Using scientific literature to optimize your competitive advantage

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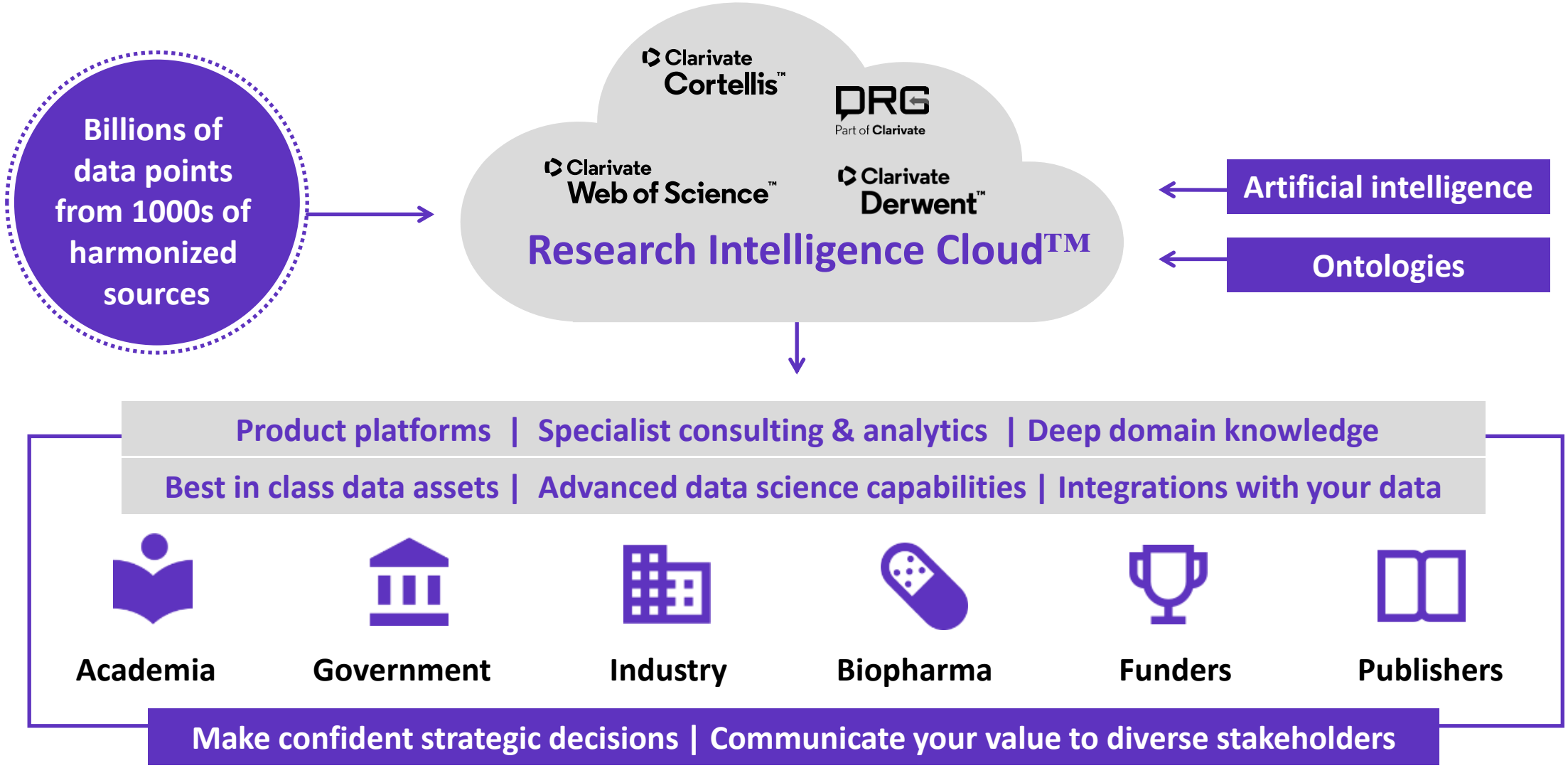
May 18, 2021



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Web of Science platform content

Gain a comprehensive view of worldwide research across the sciences, social sciences, and arts & humanities

34,350+
Journals across the platform

97 million
Patents for over 48 million invention families

21,500+
Total journals in the *Core Collection*

12 million+
Data Sets and Data Studies

2.0 billion+
Cited references

Backfiles to 1900
With cover-to-cover indexing

180 million+
Records

225,000+
Conference proceedings

16.5 million +
Records with funding data

124,000+
Books

Clarivate™

Statistics as of April 2021

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Meticulous metadata construction

View the complete research landscape on any topic, and conduct powerful analysis

Cited references for all papers back to 1900 help you discover the origins of today's scholarly research.

