

**Communities of Practice in
Latin America and their
influence in dissemination
of Open Science**



Team Presentation



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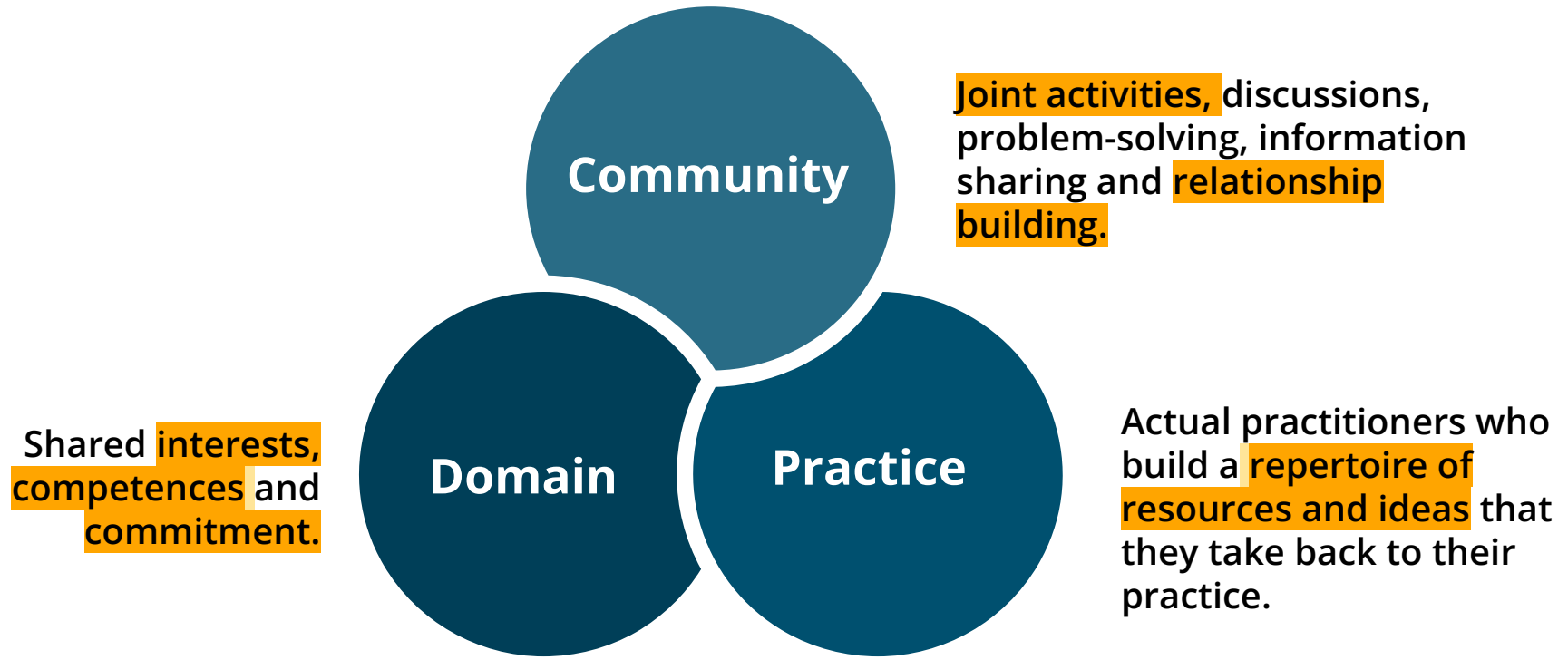
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Community of practice



*“Beyond a mere technological development, **online platforms provide opportunities for participation and inclusion** and afford people new personalised ways to manage identity, relationships and information”.*

