

A social science network



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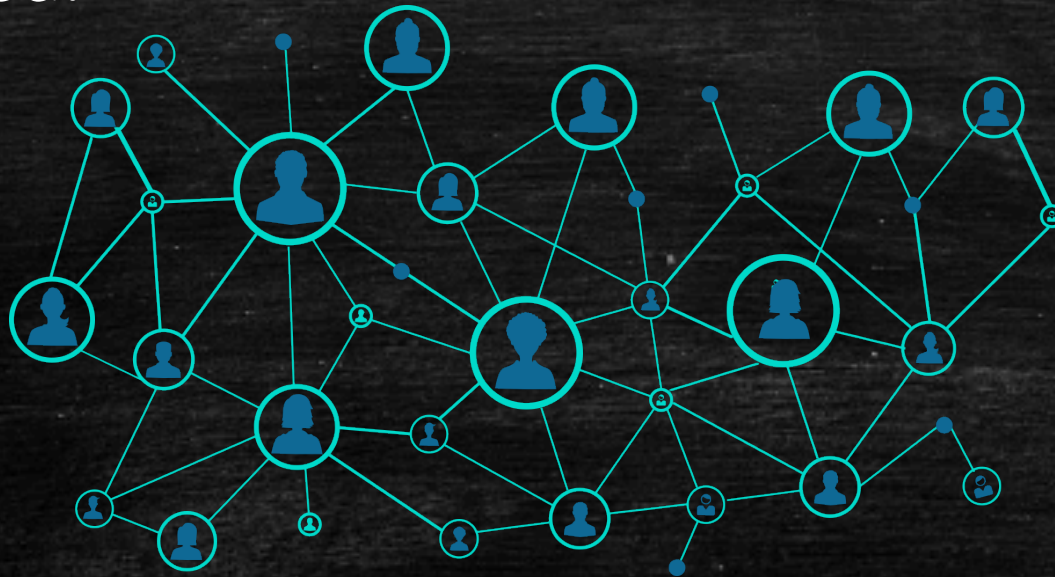
Suggestion

It is suggested to accompany this presentation, with the author for a better explanation of it.