All author names and addresses captured for all papers ensures that your high stakes decisions are the right ones.

Funding data from 2008-present enables you to understand the funding landscape and connect outputs to grants.

Standardized author affiliations save you time compiling productivity statistics.

Cover-to-cover indexing provides you with the certainty that your discovery and analysis is free of any hidden gaps.

Daily updates equip you with information on the latest breakthroughs.

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Using Web of Science

Research Landscape Analysis

Thought Leader Identification

Research Funding Analysis

Analyze the scientific literature to gain strategic research intelligence

- What's the newest research coming out of academia, government, industry, not-for profit in a field?
- How do corporate organizations collaborate with academia, government, and non-profits in this space?

- Who are the Key Opinion Leaders in my interest areas?

- Which funders sponsor research in our specialty areas?
- How do research corporations benefit from agency funding?
- Which institutions conduct research using competitive funding or benefit from our funding portfolio?

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Research Landscape in the Web of Science

Example: additive manufacturing

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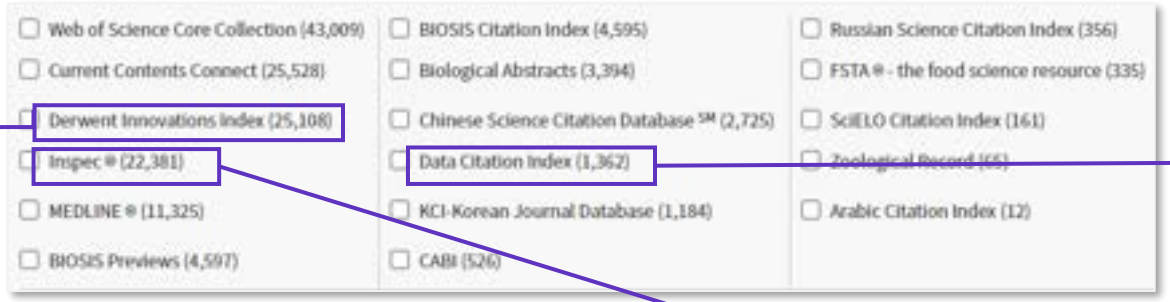
Expanding your search in the Web of Science

All Databases

Example: “additive manufacturing” OR “3D printing”=79,112 results



Data Citation Index provides links to datasets, data studies and software

Derwent Innovations Index provides descriptive information and coding

Inspec provides classification codes and specialized indexing

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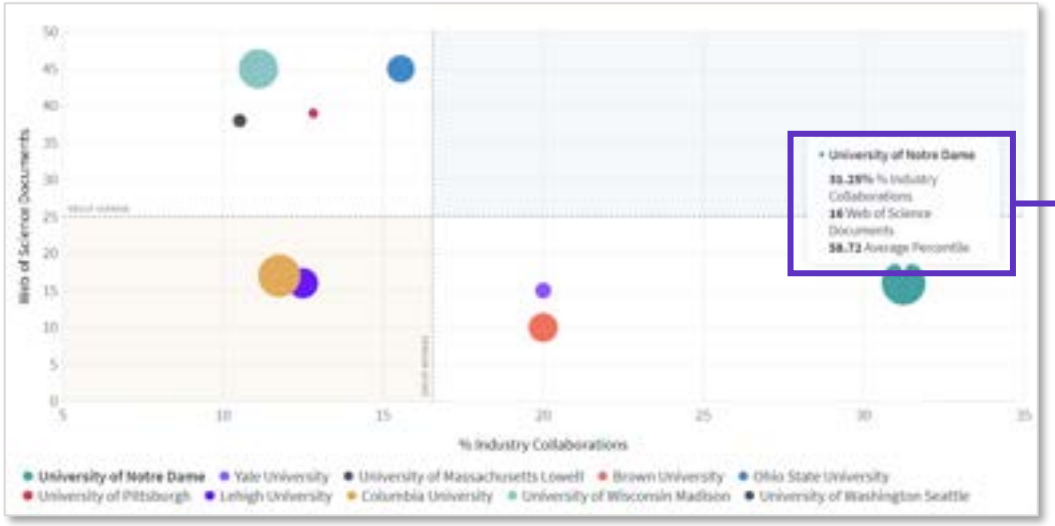
Research Landscape Analysis