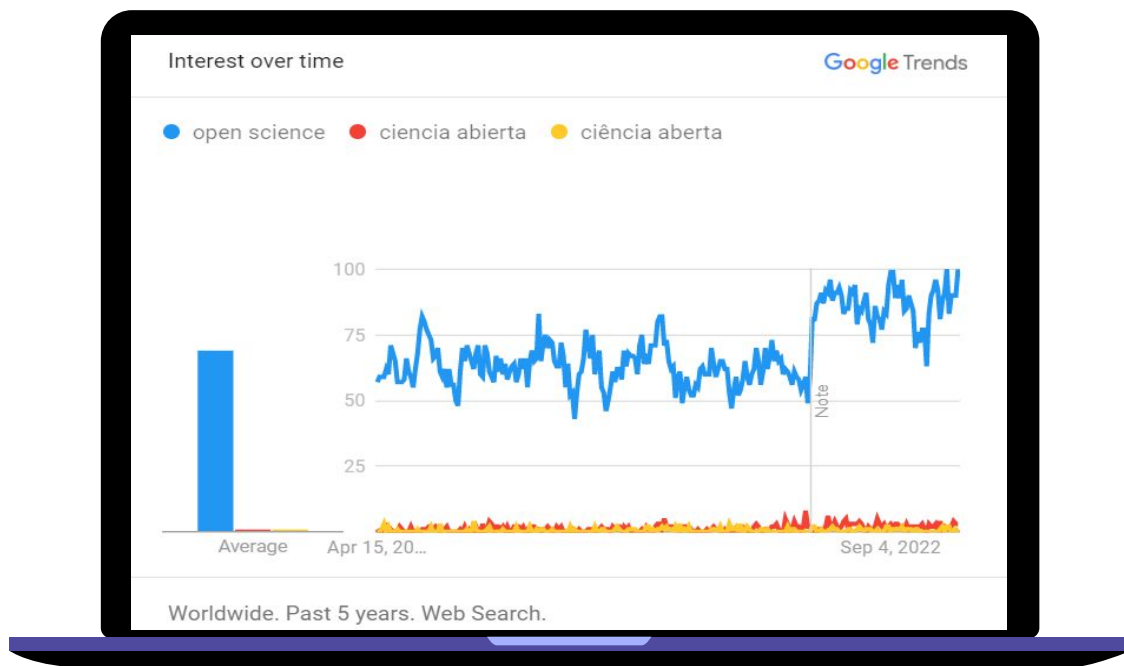
Schmidt
(2014)

The proposed approach

→ Exploratory analysis of terms **open science**, ***ciencia abierta (Spanish)*** and ***ciência aberta (Portuguese)*** with **Google Trends**.