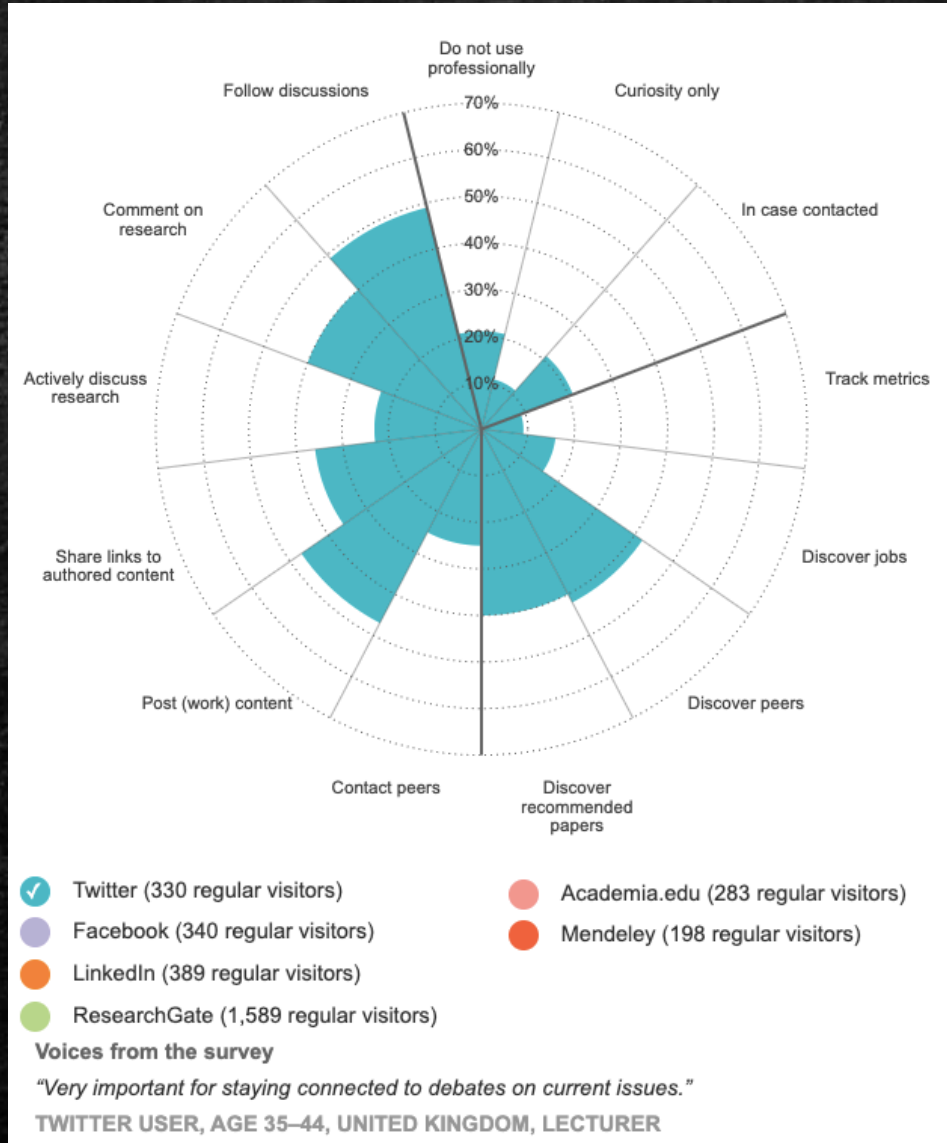
Create a social science network

Like a scientific collaboration network, which is a social network with nodes of scientists to show how they work together, in different science areas, creating "small worlds, highly clustered.



Source: Scientific collaboration network – https://en.wikipedia.org/wiki/Scientific_collaboration_network

Online collaboration



Nature's survey and detail of their activity.



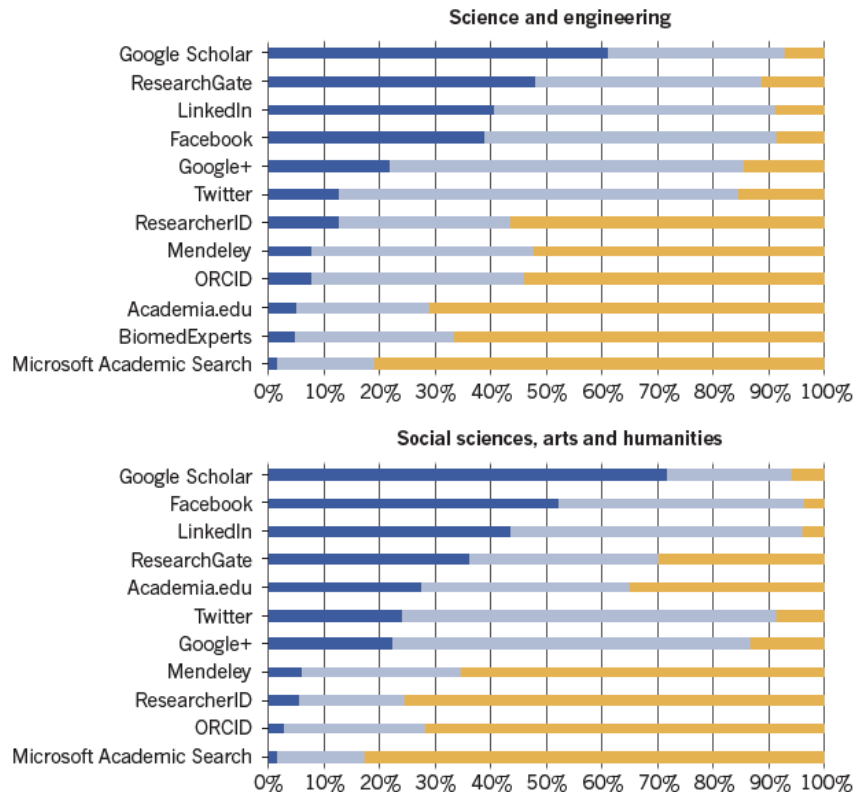
Source: Online collaboration: Scientists and the social network - <https://www.nature.com/news/online-collaboration-scientists-and-the-social-network-1.15711>

