

Data-Driven Approaches to Enhance

Research Strategy and Partnerships

- an Elsevier Perspective

Dr. Anders Karlsson Vice President, Global Strategic Networks Elsevier

a.karlsson@elsevier.com

with support from Yuhri Ishizaki, Global Strategic Networks



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Content of Talk



- "Not just a publisher" introducing Elsevier
- Analytics around Swedish Institutions
- Benchmarking competitiveness of cities



Elsevier at a glance



Elsevier has partnered with the science community for 140 years to curate and verify knowledge. Now, growing from our roots in publishing, we provide analytical solutions to serve the needs of science, technology and health.

As an **information analytics business**, we provide solutions and digital tools for strategic research management, R&D performance, clinical decision support and more.







Research Intelligence for Assessment & Strategy





University Research Strategy





- Know & build your strengths
- Know who to partner with
- Execute and follow-up!



Poll 1:

Do you feel you know all your institutions data with respect to Industry-Academia collaborations?

If Yes, raise your hand!



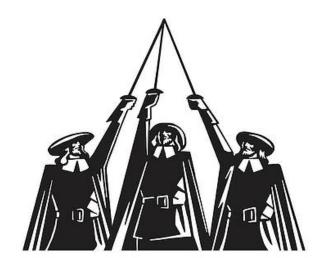
All for one, One for all... Stockholm Trio











Overview of Research by Stockholm Trio 2017-2021



Outputs in Top Citation Percentiles ①

Publications in top 10% most cited worldwide

Show as field-weighted



Publications in Top Journal Percentiles (1)

Publications in top 10% journals

by CiteScore Percentile



International Collaboration ①

Publications co-authored with Institutions in other countries/regions



Academic-Corporate Collaboration ① Publications with both academic and corporate affiliations

Stockholm Trio



Scholarly Output of Some Stockholm Comparators





Which are the companies co-publishing with Stockholm Trio Members?









Institution	Co-authored publications ψ
AstraZeneca	496 ▼
Novo Nordisk Foundation	142 🛦
Johnson & Johnson	136 ▲
+ Fimlab Laboratories	131 🛦
MOH Holdings Pte Ltd.	130 🛦
GlaxoSmithKline	128 🛦
deCODE Genetics	107 ▲
Pfizer	103 ▲
• Novartis	98 🛦
Merck	90 ▼

Institution	Co-authored publications ψ
Ericsson AB	207 ▼
ABB Group	147 ▼
AstraZeneca	123 🛦
Scania AB	112 🛦
Vattenfall	88 ▼
→ VTT Technical Research Centre of Finland Ltd.	87 ▼
Sandvik AB	84 🛦
SINTEF	58 ▲
Novo Nordisk Foundation	50 🛦
⊆ IBM	47 ▼

Institution	Co-authored publications ψ
AstraZeneca	130 🛦
Novo Nordisk Foundation	57 ▲
+ Fimlab Laboratories	42 ▼
⋐ IBM	37 ▼
GlaxoSmithKline	32 ▼
deCODE Genetics	27 🛦
Eureka Scientific, Inc.	25 ▼
Genentech Incorporated	25 ▲
SINTEF	24 🛦
Praxis, Inc.	23 ▼

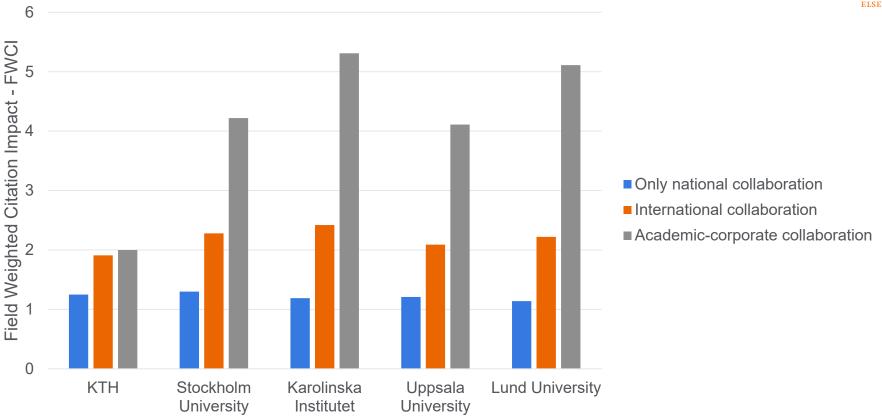


Poll 2: Raise your hand if you think that co-publishing between Academia and Industry leads to HIGHER Academic Impact (citations)



