A social science network

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March 2022

UANL
UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN

CIDICS

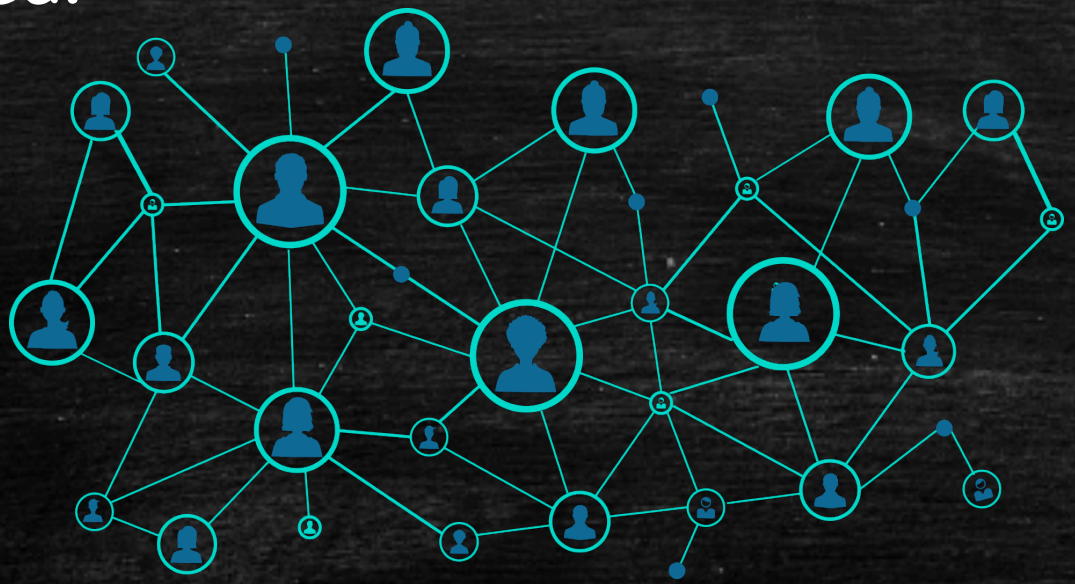
DIVULGACIÓN CIENTÍFICA - UANL

Suggestion

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

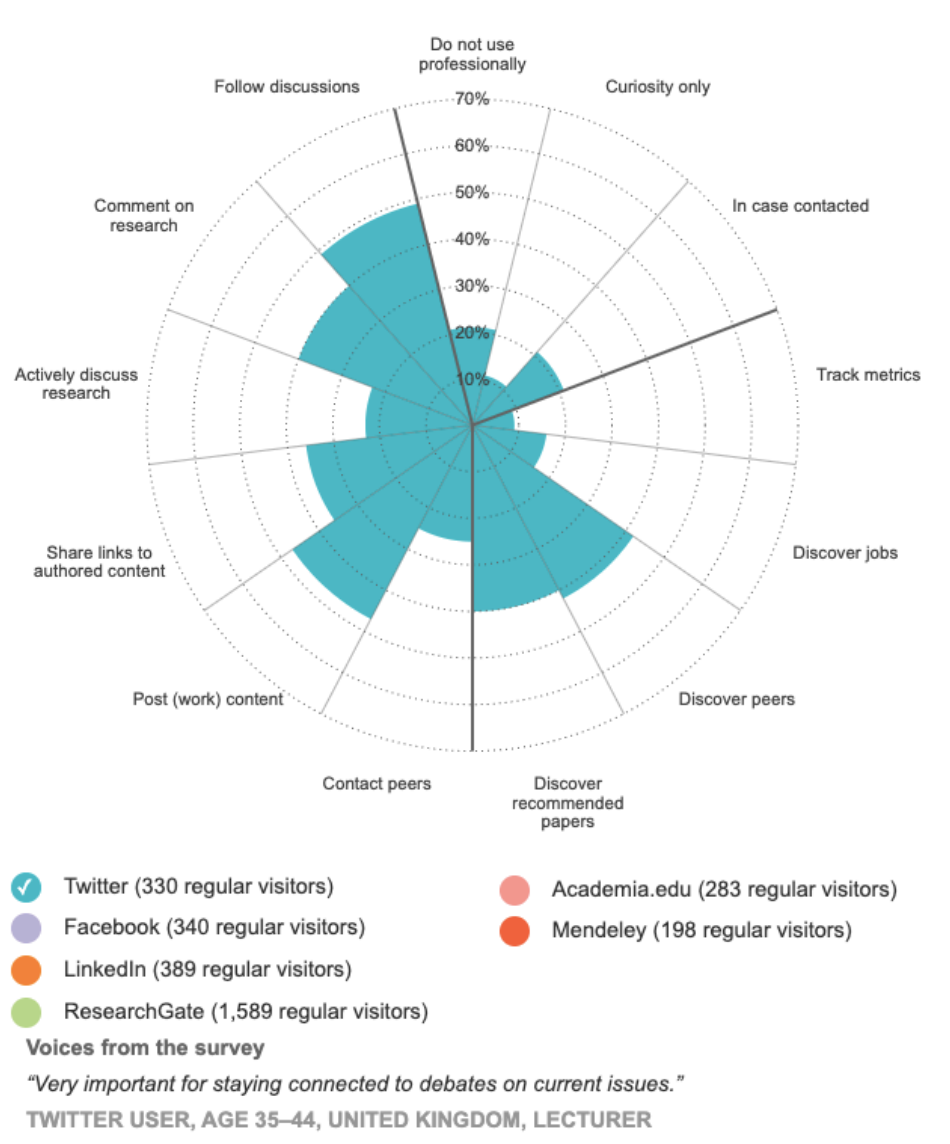
