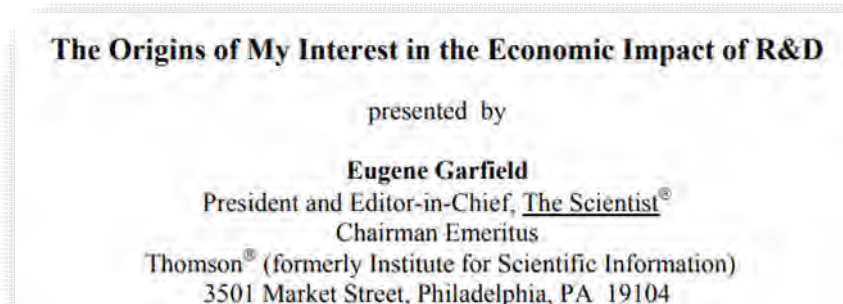
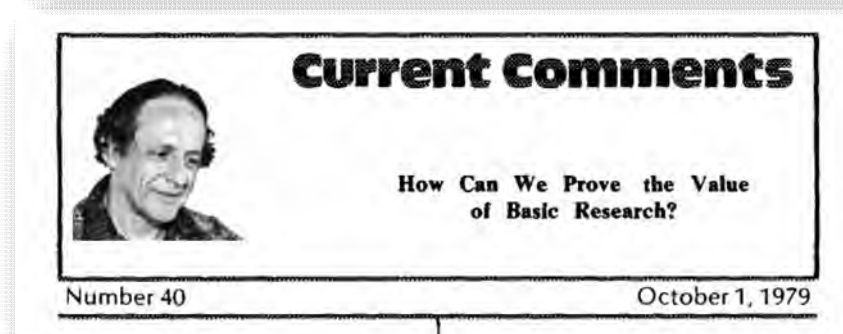
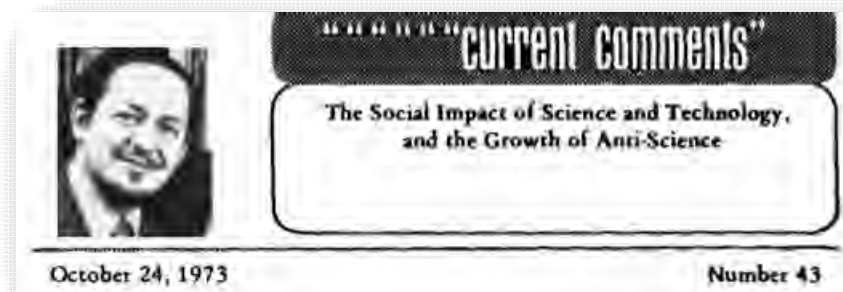


Scientometrics 3.0: Assessing Societal Impact of Research

Eugene Garfield and Societal Impact of Research



Digital Garfield Archive at the University of Pennsylvania: <https://garfield.library.upenn.edu/>

Eugene Garfield Economic Impact of Medical and Health Research Award, 2002 -2012



David Meltzer, MD, PhD, was honored by *Research!America* in 2002 with the inaugural Eugene Garfield Economic Impact of Medical and Health Research Award for his outstanding paper on "Addressing Uncertainty in Medical Cost-effectiveness Analysis: Implications of Expected Utility Maximization for Methods to Perform Sensitivity Analysis and the Use of Cost-effectiveness Analysis to Set Priorities for Medical Research."¹A professor in the departments of medicine and ec

Societal impact of research

Demand for evaluation



57.6%

research offices globally
identify “Demonstrate research
impact” among their top 3 longer
term priorities

56.2%

research offices globally
identify “Societal benefits” among all
forms of research impact they will
need to measure longer term

