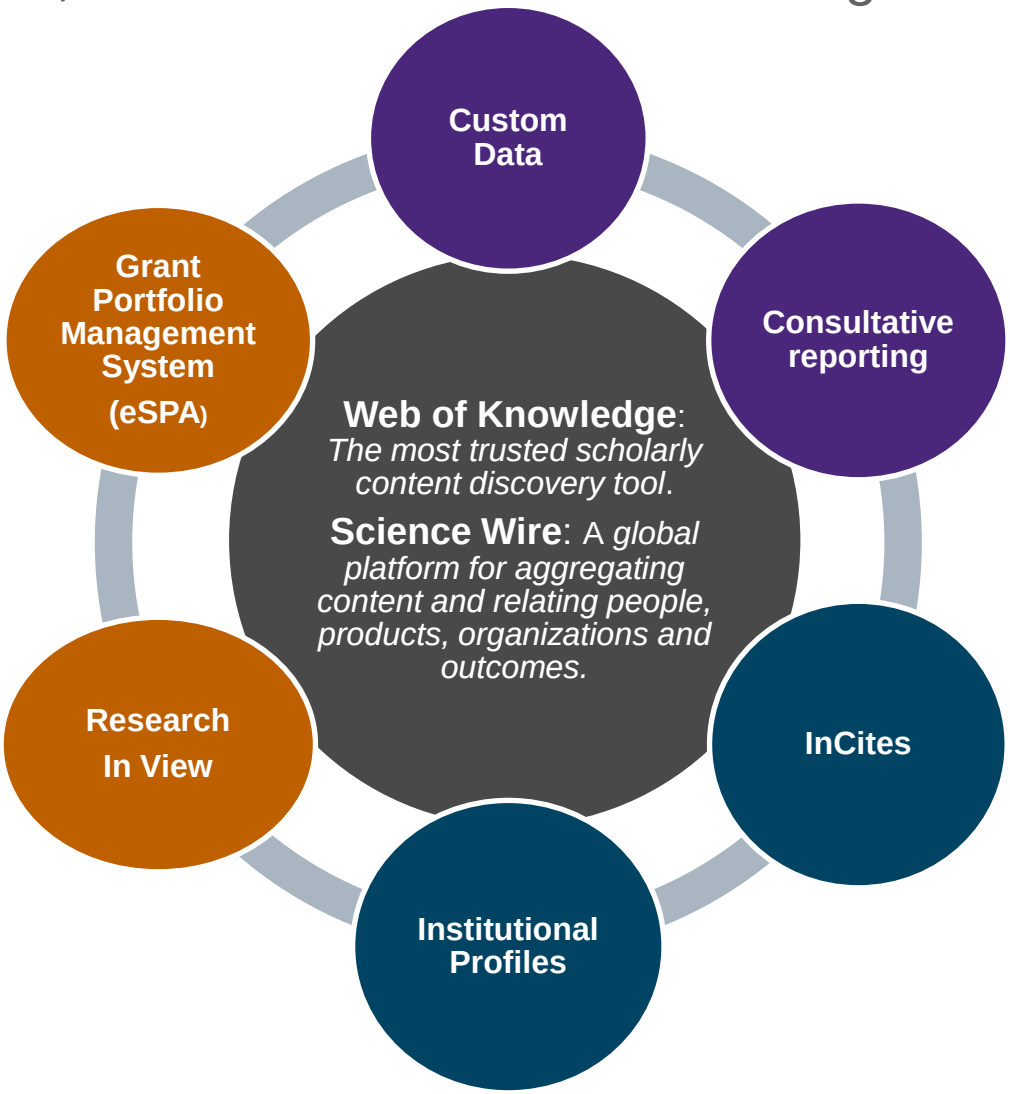
How our customers want to meet these challenges

Academic institutions, government entities, and all others with a stake in research **need reliable, objective methods for managing and measuring performance**. They are looking to:

- Aggregate, track, and analyze output and impact
- Create systems to do this
- Develop Reports
- Develop strategic partnerships
- Benchmark against peers & aspirational peers
- Identify & promote competitive advantages
- Make key strategic decisions (investing, tenure, resources, etc.) based on quantifiable evidence

Research Analytics Solutions

a continuum of products, tools, and services supporting strategic research decisions, and the evaluation and management of research