Create a social science network

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

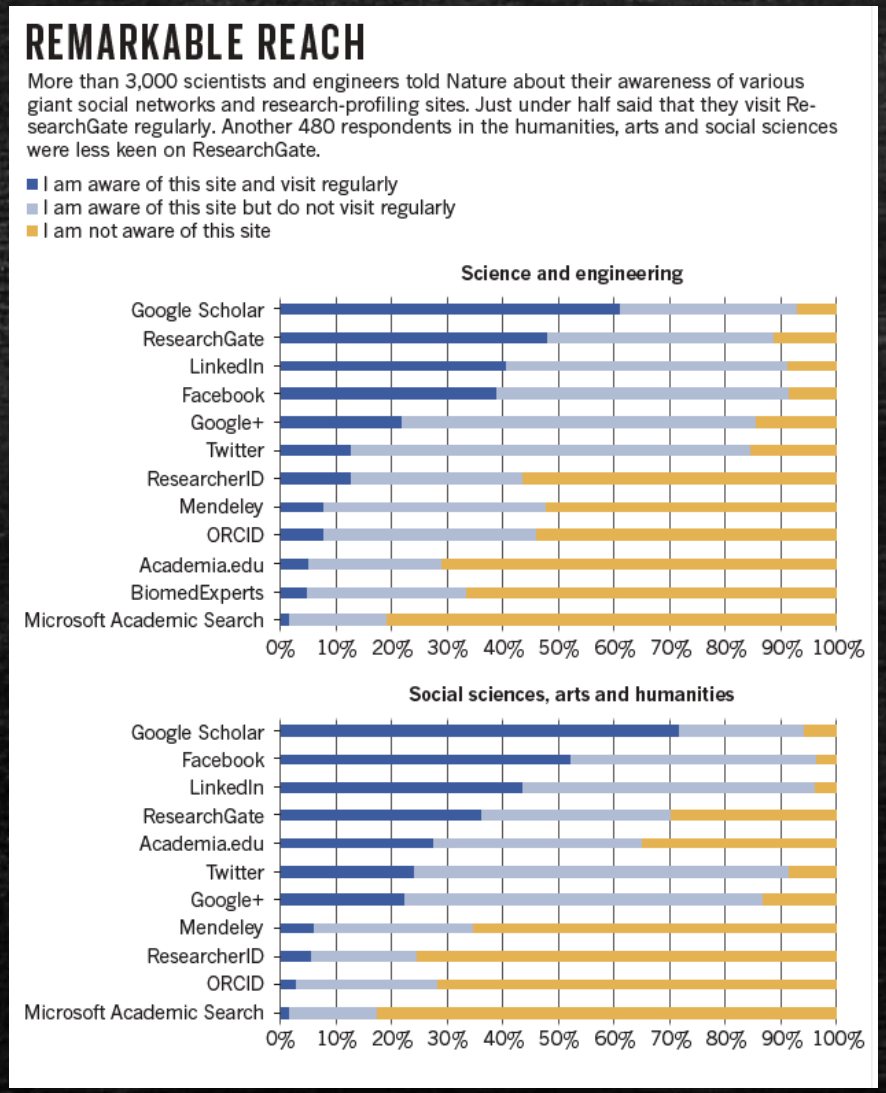
Online collaboration