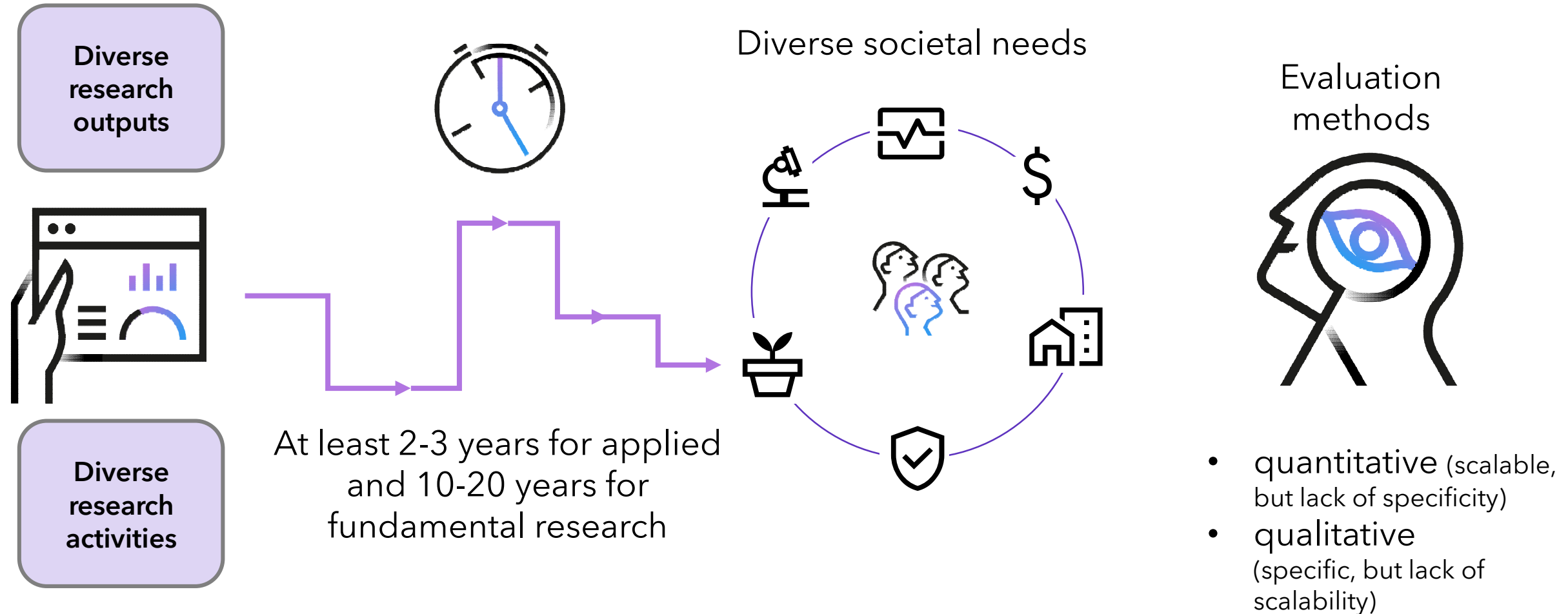
69.9%

research offices globally
find the societal impact of research
difficult to measure

Source: [Research Offices of the Future](#) survey report, Research Professional News, 2023