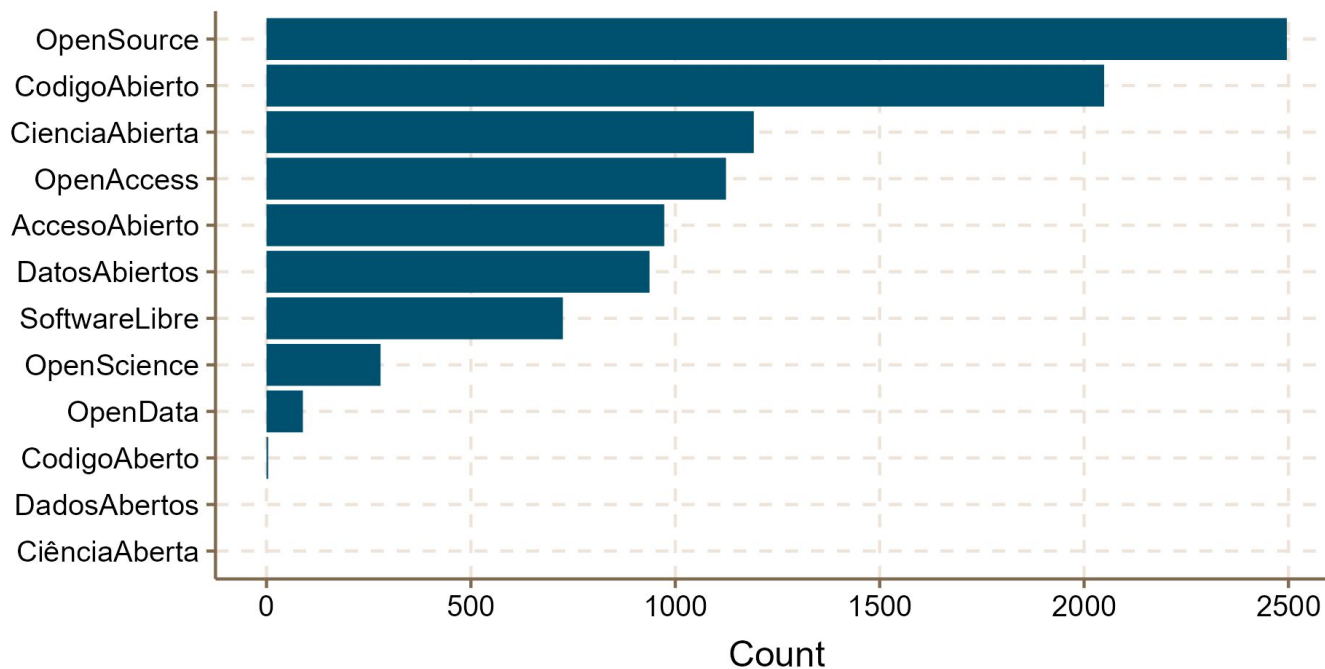
→ **Network analysis of tweets.**

Evolution of searches for open science



Source: Google Trends

Tweets Analysis



Source: own elaboration.


Network Analysis

We selected a sample of:

- **2119 tweets**
- generated by **1423** different **accounts**
- and **retweeted 7405** times
- by **4733 accounts**

Network Analysis

← Tweet


 **R-Ladies BuenosAires**
@RLadiesBA


La próxima semana se desarrollará la @CSVConference por primera vez en Buenos Aires y participaran comunidades amigas 😊

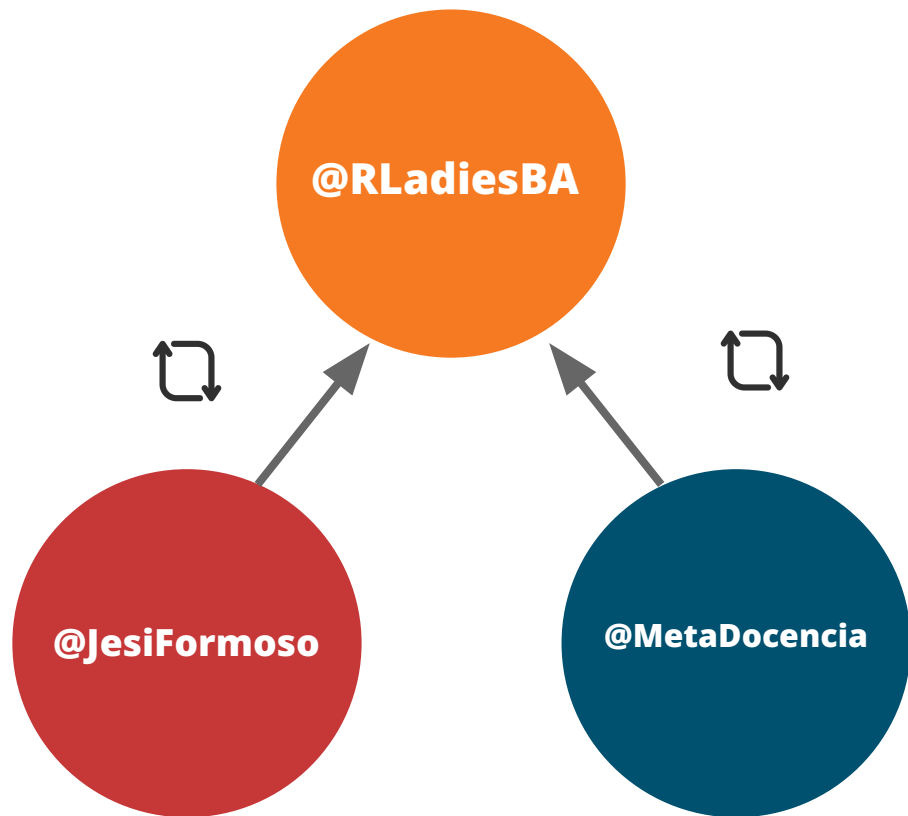
📅 19 al 20 de abril
📍 Novotel Buenos Aires (CABA)
📌 Programa e inscripciones (opción de entrada gratuita)
eventbrite.com/e/csvconfv7-ti...
¡Les esperamos!