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



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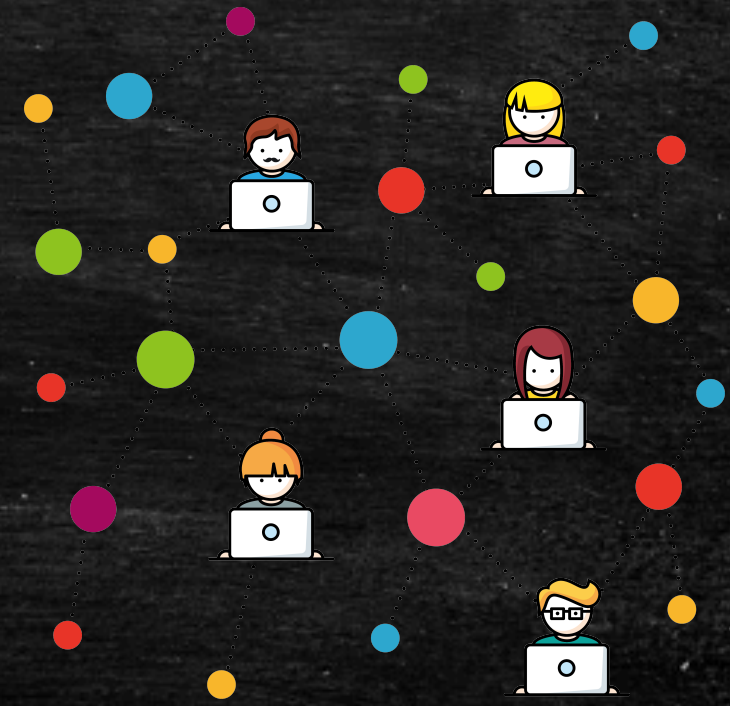
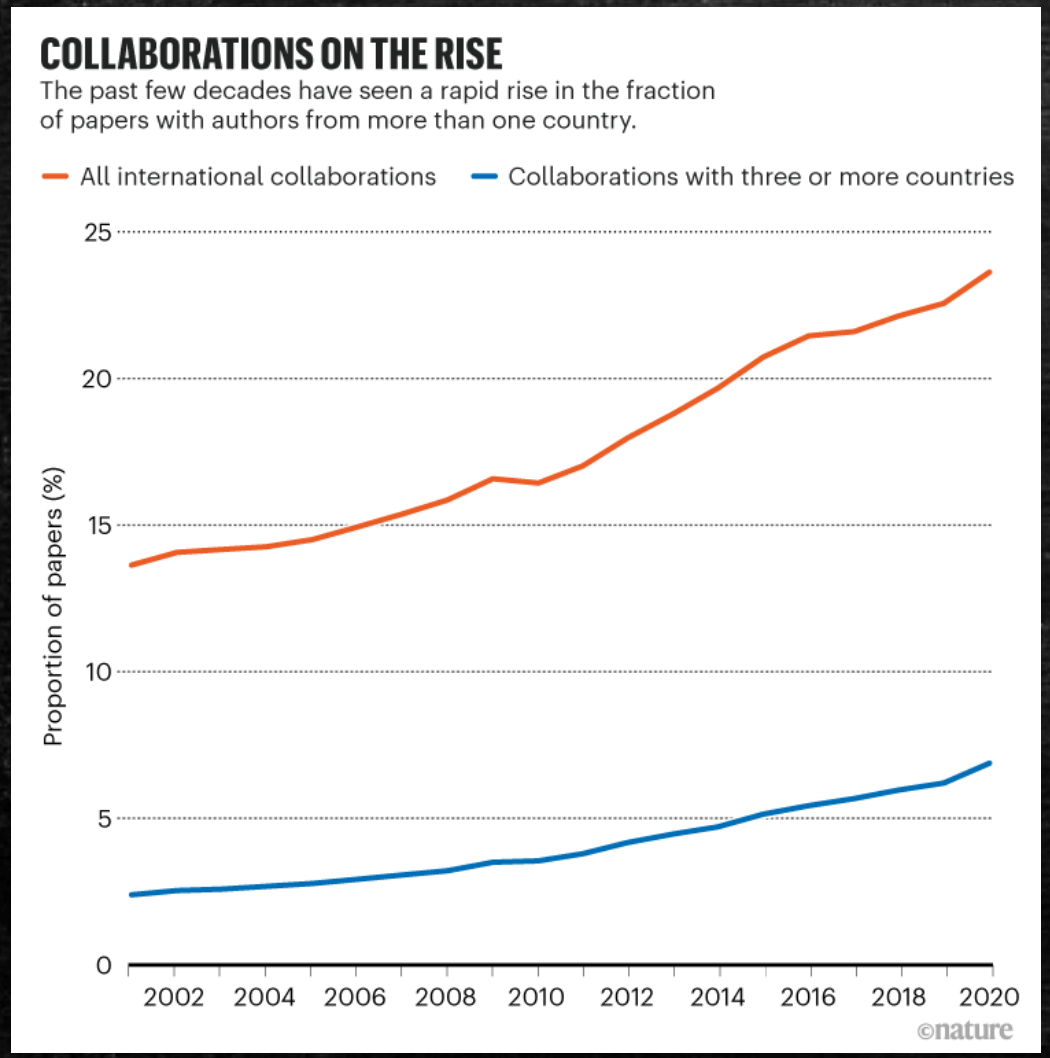