Online collaboration

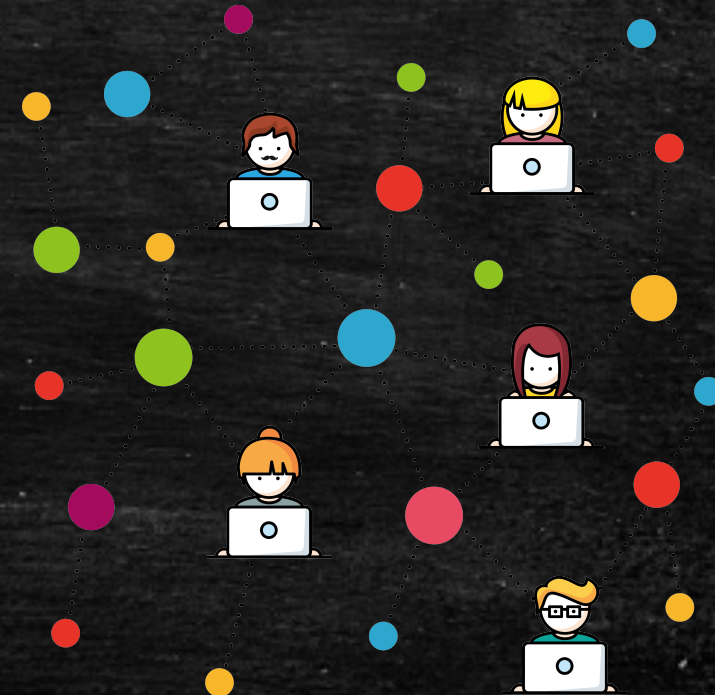
REMARKABLE REACH

More than 3,000 scientists and engineers told Nature about their awareness of various giant social networks and research-profiling sites. Just under half said that they visit ResearchGate regularly. Another 480 respondents in the humanities, arts and social sciences were less keen on ResearchGate.

- I am aware of this site and visit regularly
- I am aware of this site but do not visit regularly
- I am not aware of this site



Nature's survey and detail of their activity.