Example: additive manufacturing

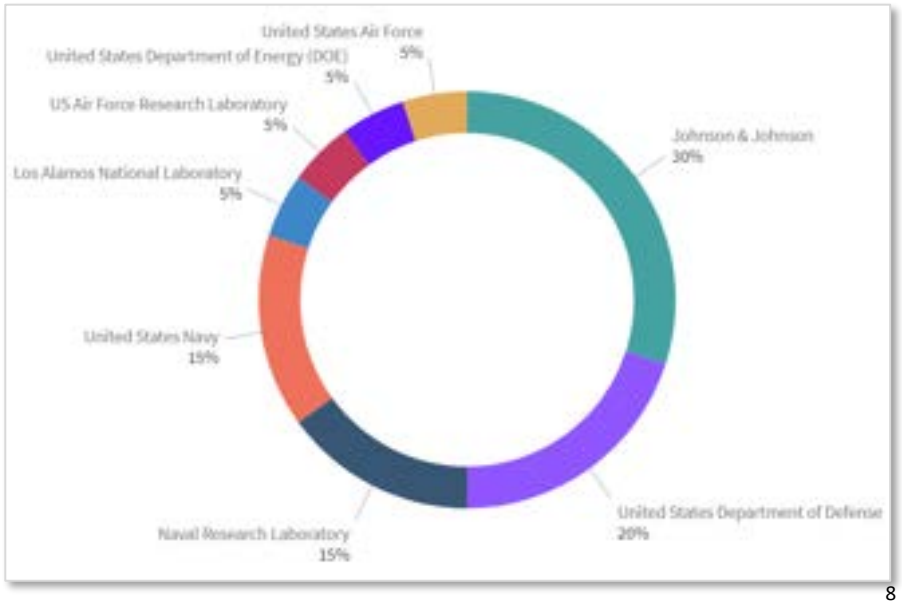
Identify the top producing and most impactful organizations in a research area

How do corporate organizations collaborate with academia?

Top USA academic organizations in additive manufacturing with industry collaborators



Re-focus your analysis to identify which industry, government and non-profit organizations are collaborating on this research with Notre Dame



Thought Leader Identification in the Web of Science

Example: polyurethane

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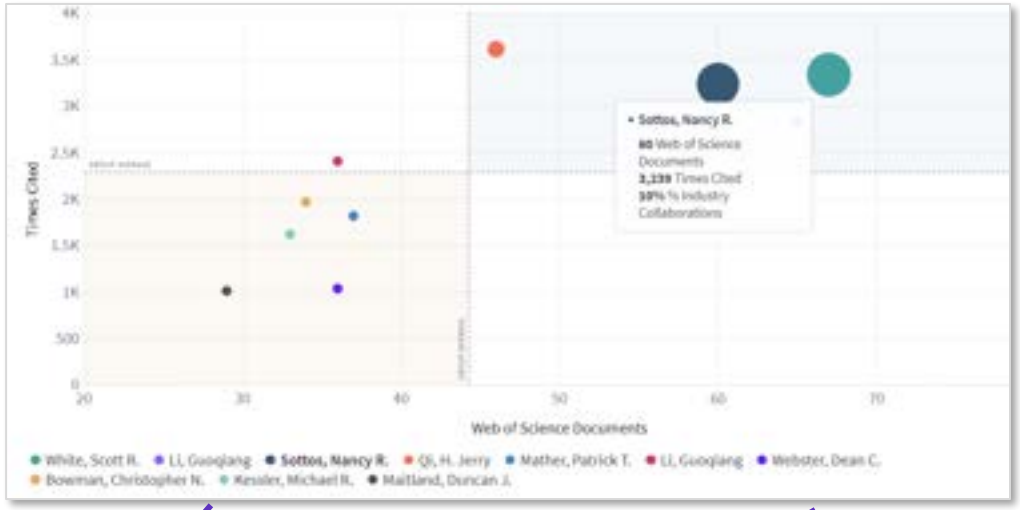
Thought Leader Identification