Source: Online collaboration: Scientists and the social network - https://www.nature.com/news/online-collaboration-scientists-and-the-social-network-1.15711

Global science collaboration

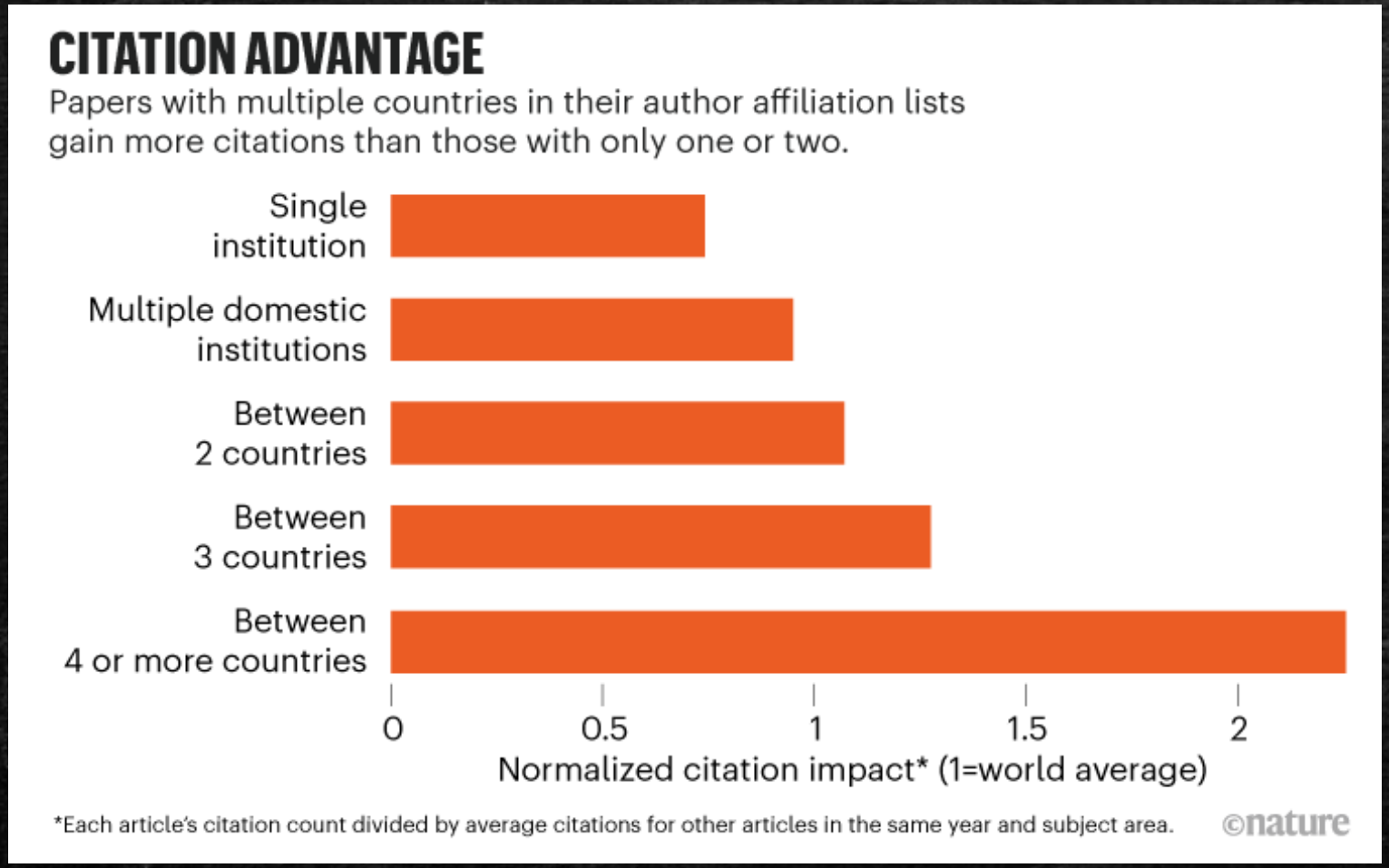


Authors from more than one country

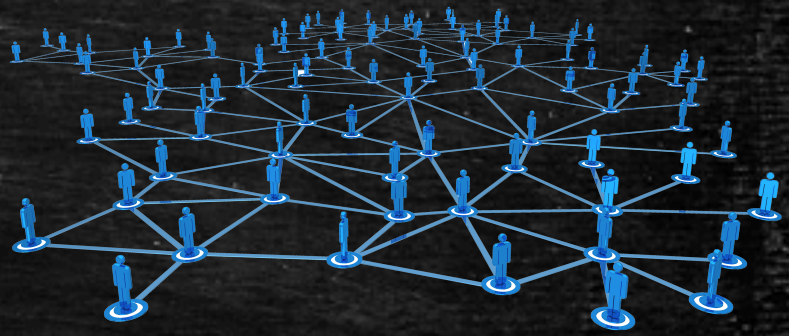
Source: How the COVID pandemic is changing global science collaborations

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

Global science collaboration



Multiple countries.