2 Retweets 6 Likes

× Retwitteado por

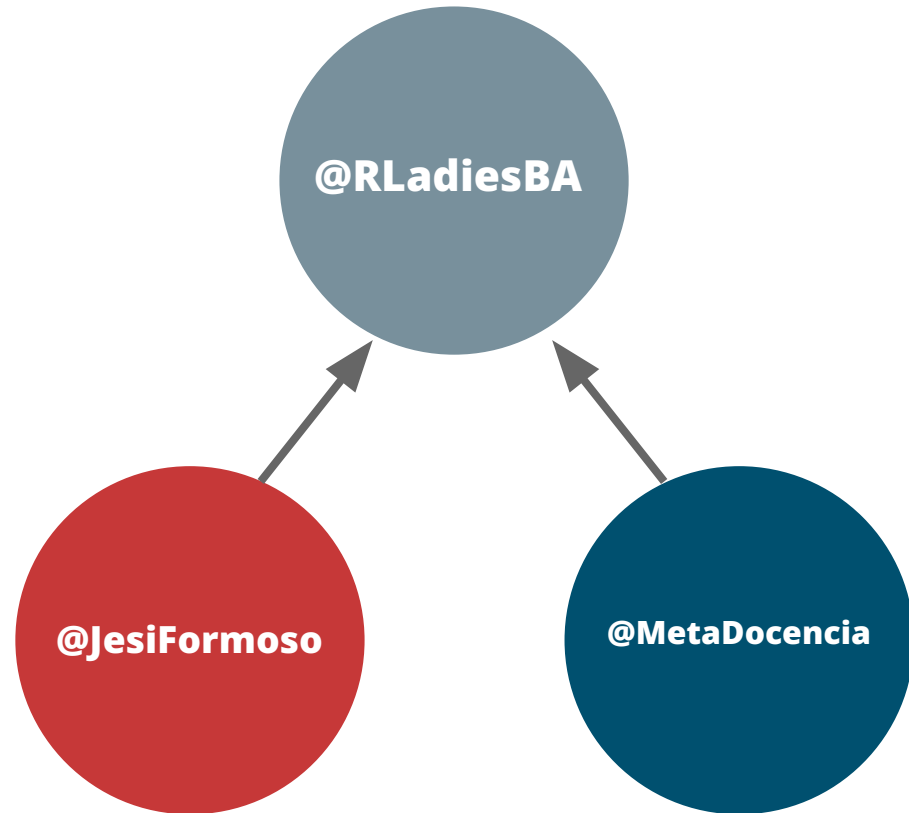
 **Jesi**
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Data scientist / Cognitive psychologist / Researcher at @CONICETDialoga / Teacher at @UBAPsicología #rstats @rladiesBA @metadocencia @ciipme_conicet

 **MetaDocencia**
@metadocencia Follows you
Espacios de aprendizaje, redes de intercambio, recursos abiertos y accesibles para comunidades hispanohablantes que fomentan la ciencia abierta con mirada local

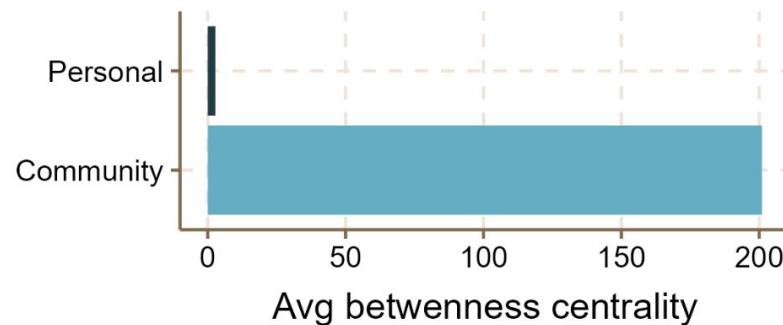
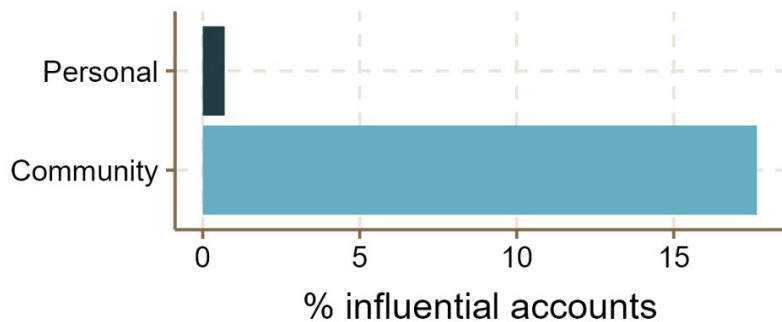
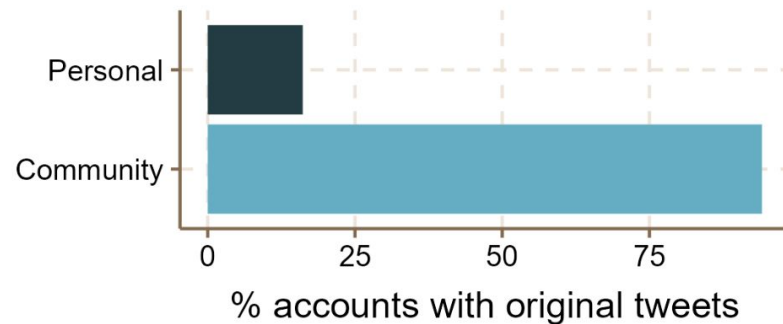
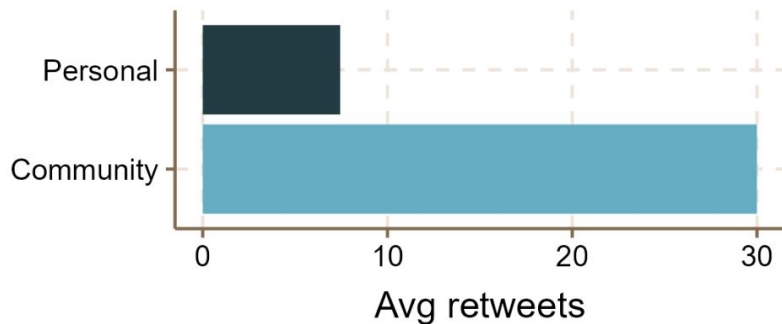