Example: Polyurethane

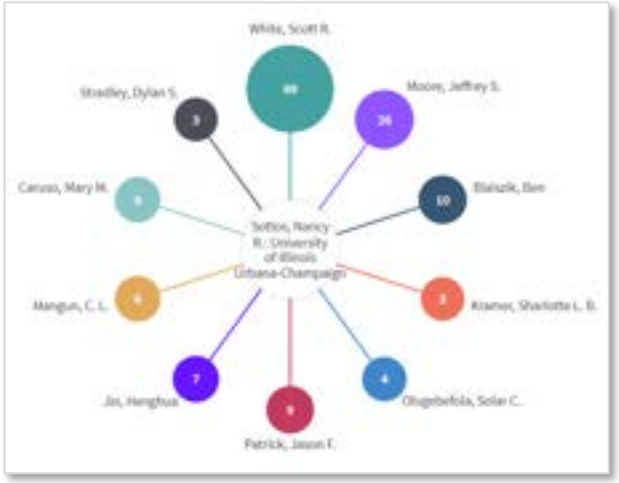
Identify the Key Opinion Leaders in your specialty areas for collaboration or potential hire

Publication leaders in polyurethane research (2010-2019)



What organizations are collaborating with Nancy Sottos on polyurethane research?

Which researchers does Nancy frequently collaborating with?



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Funding Landscape in the Web of Science

Example: pesticides and herbicides

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Funding Analysis

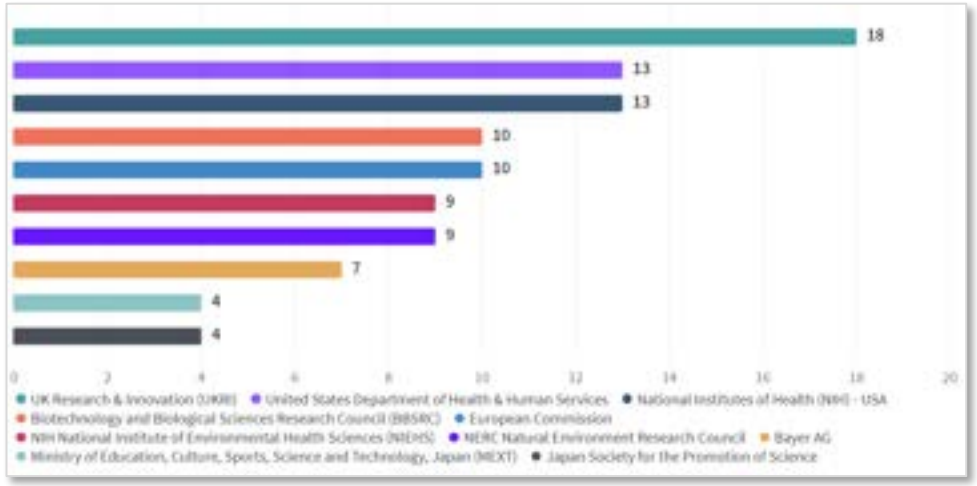
Example: pesticides and herbicides

Which funders sponsor research in our specialty areas?

How do research corporations benefit from agency funding?

Which institutions conduct research using competitive funding or benefit from our funding portfolio?