Societal impact of research

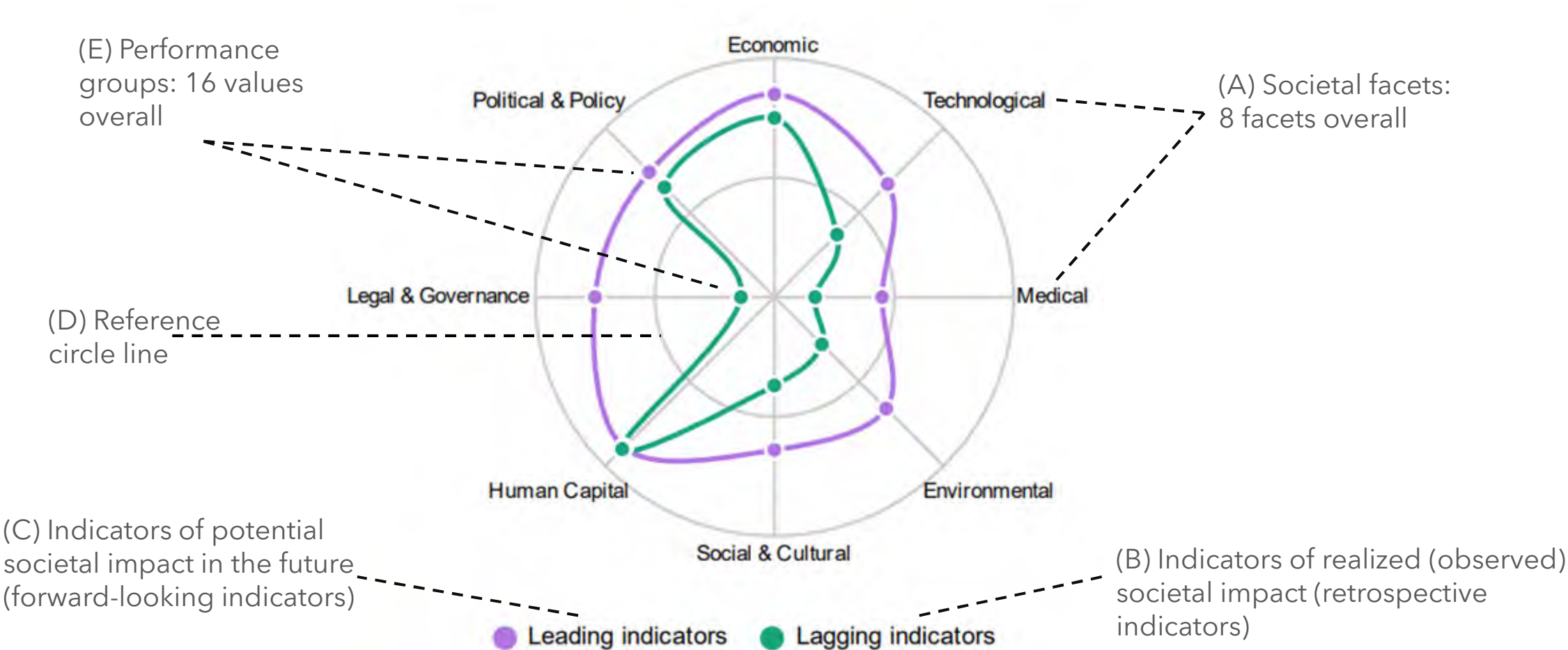
Challenges of evaluation



Our approach: Societal Impact Profile

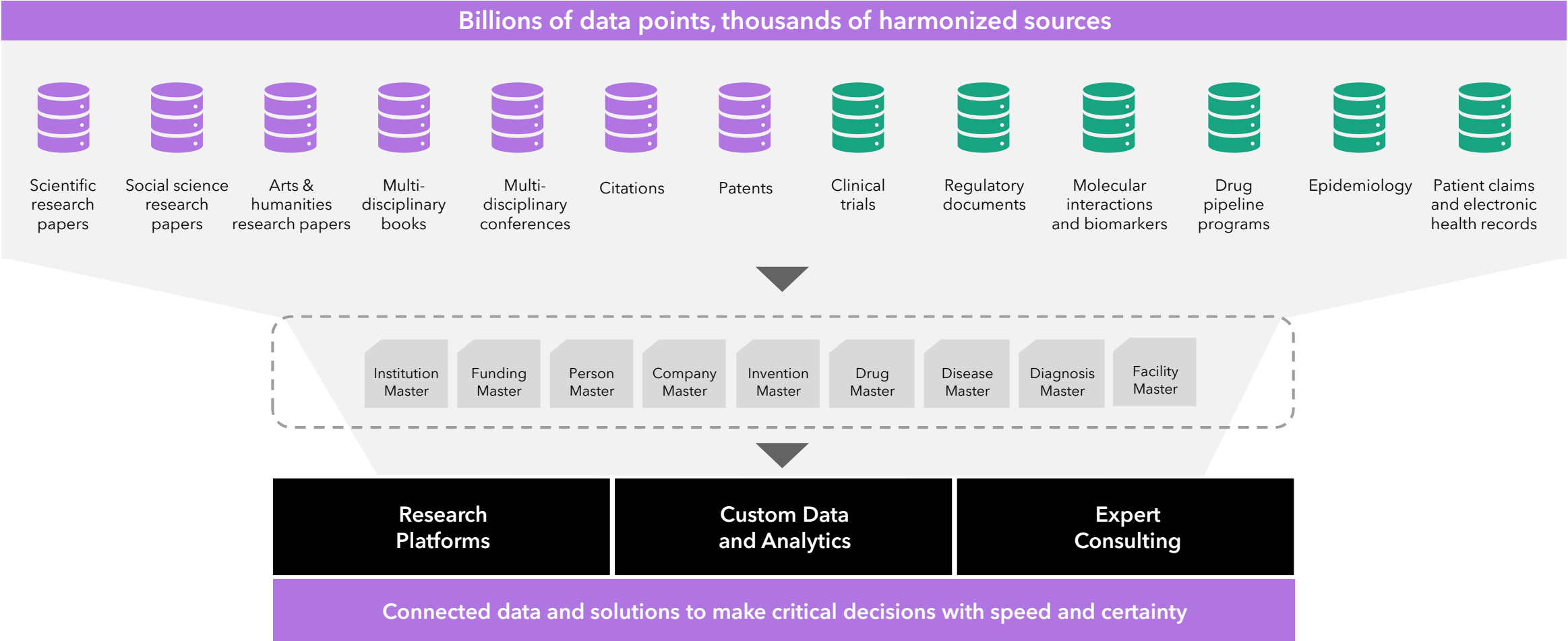
Design and terminology