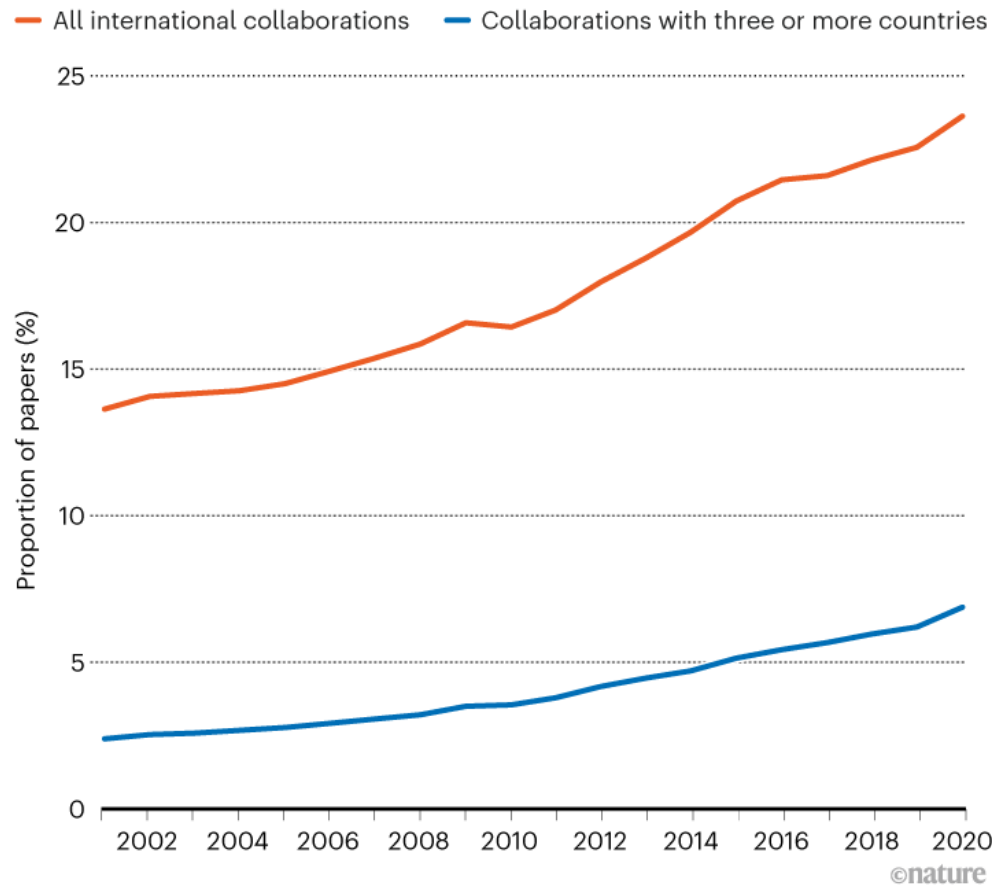


Source: Online collaboration: Scientists and the social network - <https://www.nature.com/news/online-collaboration-scientists-and-the-social-network-1.15711>

Global science collaboration

COLLABORATIONS ON THE RISE

The past few decades have seen a rapid rise in the fraction of papers with authors from more than one country.



Authors from more than one country



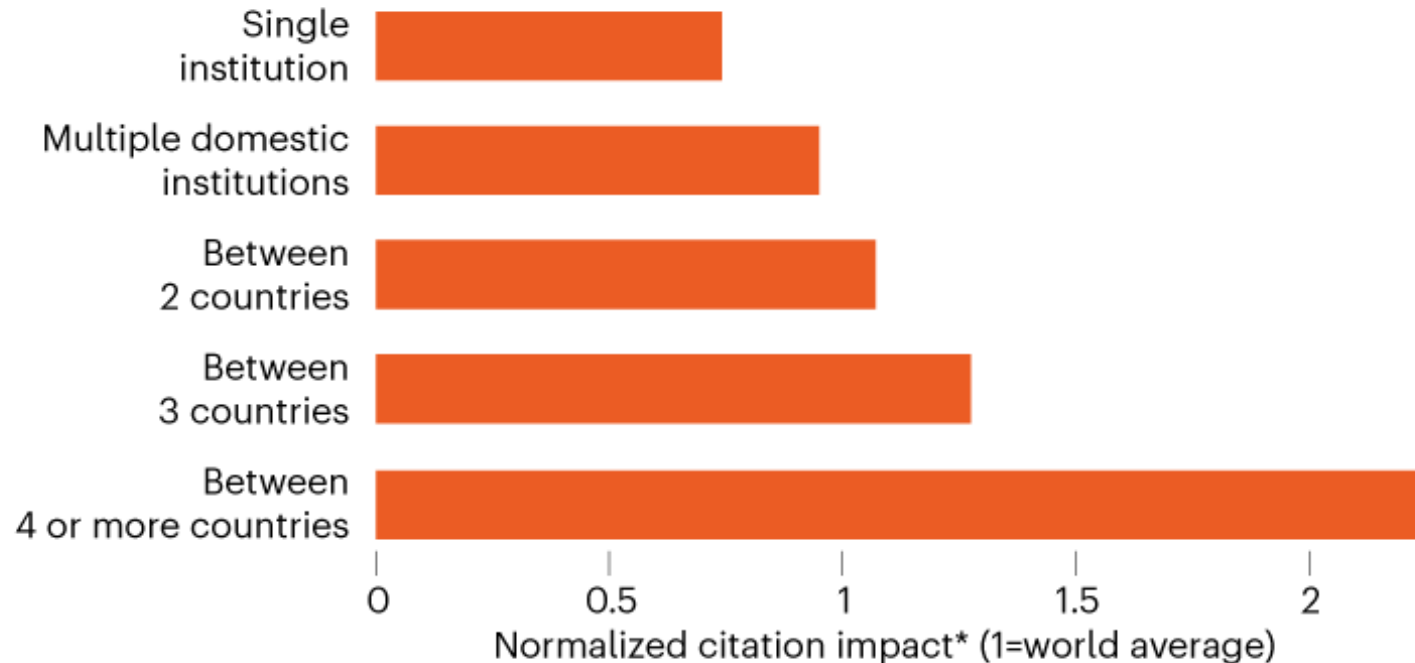
Source: How the COVID pandemic is changing global science collaborations