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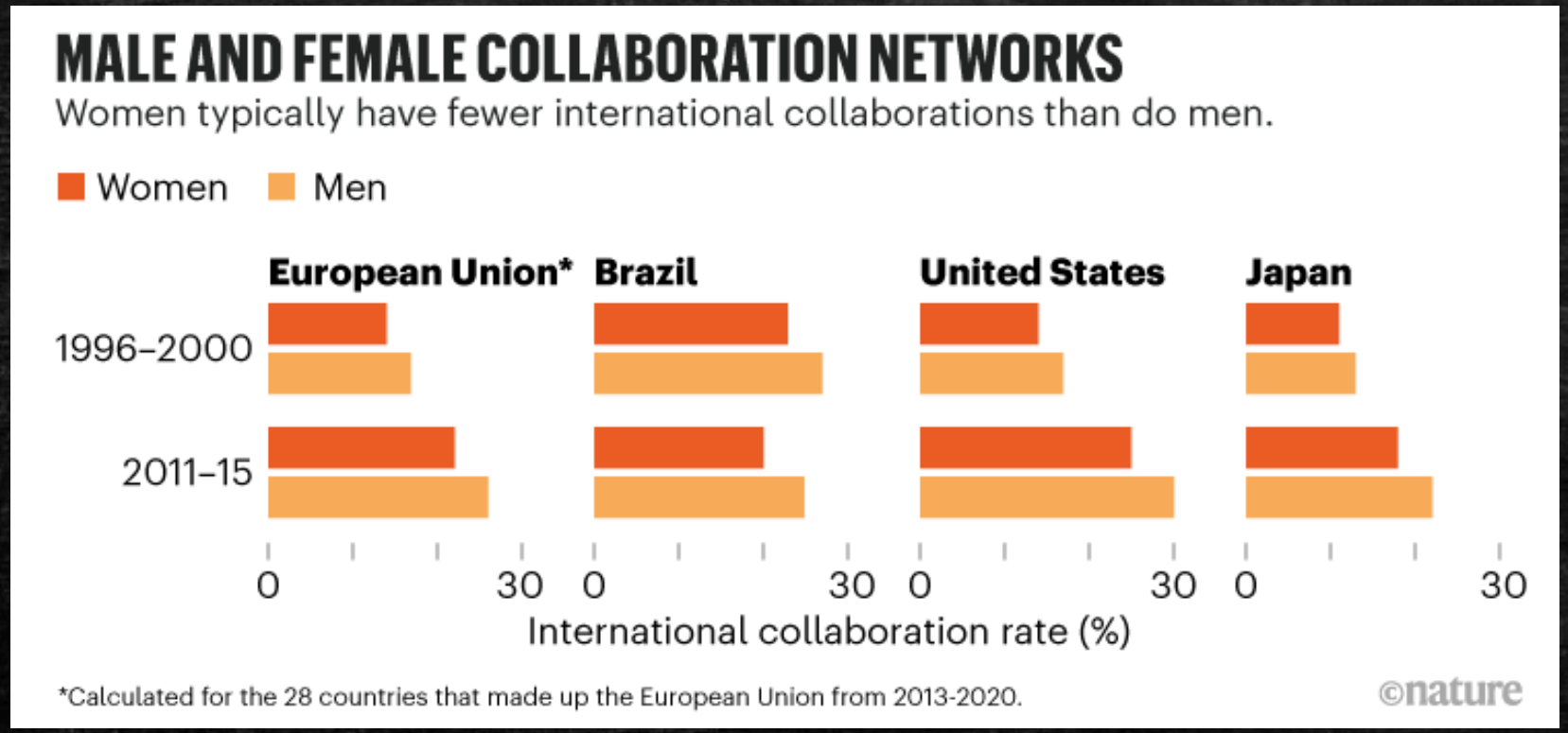
Global science collaboration

Male and female.