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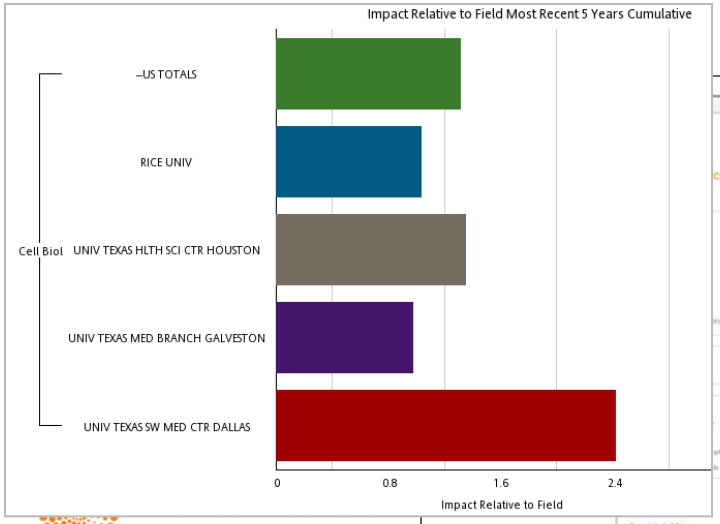
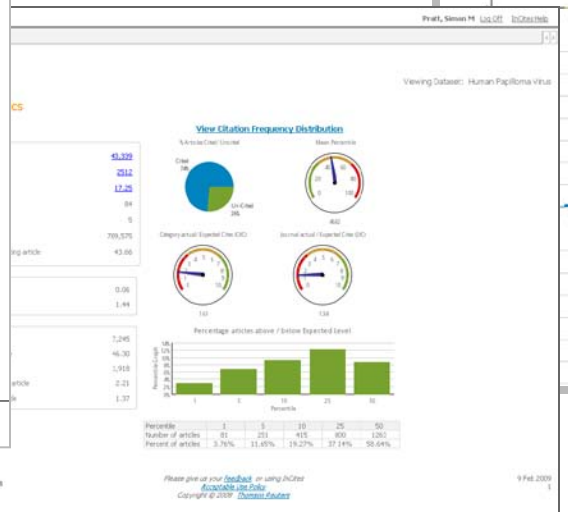
InCites

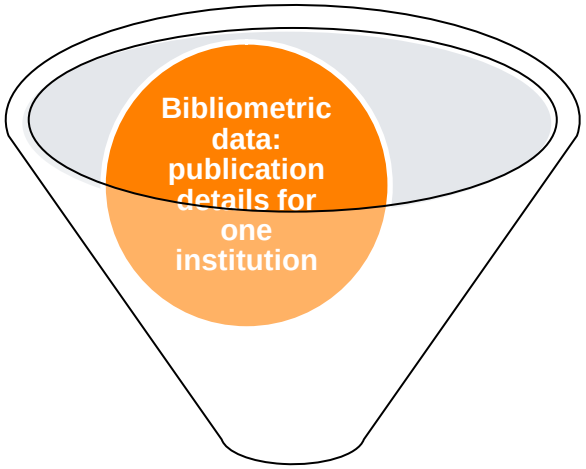
A web-based research evaluation tool for detailed bibliometric analysis and reporting on your research output.

- How does my institution compare to peer institutions?
- How does the research impact of different disciplines in my institution compare to each other?
- How does Dr. Smith's research performance compare to Dr. Jones'?
- What has the organization published? What is the impact of that output? What disciplines are represented? What journals?
- Whom are we collaborating with most effectively?