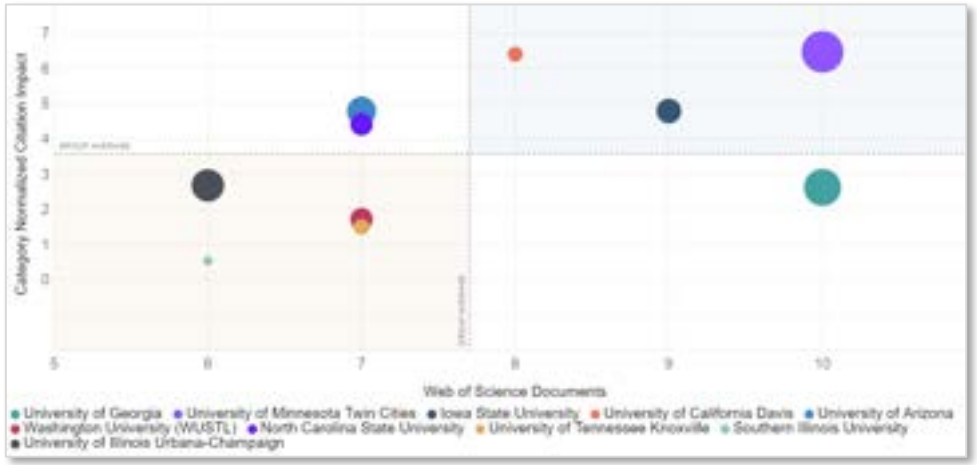
Syngenta's top funders in herbicides and pesticides (1980-2019)



Use the new document-level classification schema, Citation Topics, for InCites Benchmarking & Analytics to dive into granular research areas

Learn More: Citation Topics

Top academic institutions receiving funding from *Monsanto* (2000-2019)



Isolate academic organizations benefiting from your funding and analyze how impactful this research is

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Evolving the Web of Science

Investing to help the research community turn great ideas into real-world outcomes

Integrated, Personalised and Intuitive suite of Web of Science products delivering a proactive and connected experience for the research community

- Deliver the right information at the right time through **personalized engagement**
- **Simplify workflows** with an integrated research intelligence platform

- Support open research **quality assessment**
- Drive the **discovery and validation** of diverse open research outputs

- Promote responsible research evaluation by developing indicators for **real world outcomes**
- Optimize research and funding outcomes with AI-driven **predictive analytics**

- Enable **effective engagement** between funders and researchers
- Foster **research collaboration** and partnerships with engaging community tools

