

Case study: For funders and government

A clearer view of funding program outcomes



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Advancing human progress together



Tracking research funding program outcomes with advanced analyses of integrated research metadata.

Background

A leading research funding body — with a mission to drive societal progress through strategic investments in research — measured the impact of its research grants portfolio through traditional metrics. These methods included the number of funded research publications and their citation counts, as well as the h-index of awardees.

However, rapid developments in the landscape of science and technology revealed the need to assess the broader, long-term outcomes of investments, including their practical applications and societal benefits.

Challenges

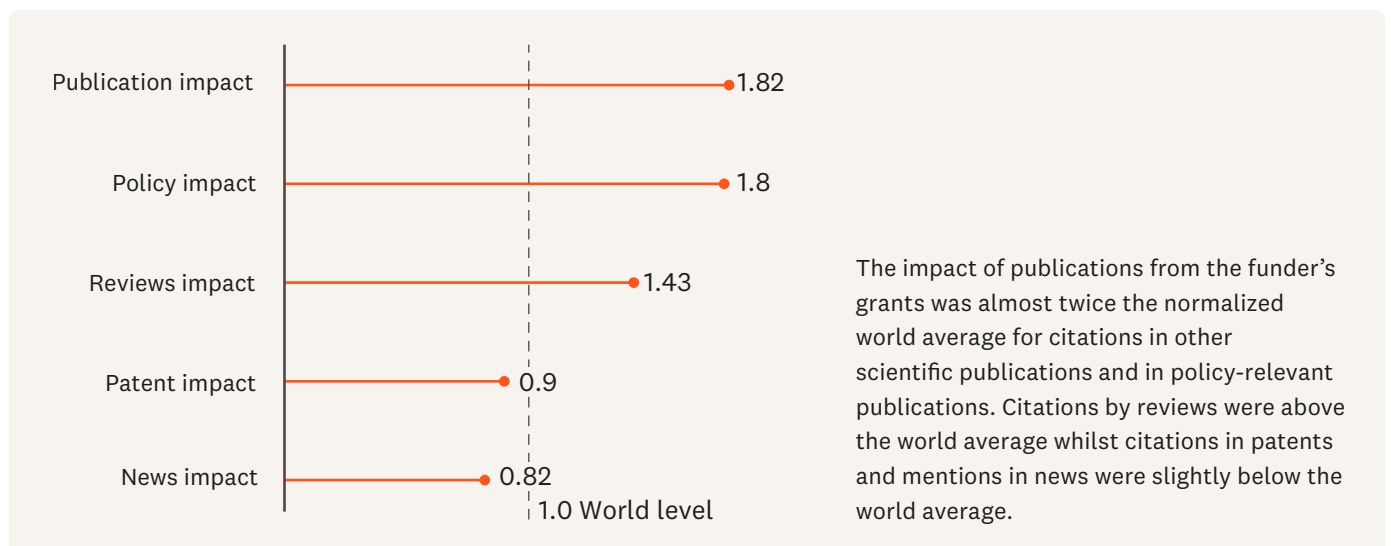
- 1. Limited scope:** Traditional research metrics did not account for the outcomes of research in relation to contributions to technology, innovation, policy, and societal well-being.
- 2. Data integration:** The organization needed a comprehensive way to integrate diverse data sources, including research publications, patents, policy documents, and business activities.
- 3. Strategic decision-making:** Without a holistic view of research impact, it was difficult for the organization to make data-based decisions on future grant allocations and research priorities.



Solution: The answer was InsightGraph

The funding body implemented InsightGraph; a holistic knowledge graph with the ability to analyze outcomes of their research grants portfolio.

- 1. Comprehensive dataset:** InsightGraph combined information from research publications, patents, policy documents, and other global research outputs to provide a holistic view of research impact.
- 2. Research impact tracking:** InsightGraph went beyond the traditional metrics of the organization's research projects. Additional citation metrics were assessed, and these provided a nuanced perspective on knowledge transfer. Plus, it was possible to analyze the interdisciplinary aspects and researcher collaborations enabled by the organization's funding.
- 3. Translational impact tracking:** InsightGraph connected funded research outputs to patents, policy citations, and industry collaborations, allowing the research funding body to track the broader outcomes of funded research.
- 4. Business activity integration:** InsightGraph integrated data from funded researchers with data on business activities to highlight the commercialization potential of funded researchers.





Outcomes

The difference InsightGraph made

- Enhanced research insights:** the funding body gained a clear view of how funded research advanced knowledge, fostered collaboration, and influenced the global research landscape. Additional citation and collaboration metrics provided deeper insight into research impact.
- Broader impact assessment:** Tracked translational impacts, including advancements in patents, policy, and industry. This helped assess tangible societal benefits like sustainable solutions, new technologies, and policy shifts.
- Data-driven decision-making:** Integrated data enabled informed, strategic grant allocations, prioritizing research areas with strong potential for both academic and societal impact.
- Commercialization potential:** Identified research areas with strong commercialization prospects.

Conclusion

InsightGraph proved to be an invaluable tool, enabling the research body to comprehensively track and analyze the outcomes of its research funding program.

By integrating traditional research metrics with broader translational impact measures, InsightGraph provided a holistic view of research impact. This gave the organization the capability to make strategic, data-driven decisions that maximized both research and societal benefits.

The 43k Researchers funded produced 120k publications, 14k patents and generated 400+ startups.



43,050
Researchers



37,232
grants from
[funder]



14,023
patents



427
startups



120,000
publications



1,457
early careers



InsightGraph

To discover how InsightGraph could help your institution track research funding program outcomes, talk to us.

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