– <https://www.nature.com/articles/d41586-021-01570-2>

Global science collaboration

CITATION ADVANTAGE

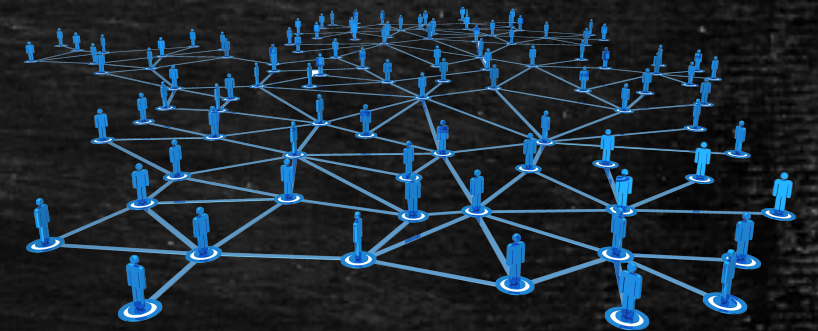
Papers with multiple countries in their author affiliation lists gain more citations than those with only one or two.



*Each article's citation count divided by average citations for other articles in the same year and subject area.

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Multiple countries.

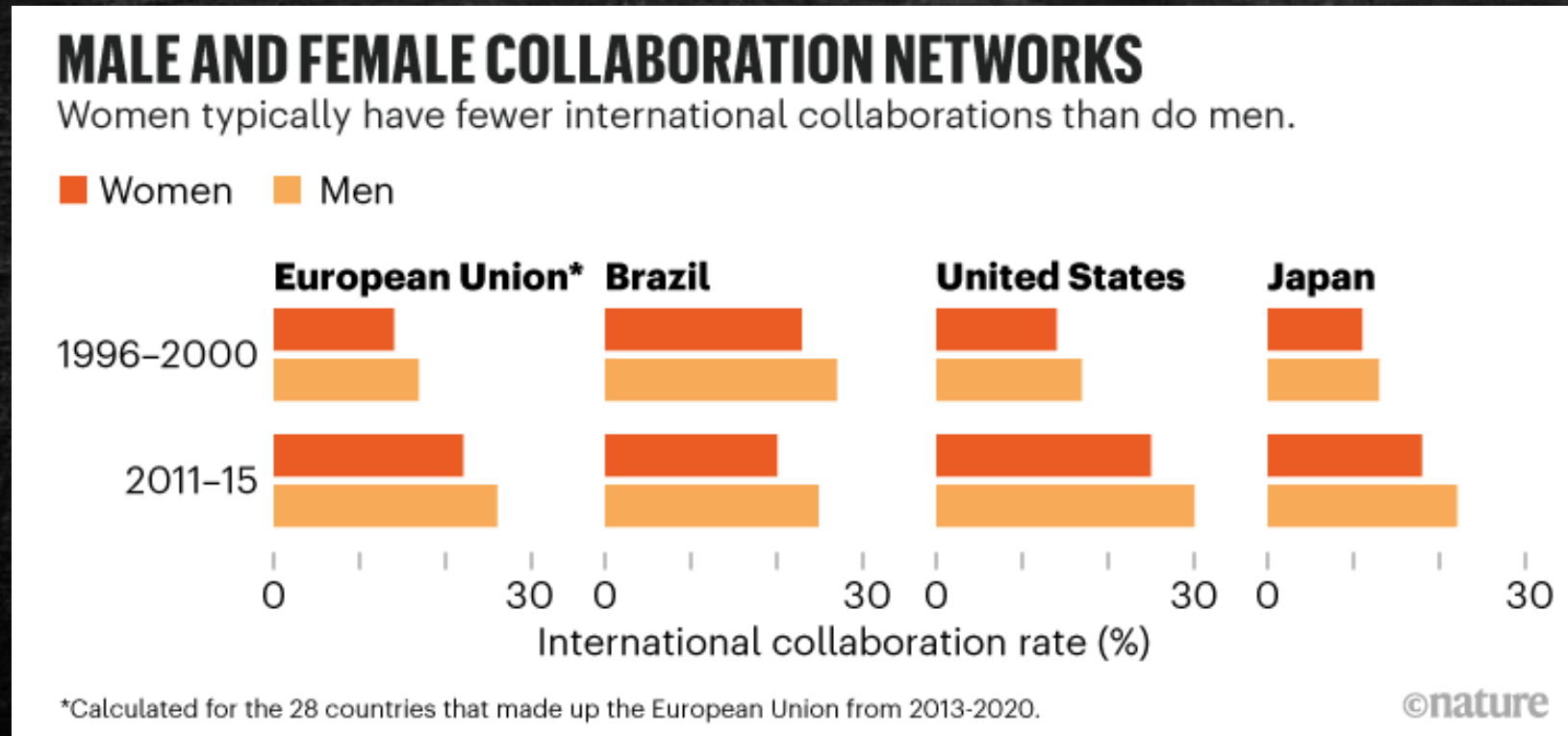


Source: How the COVID pandemic is changing global science collaborations

- <https://www.nature.com/articles/d41586-021-01570-2>

Global science collaboration

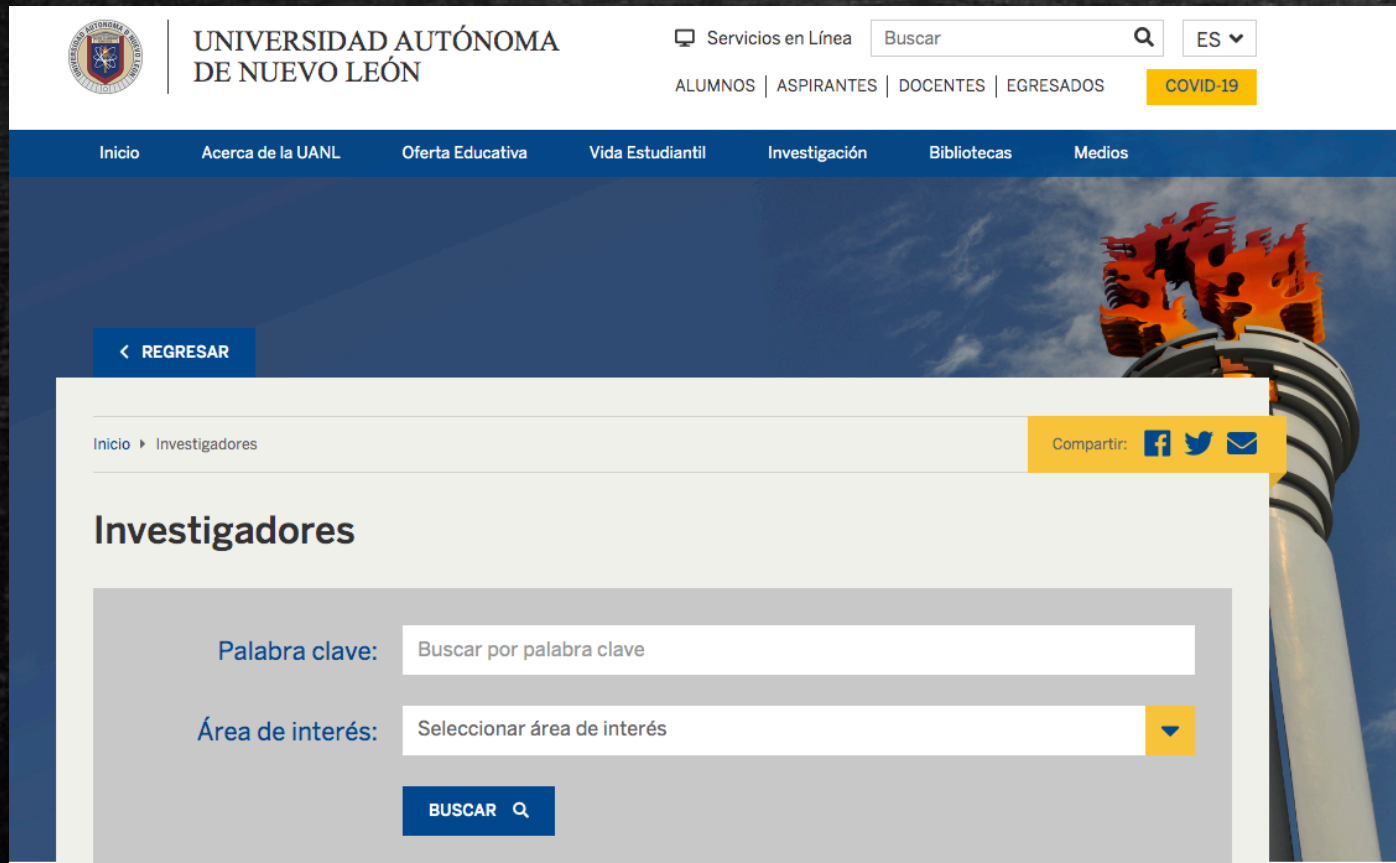
Male and female.