(F) Societal Impact Profile

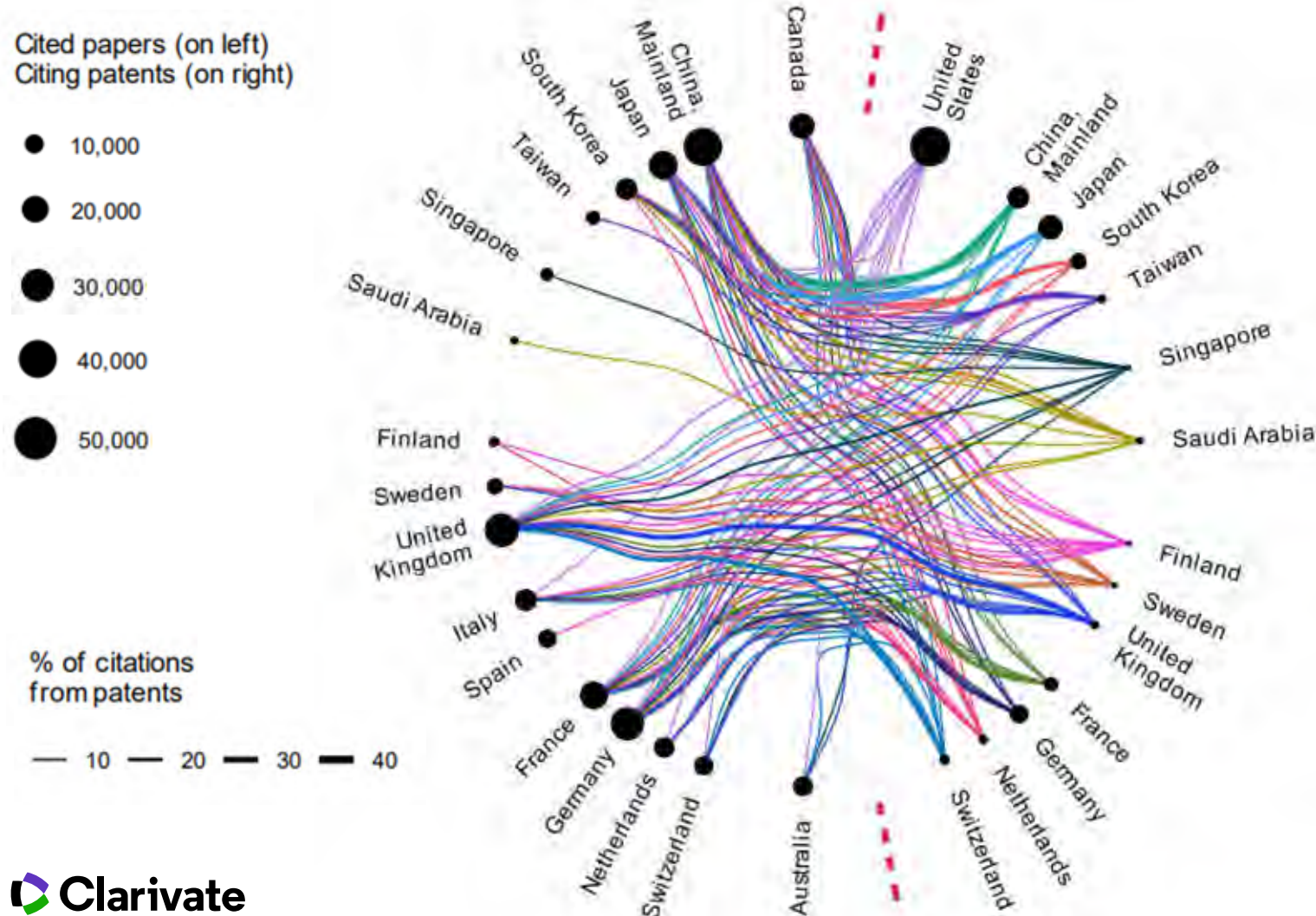


Unique data assets across the entire innovation lifecycle

Driving innovation towards socially responsible outcomes