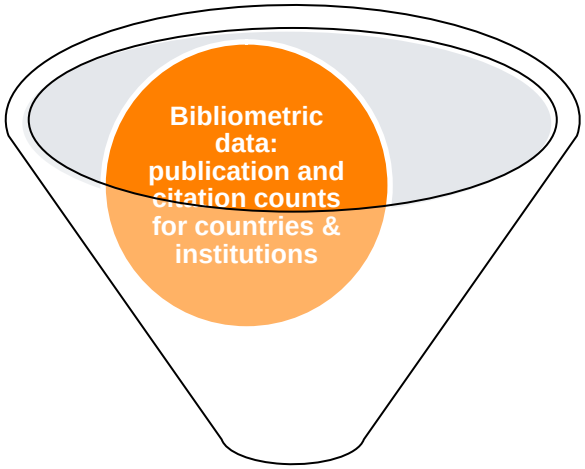


InCites components



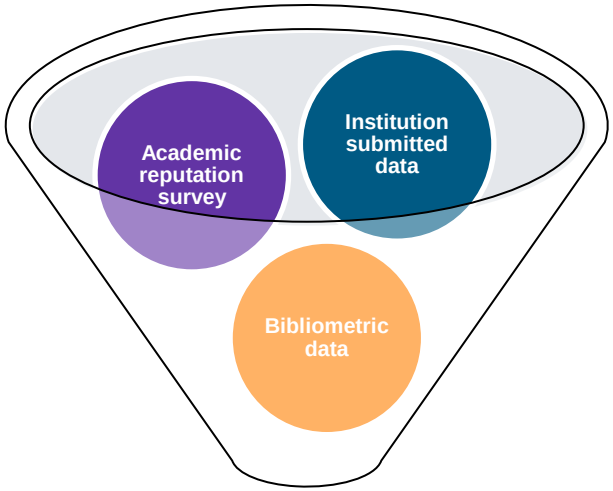
Research Performance Profiles

- *Bibliometrics Driven*
- ***Internal View*** - Data for your institution's published work.
- ***Granular***
- **Collaboration** data.
- ***Customized***
- ***Current*** Updated Quarterly



Global Comparisons

- *Bibliometrics Driven*
- ***Comparative*** *across institutions and countries.*
- ***Top-Level*** global data
- ***Standardized*** annual production
- ***Diverse,*** multiple perspectives



Institutional Profiles

- ***360° View of the world's leading research institutions.***
  - ***Academic Reputation Survey***
  - ***Institution Submitted Data*** (funding, staffing, …)
  - ***Bibliometrics***

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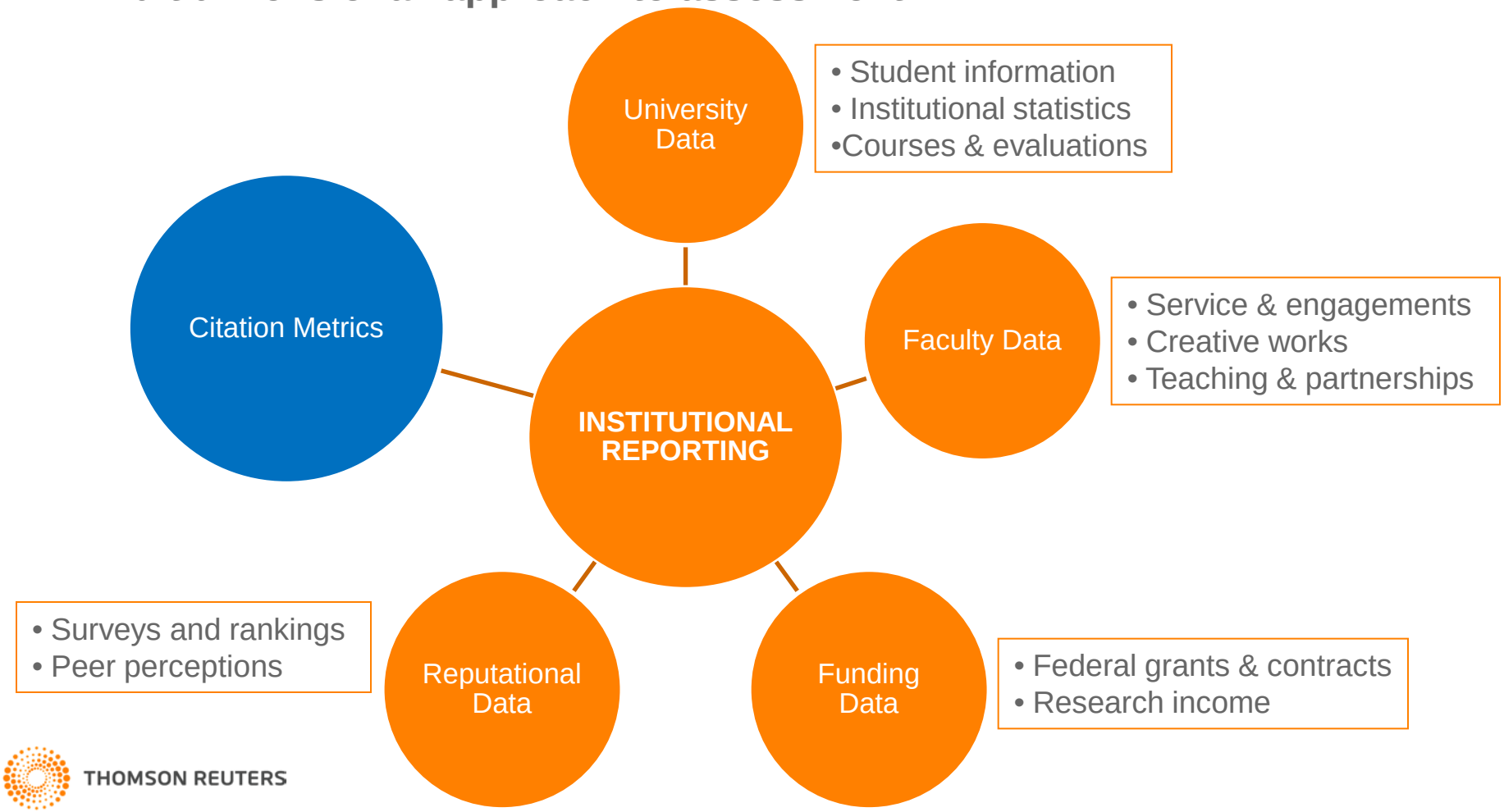
When Institutions Need To Go Beyond Citation Metrics