Source: How the COVID pandemic is changing global science collaborations

- <https://www.nature.com/articles/d41586-021-01570-2>

Researchers in the UANL



The screenshot shows the homepage of the UANL Researchers Directory. At the top, there is a header with the UANL logo, the university name 'UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN', and navigation links for 'Servicios en Línea', 'ALUMNOS', 'ASPIRANTES', 'DOCENTES', 'EGRESADOS', and a 'COVID-19' button. Below this is a dark blue navigation bar with links for 'Inicio', 'Acerca de la UANL', 'Oferta Educativa', 'Vida Estudiantil', 'Investigación', 'Bibliotecas', and 'Medios'. The main content area features a large background image of a torch. On the left, there is a blue button labeled '< REGRESAR'. Below this, a white box contains the search interface. The search interface includes a breadcrumb trail 'Inicio > Investigadores', a 'Compartir' button with social media icons, and the title 'Investigadores'. The search form has two input fields: 'Palabra clave:' with a placeholder 'Buscar por palabra clave' and 'Área de interés:' with a placeholder 'Seleccionar área de interés' and a dropdown arrow. A blue 'BUSCAR' button with a magnifying glass icon is at the bottom of the search form.

UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN

Servicios en Línea Buscar ES

ALUMNOS | ASPIRANTES | DOCENTES | EGRESADOS COVID-19

Inicio Acerca de la UANL Oferta Educativa Vida Estudiantil Investigación Bibliotecas Medios

< REGRESAR

Inicio > Investigadores

Compartir: f t e

Investigadores

Palabra clave: Buscar por palabra clave

Área de interés: Seleccionar área de interés

BUSCAR

Directory of the UANL
SNI (Sistema Nacional
de Investigadores)

Source: Investigadores UANL – <https://www.uanl.mx/investigadores/>

Researchers in the UANL

Linked to Research Gate and Google Scholar



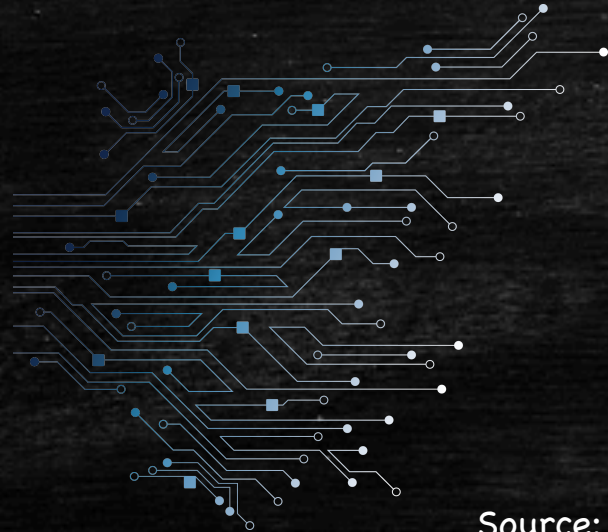
Google
Scholar

ResearchGate

Build the ecosystem

Make an environment where scientists and researchers interact, sharing ideas, projects, papers, articles, books and other publications.

Like a Facebook (science social network) but for scientists and researchers.



Platform

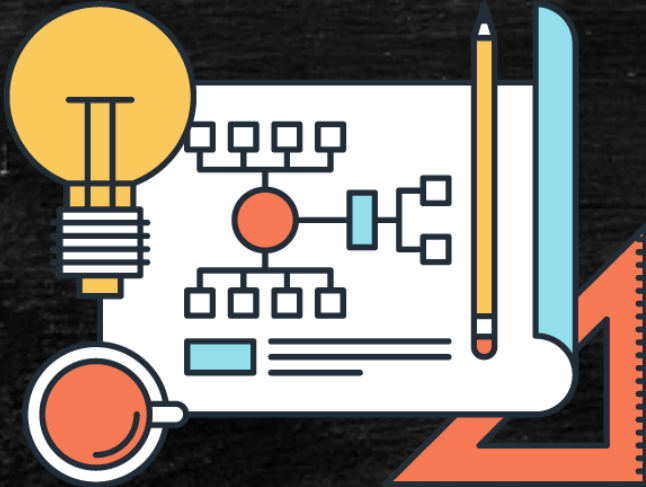
One option is to use an open source social network software, like ELGG.