Innovation analysis using scholarly literature and patent data

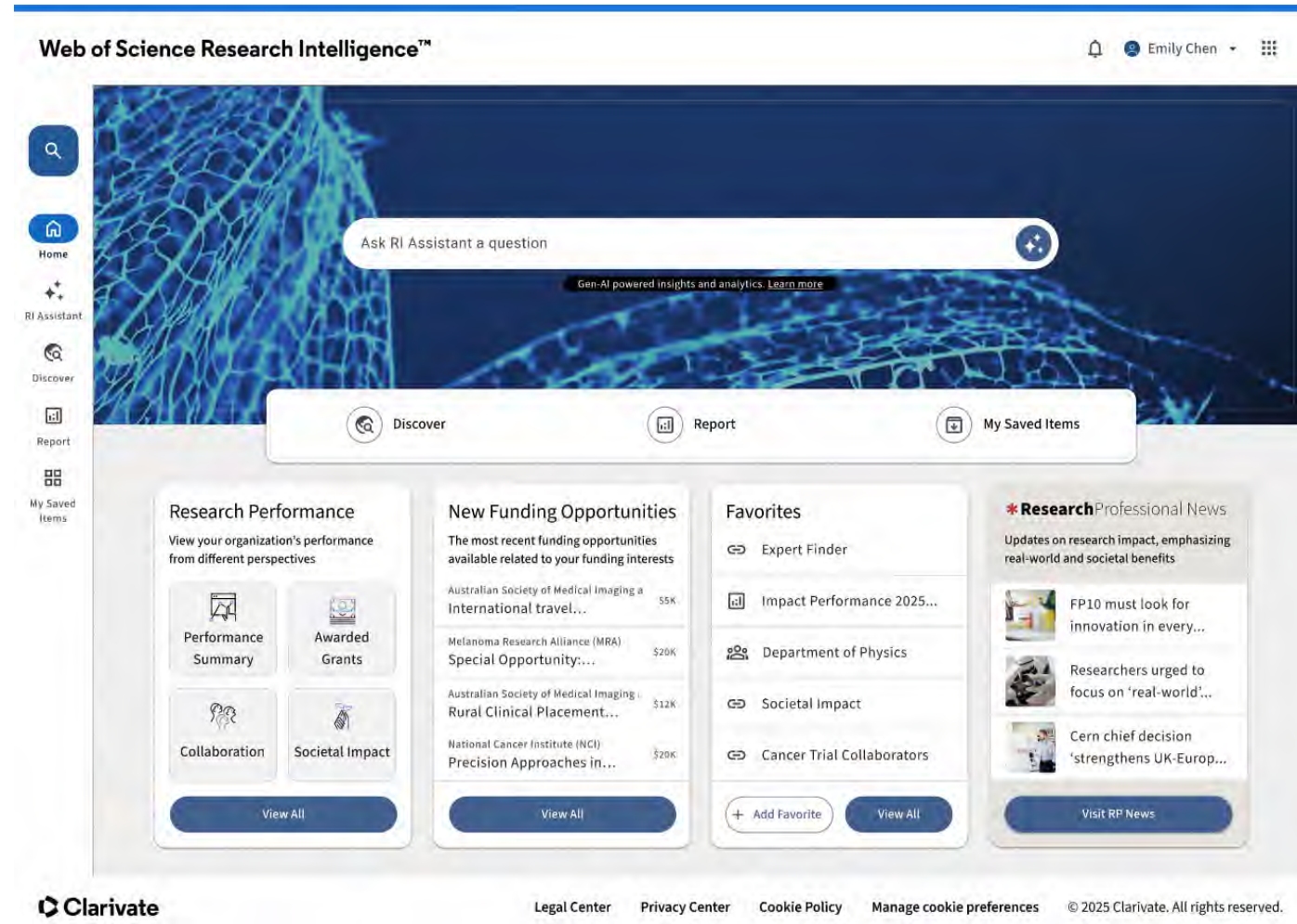


[Report:](#) The top 50 universities powering global innovation (Clarivate, 2025)