Additional information and data sources provide context for a multidimensional approach to assessment



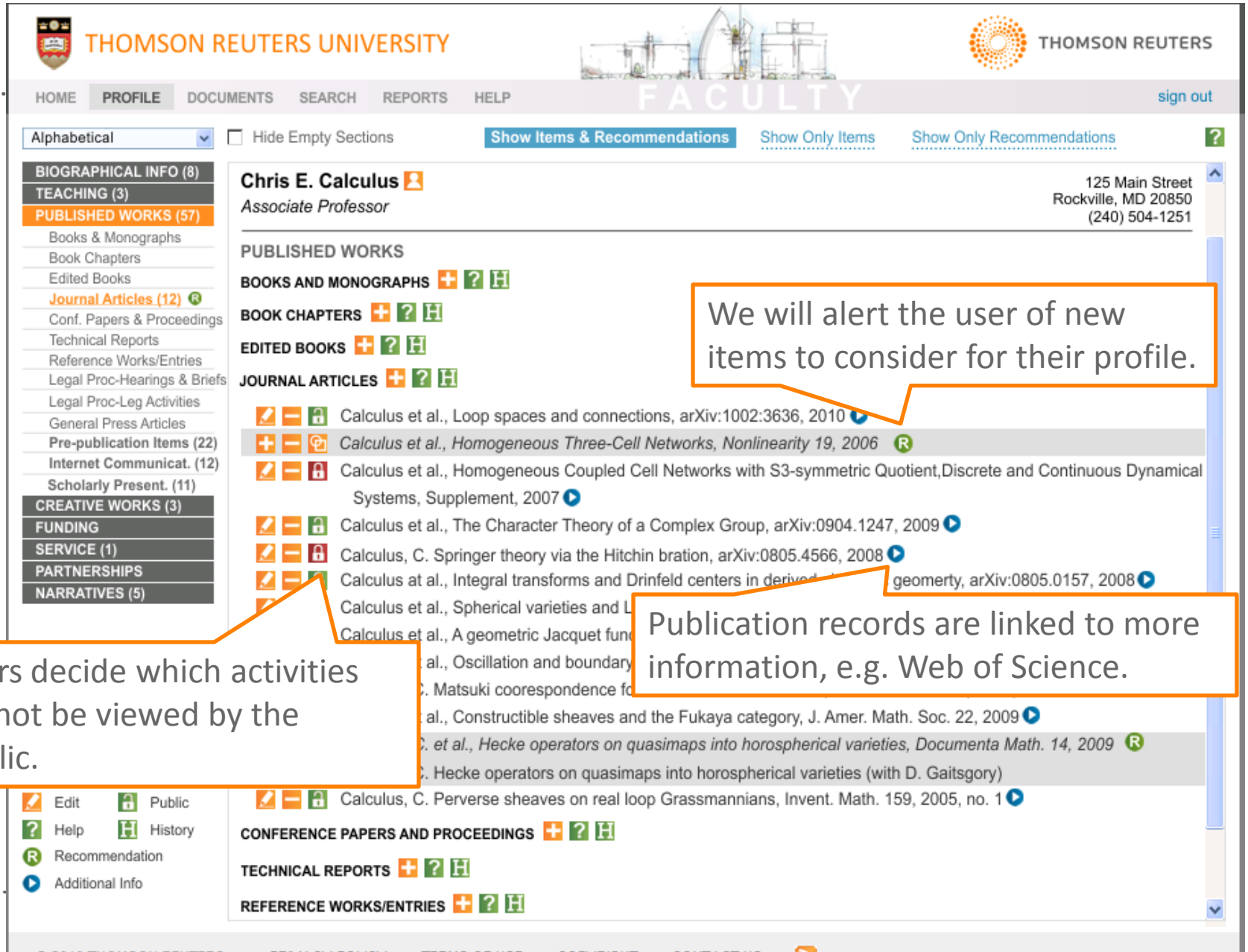
Research In View – enterprise-wide research management system