Source: Elgg - <https://elgg.org/>

Algorithm

The system and software will use an algorithm that search's and matches similar researches and investigations, as well as profile, expertise and similar areas of interest.



Algorithm and industry

The system will match researchers with industry opportunities, to both, obtain a publication, a patent and also profit, for the company and for the research center.



Algorithm and society

The system will not only obtain money, but also solve societies principal requirements (the greater good).



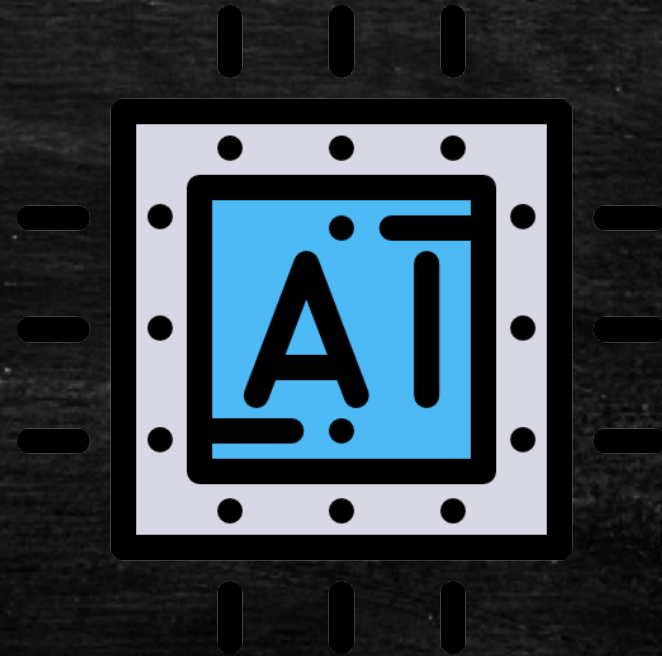
Algorithm and universities

The system will match research between different universities, within Mexico and also with other countries.



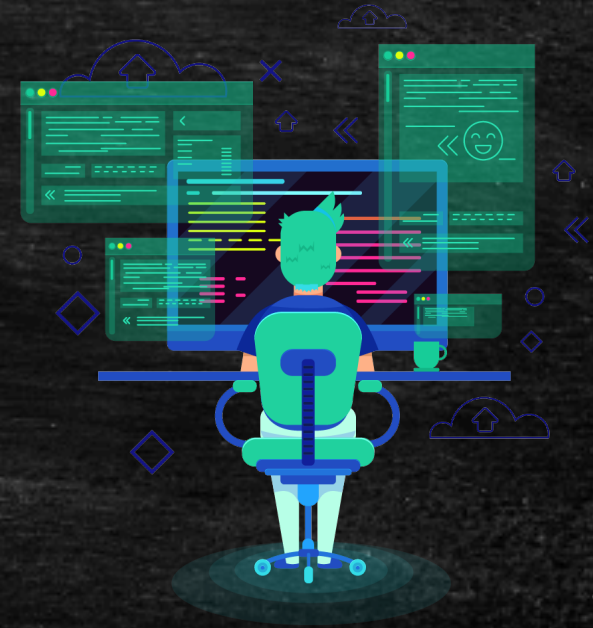
Artificial Intelligence

Based on the mentioned algorithms, create an AI capable of doing it's own research.



Cyber-human learning loops

According to Superminds, by Thomas W. Malone, create this learning loops, where people and computers work together and potentiate their abilities.



Source: Superminds, Thomas W. Malone - <https://cci.mit.edu/superminds-by-thomas-w-malone/>

Create a combined strategy

Analyze all of the above proposals and create a combined strategy for the software implementation.



References

Scientific collaboration network -

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Investigadores UANL - <https://www.uanl.mx/investigadores/>

References

Superminds, Thomas W. Malone - <https://cci.mit.edu/superminds-by-thomas-w-malone/>

Elgg - <https://elgg.org/>