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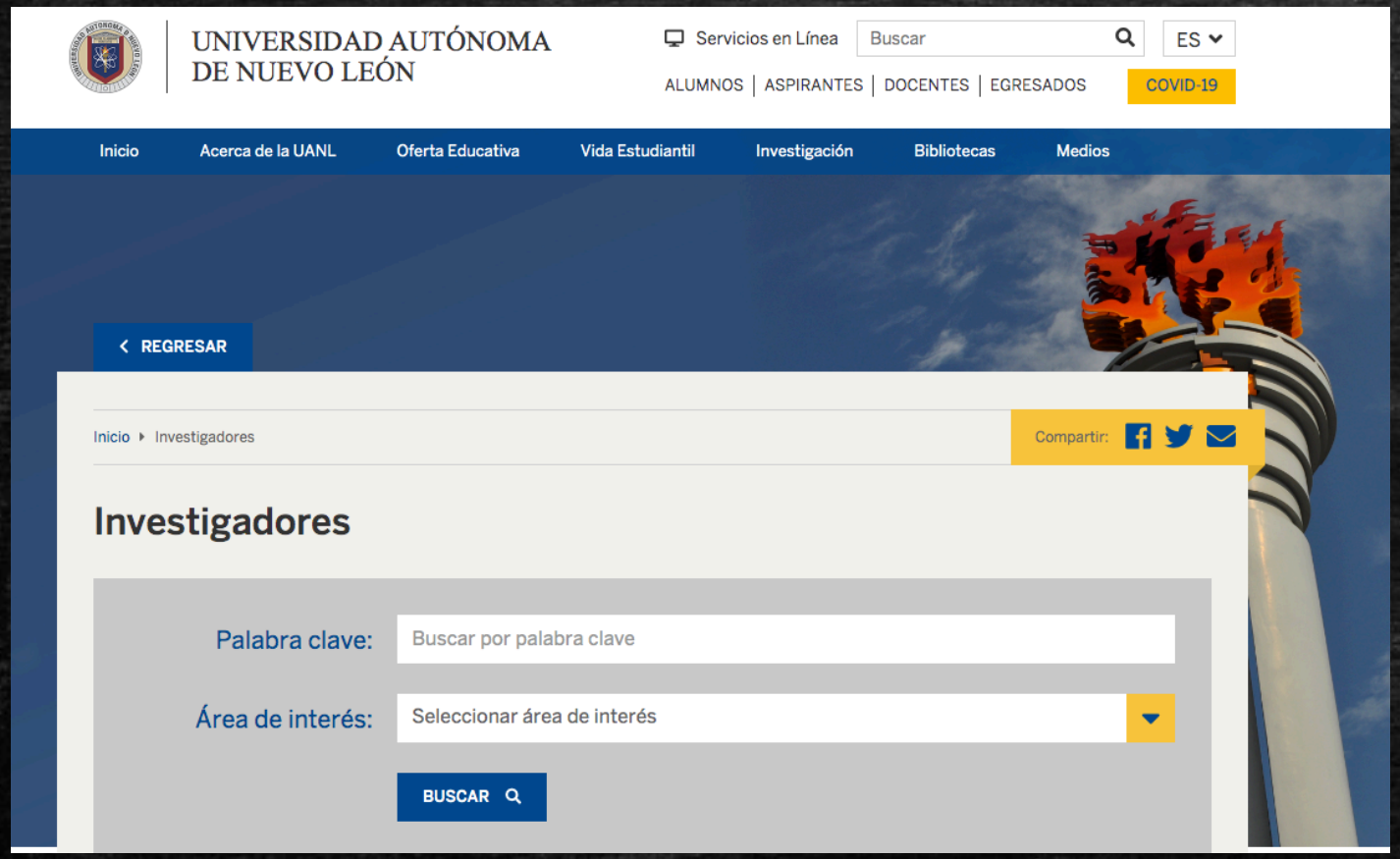
Researchers in the UANL