Research In View is a hosted solution that provides a standard data model and tools to build and maintain profiles of faculty service, teaching, and research activities.

Research In View supports faculty and administrative reporting and workflows such as biosketches, CVs, web sites, annual review, and strategic reports.

Research In View is integrated with Web of Science and ScienceWire patent, book, and grant data sources, ResearcherID, and your institutional data systems.

Example of faculty profile



Custom projects and consultations

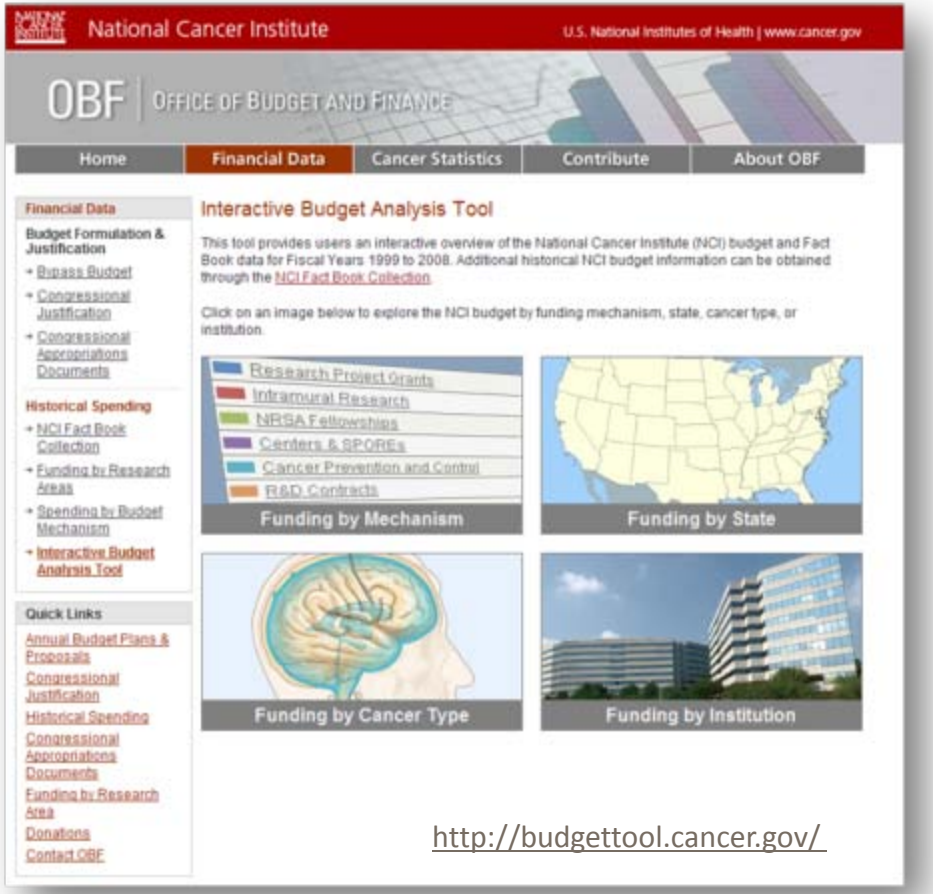
- Raw data access for in-depth analysis
- Customized datasets or consultative reports based on specific requirements

Data derived from:

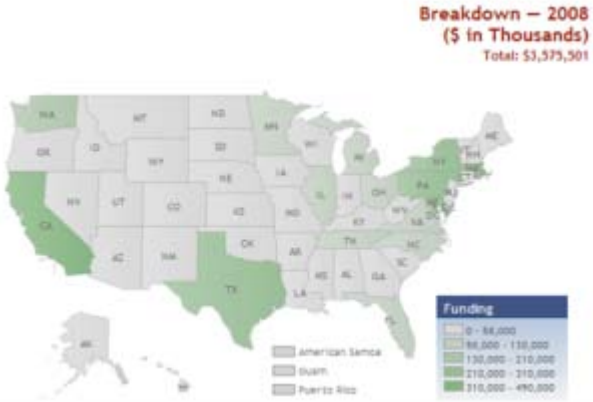
  - Web of Science
  - Journal Citation Reports
  - Medline
  - US awarded grants (NIH, NSF, etc.)
  - US Patent and Trademark Office

NCI Budget Tool

An interactive public portal for exploring NCI funding by mechanism, location, cancer type, and institution.