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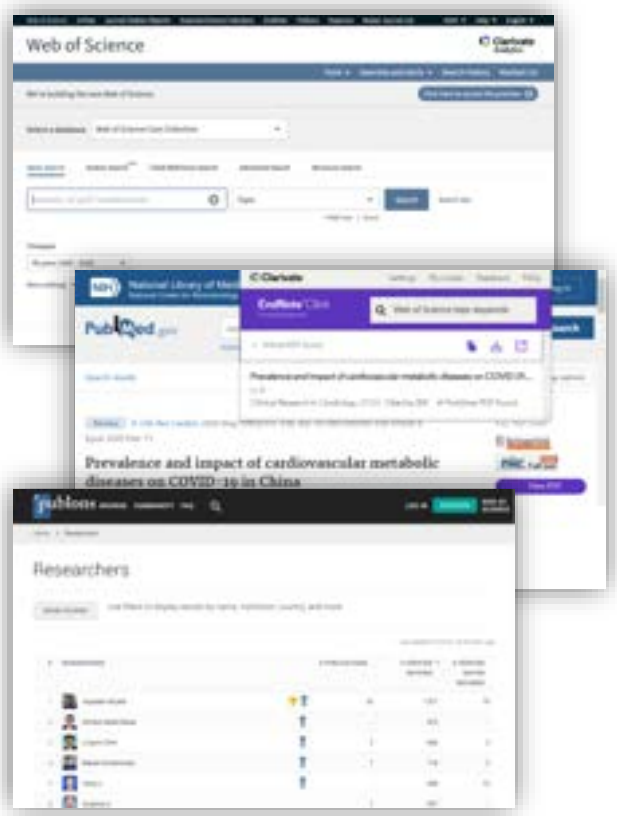
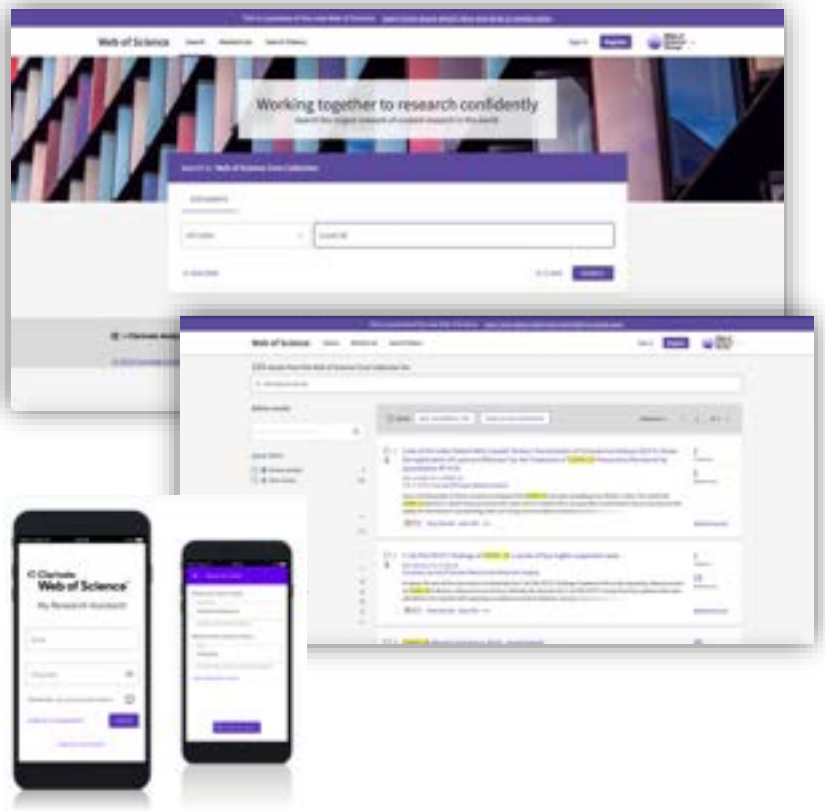
Evolving Web of Science to help you thrive in a complex landscape