Introducing Web of Science Research Intelligence

Lead research forward in a changing world



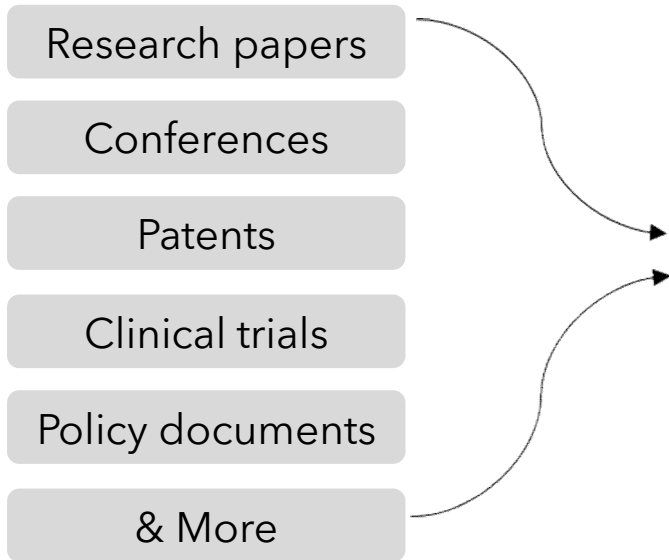
Transformational, AI-native software solution that enables research institutions to accelerate innovation and showcase research impact:

- Multiple research output types in one intuitive platform
- Tailored recommendations and scenario modelling
- Comprehensive societal impact framework and indicators

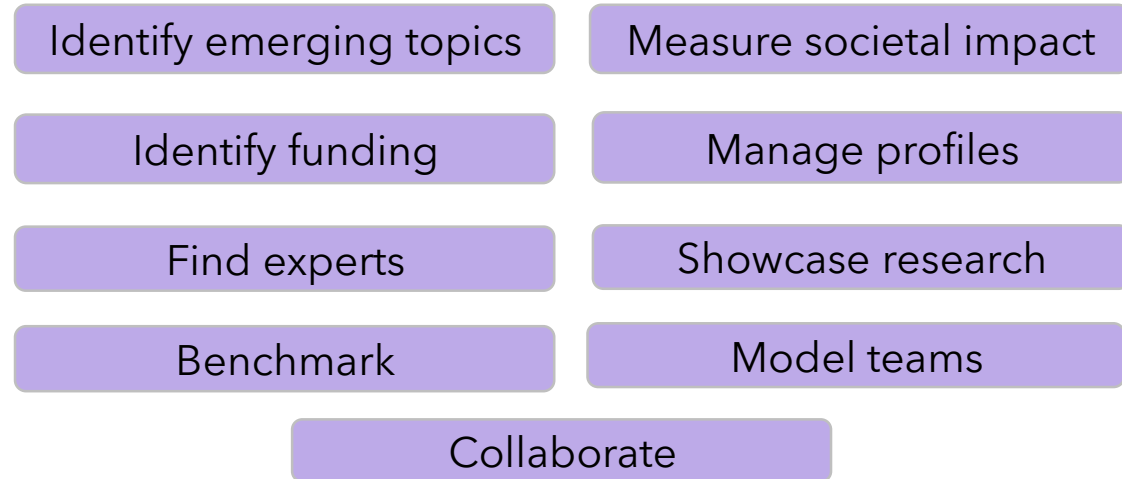
Uniting rich data and agentic AI to drive research forward

AI

Data Types



Use Cases



Integrations

Faculty activity reporting

Grant management

Repository

CRIS

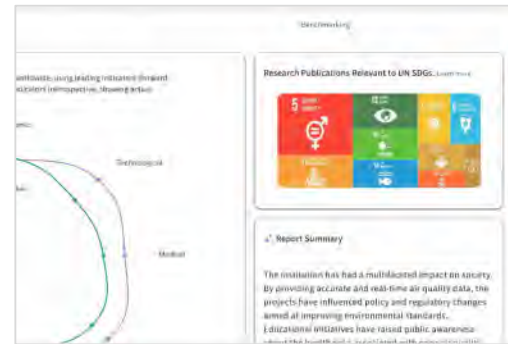
APIs

Harnessing AI to advance research and assessment



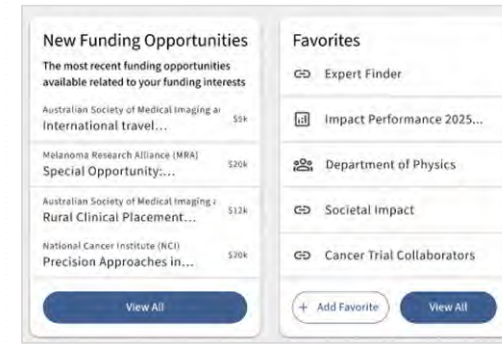
Conversational analytics

- Accessibility and ease of use
- Inspiring inquiry and exploration
- Narratives summarizing key trends & insights