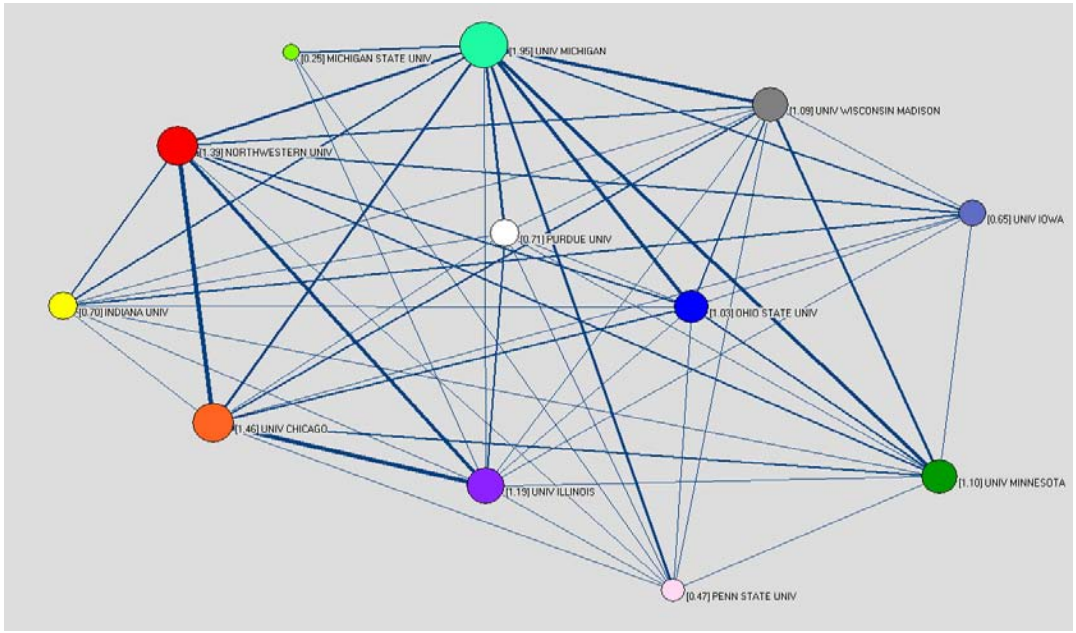


http://budgettool.cancer.gov/



Funding Category	Funding	% of Total
Research Project Grants	$2,089,859	43.3 %
Intramural Research	$718,372	14.9 %
Other Research	$238,247	4.9 %
NRSA Fellowships	$69,901	1.4 %
Career Programs	$79,528	1.6 %
Centers & SPOREs	$477,034	9.9 %
Research & Development Contracts	$444,185	9.2 %
Cancer Prevention and Control	$471,515	9.8 %
Research Management and Support	$230,991	4.8 %
Buildings and Facilities	$7,920	0.2 %
Construction	—	—

Grant Network Analysis



NETWORK COMPONENTS

- Nodes = Universities
- Links = publications acknowledging NIH grant support
- Line width shows the strength of the collaboration (# of mutual pubs)
- Node diameter is proportional to the total # of mutual pubs for each university. The number in brackets indicates the relative size compared to the mean value.

	IND	MSU	NWU	OHU	PENN	PURD	UCH	UILL	UIOW	UMICH	UMIN	UWM
Degree	9	2	9	10	7	8	10	11	8	11	9	10
BC	0.005	0.000	0.008	0.013	0.002	0.005	0.013	0.095	0.000	0.095	0.005	0.013

- Collaboration activities between CIC institutions can be regarded as a 'strong' collaboration cluster.
- The strongest collaboration is between Univ. Chicago and Univ. of Illinois
- Univ. Michigan has overall the largest amount of papers with co-authors from CIC, while Purdue. University has the strongest ties in terms of percentage of publications
- Michigan State Univ., Penn State Univ., and Univ. Iowa has a weak collaboration with other CIC institutions.

Thank you!