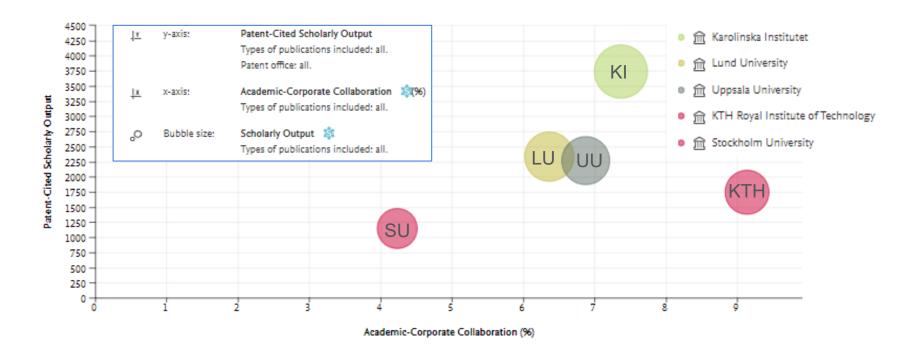
Academic Impact of Collaborations





Comparing Five Swedish Institutions









Poll 3:

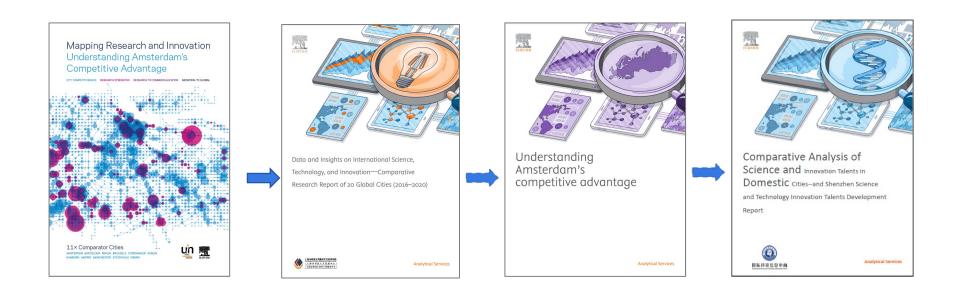
Do you think it is IMPORTANT to know how competitive your city is on an aggregated bases (all knowledge producing actors)

If YES, raise your hand!









2015 2023



The data in this report are extremely valuable for the city of Amsterdam and our university. It is crucial to be able to support our strategy with data.

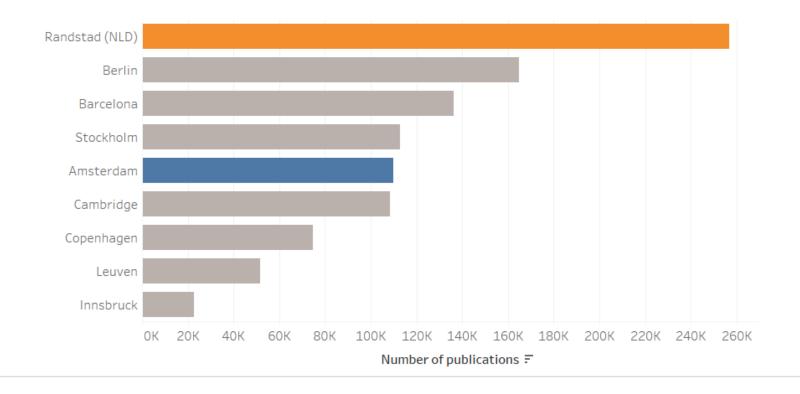


President of the Executive Board and Professor of Entrepreneurship Vrije Universiteit Amsterdam



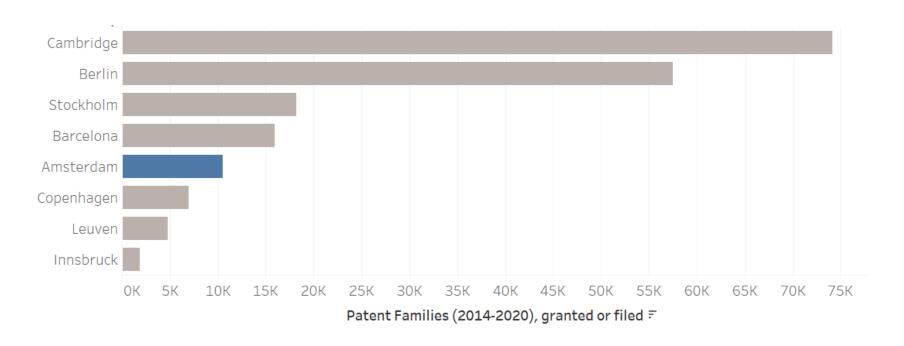
Amsterdam's publication output vs other European cities







Patent families by Amsterdam versus other European cities.



A *patent family* represents a set of related patents associated with a single invention filed in multiple locations





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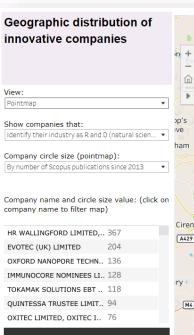
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More questions than answers..



- Are the type of data discussed useful (hopefully) to support strategy?
- What is the most challenging data to gather?

What is best combination of Quantitative/Qualitative metrics?

Feel free to contact:

email: <u>a.karlsson@elsevier.com</u>

Twitter: @AKTokyo

LinkedIN: www.linkedin.com/in/anderskarlssontokyo/