Network Analysis

Betweenness centrality

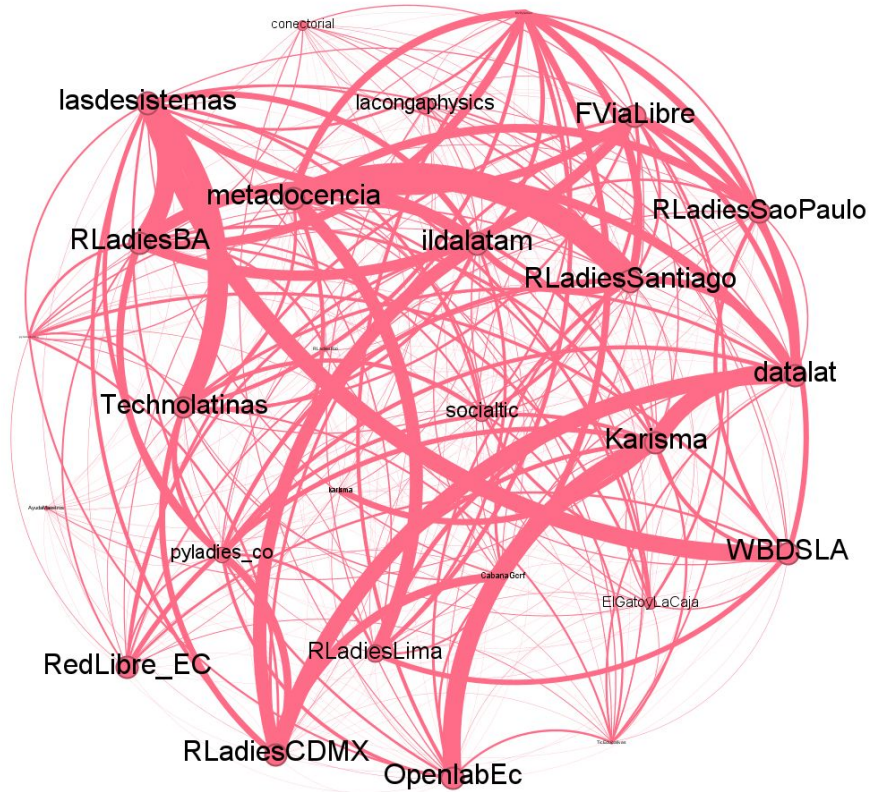


Network Analysis



Network Graphic

- **Nodes** = Users
(community accounts)
- **Edges** = Followers



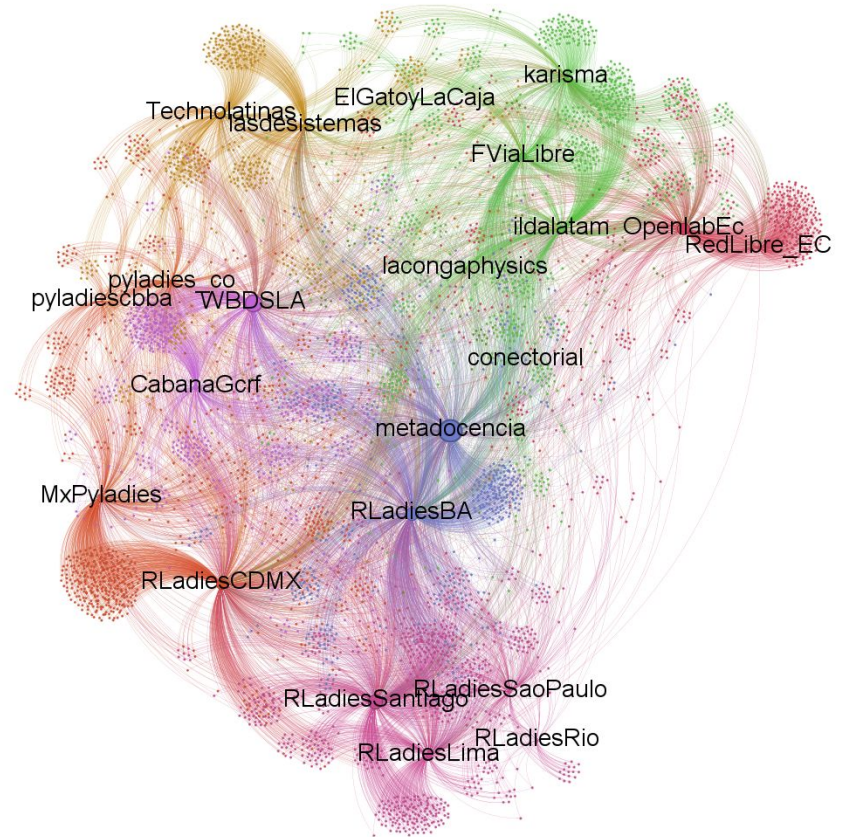
Network Graphic II

→ **Nodes:**

- ◆ Communities
- ◆ Followers

→ **Edges:**

- ◆ If user follows a community

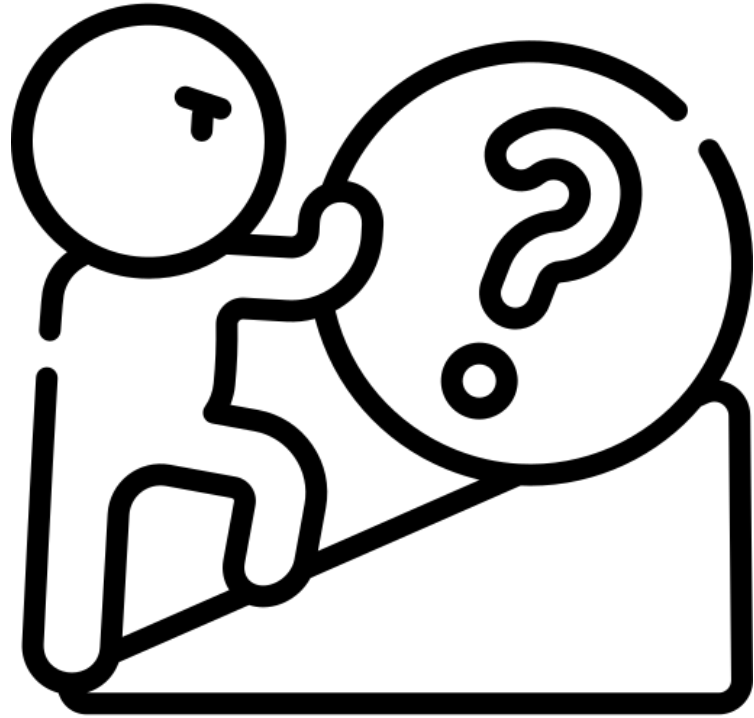


Source: Own elaboration based on the data obtained in the study.

Final Remarks

- Modularity, mostly associated to **geographic localization and purpose** of the community of practice
- Communities of practice have a **dissemination power**
- Communities of practice have a **key role in the connection of users**

Difficulties



Thanks!

Any questions?



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