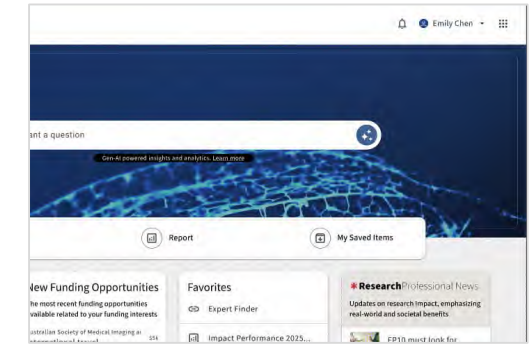
Impact narratives

- Enhance decision making
- Context and relevance
- Simplicity and clarity
- Persuasion and influence



Recommendations

- Link researcher profiles, emerging topics & funding opportunities
- Recommend funding opportunities based on a researcher or department profile

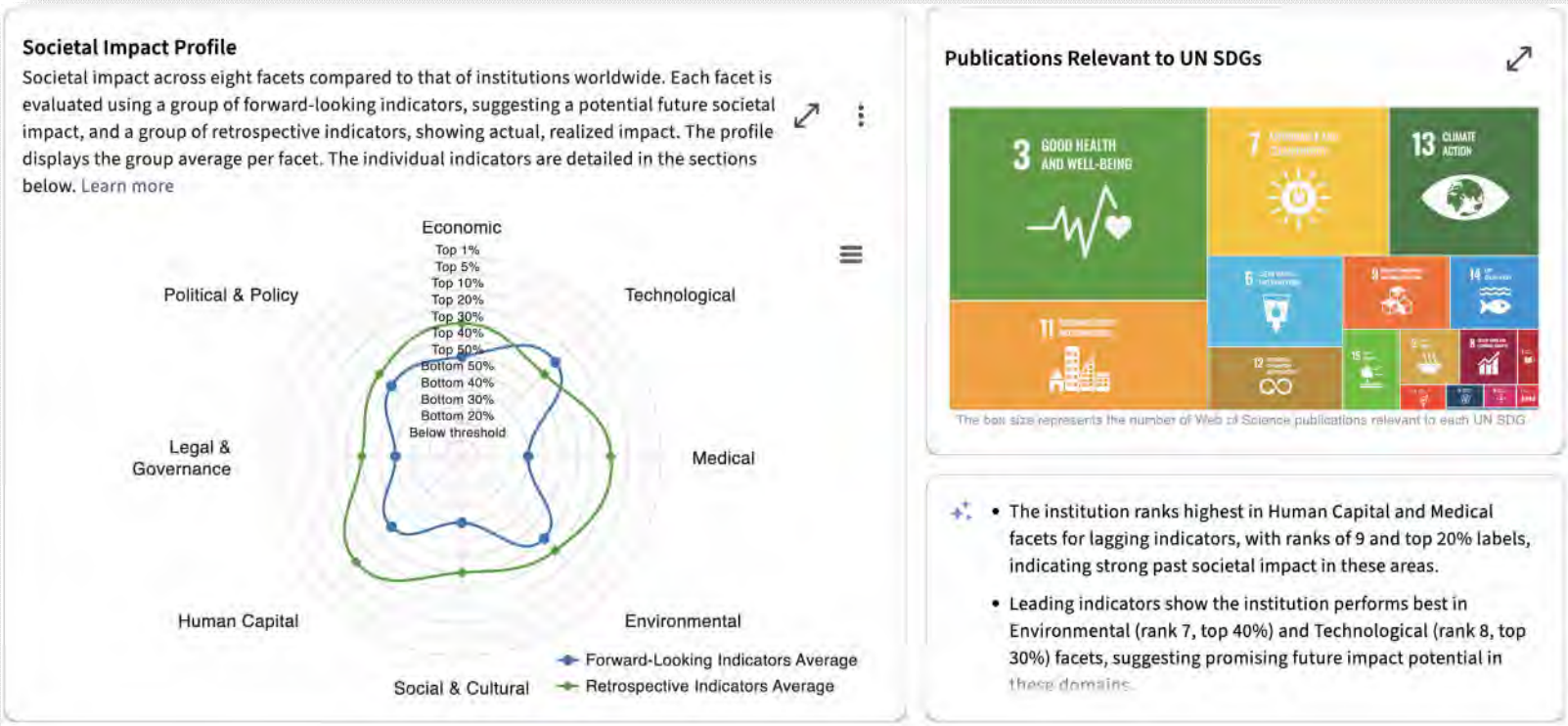


Enhanced UX

- Personalization
- Ease-of-use
- Improved handling of organisation name variations