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

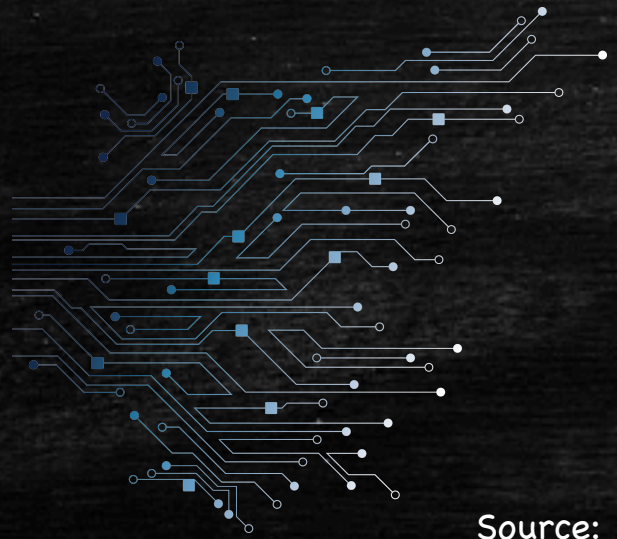
ResearchGate

Source: Investigadores UANL - https://www.uanl.mx/investigadores/

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.



Source: Investigadores UANL - https://www.uanl.mx/investigadores/

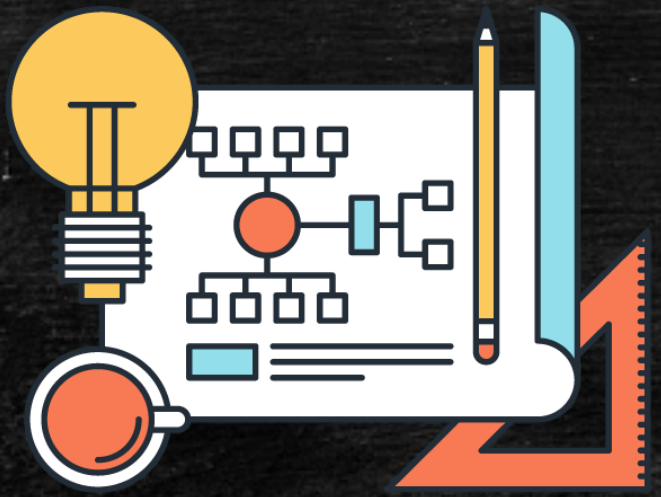
Platform

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

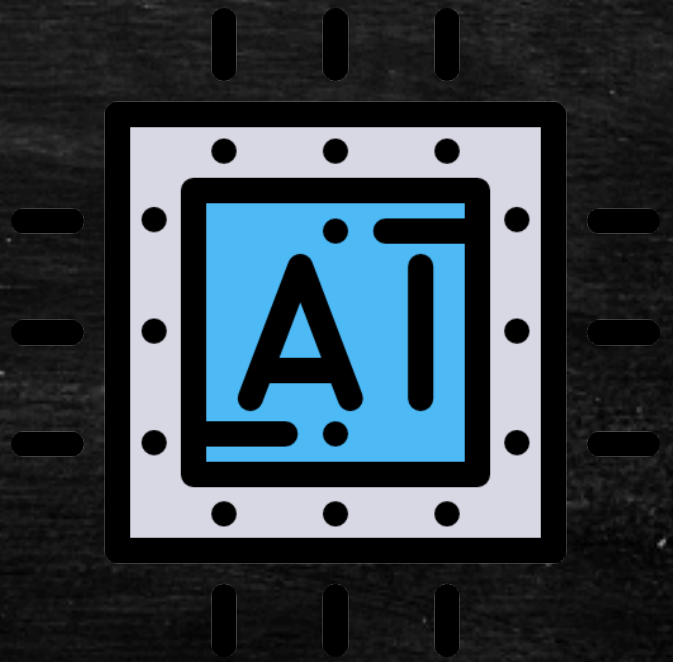
The system will not only obtain money, but also solve societies principal requirements (the greater good).

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

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References

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Elgg - https://elgg.org/