From a trusted suite of products to a research intelligence platform

Classic Web of Science

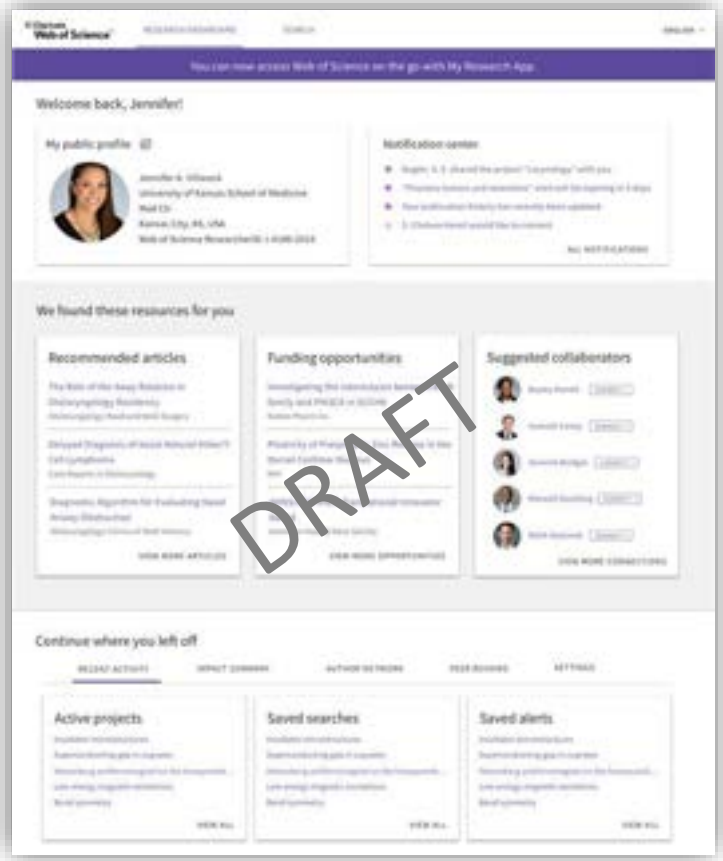


Today (Dual Access)
New Web of Science



Improved performance and user experience, accessibility compliance

2021+
“Next Gen” Web of Science



Proactive, Personalized and Connected

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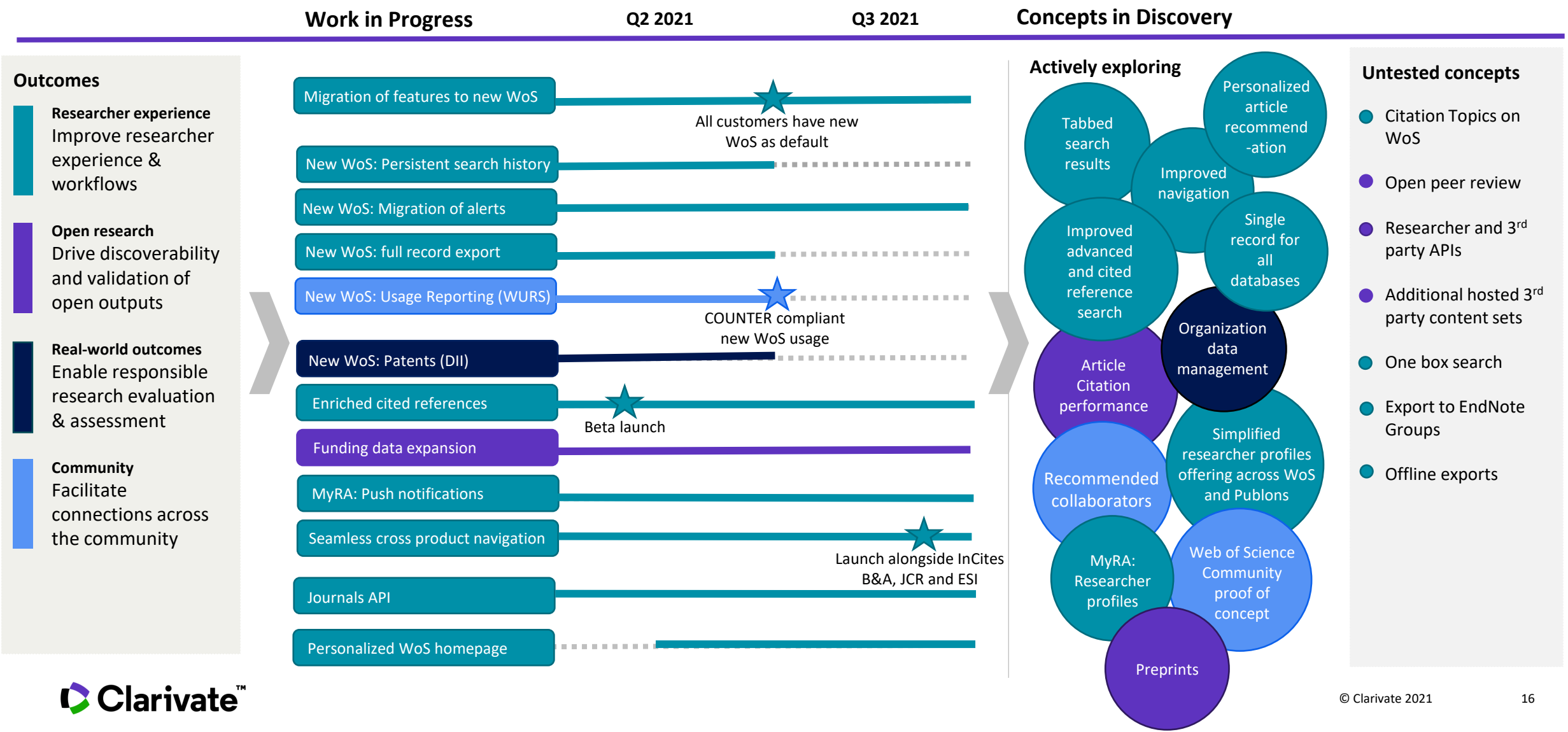
Web of Science and My Research Assistant 2021 product roadmap



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Thank You

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