Societal Impact Profile

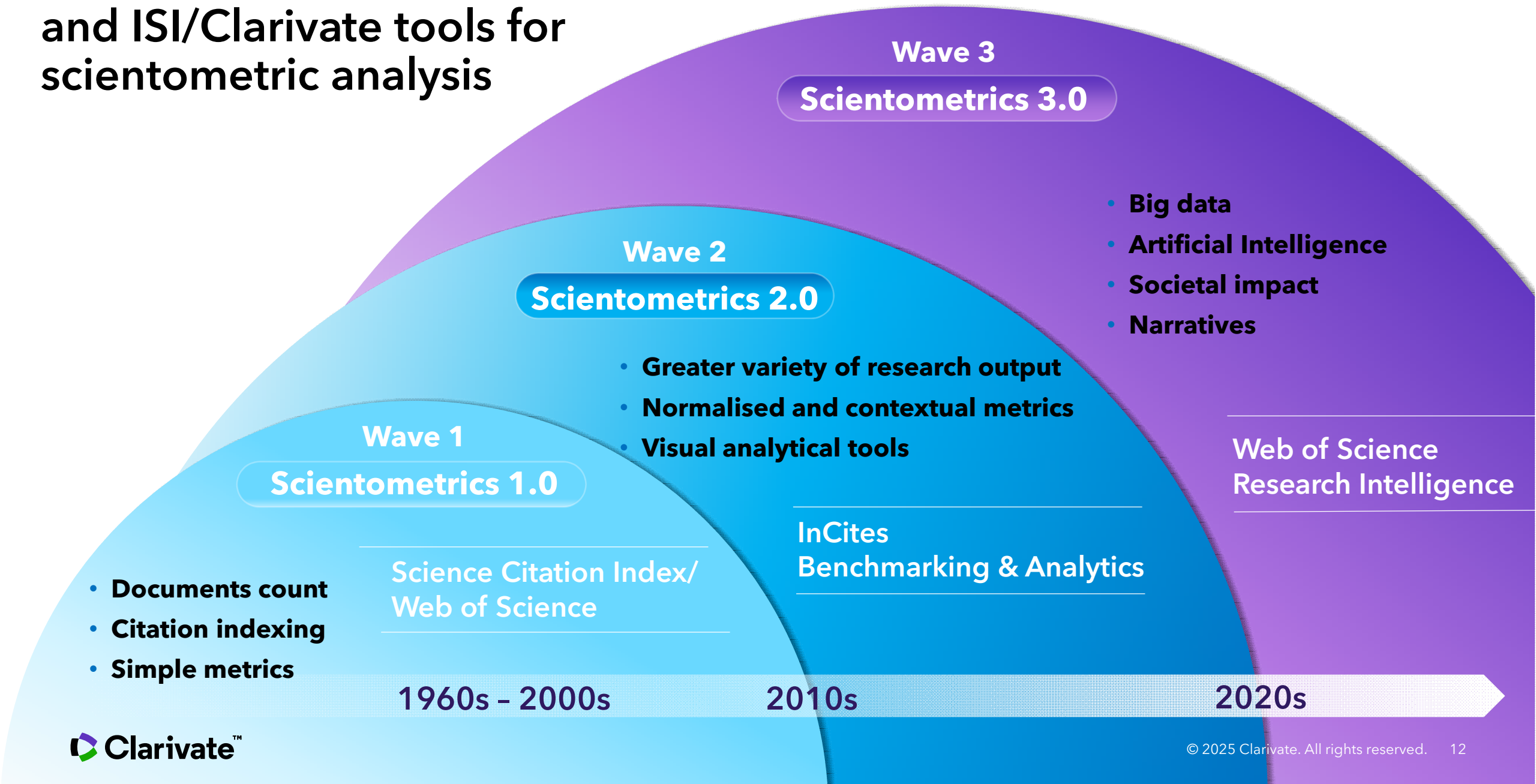
From metrics to narratives



Many research funders require statements of expected socio-economic, cultural or environmental impact – not just numbers.

AI-driven narratives translate metrics into accessible language.

Evolution of Scientometrics and ISI/Clarivate tools for scientometric analysis



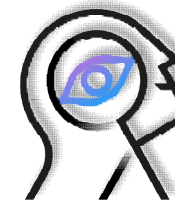
More Information



[Unpacking Societal Impact Profiles](#)



[Responsible framework for evaluating societal impact of research](#)



[Web of Science Research Intelligence](#)



Think forward

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