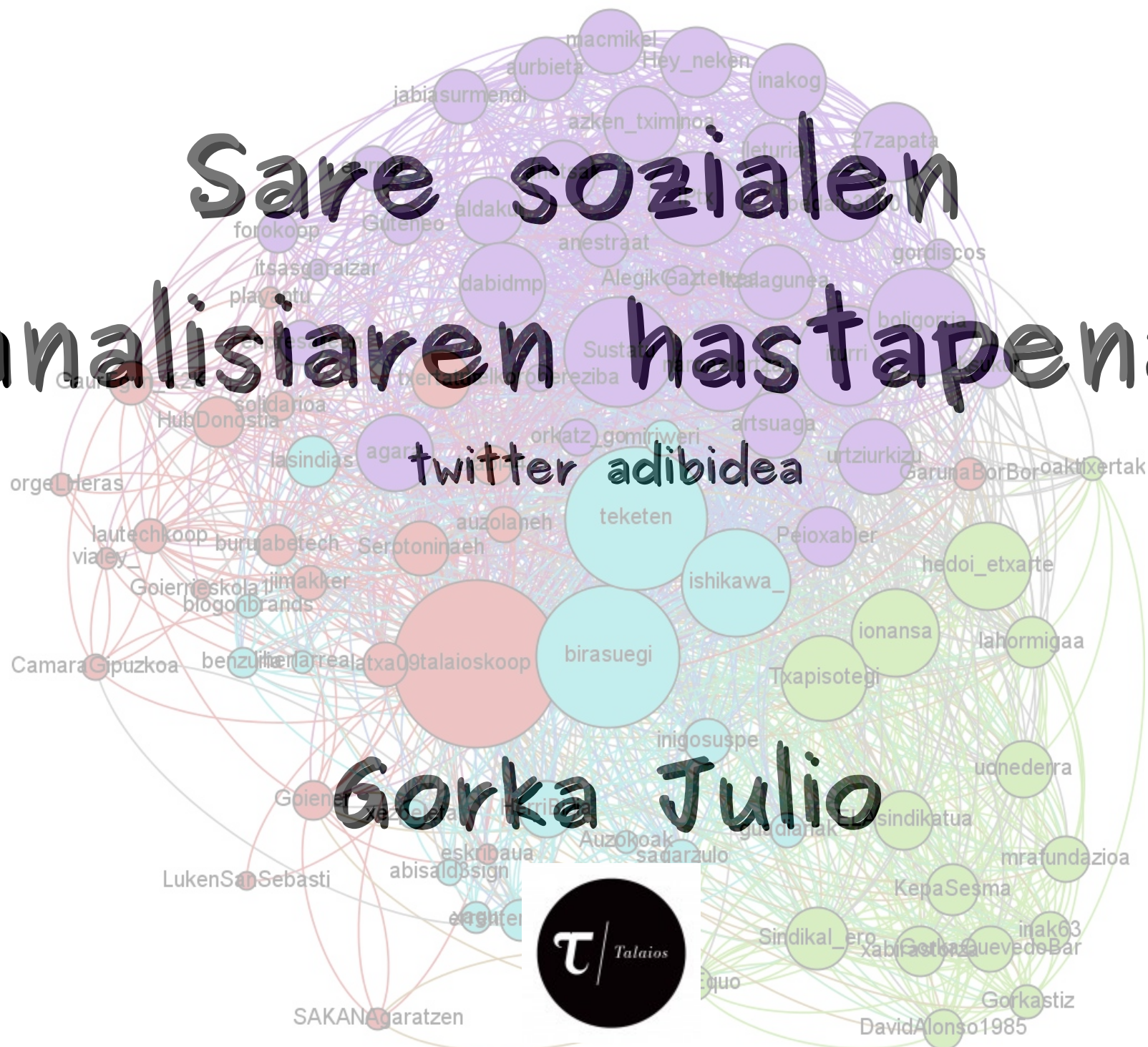
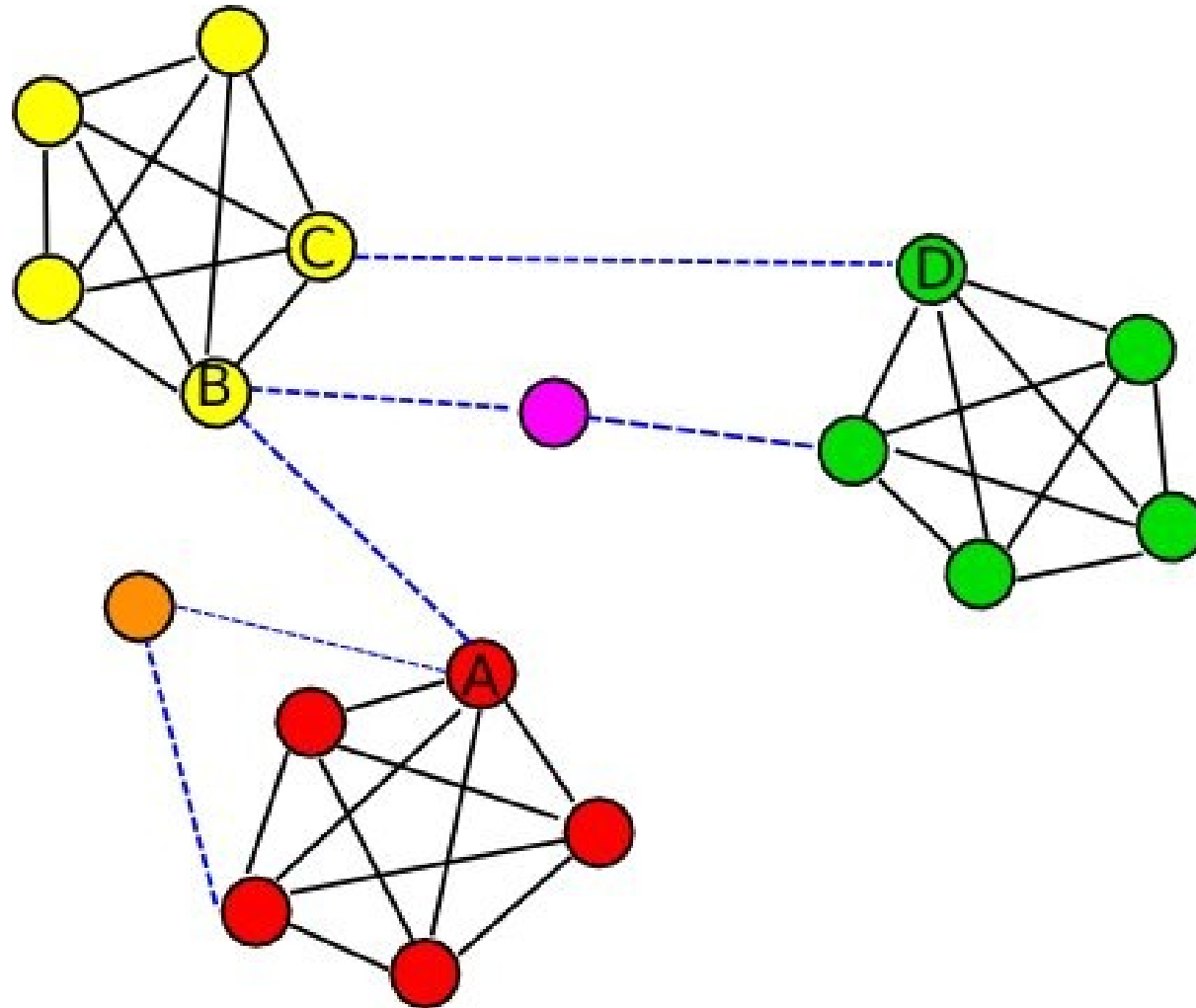


Sare sozialen analisiaren hastapenak

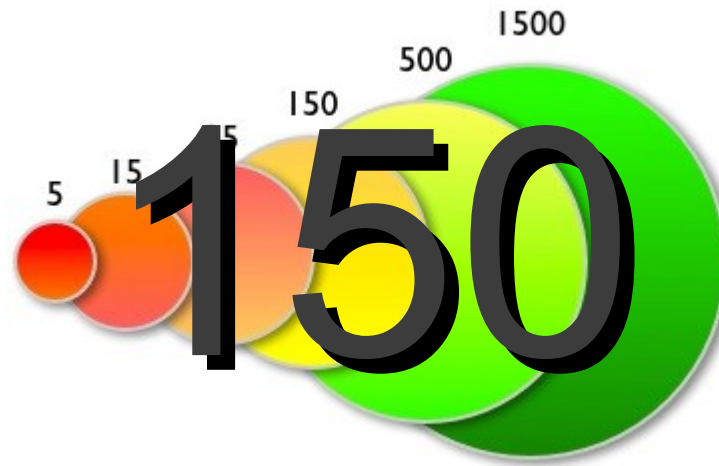


Lotura arinen indarra



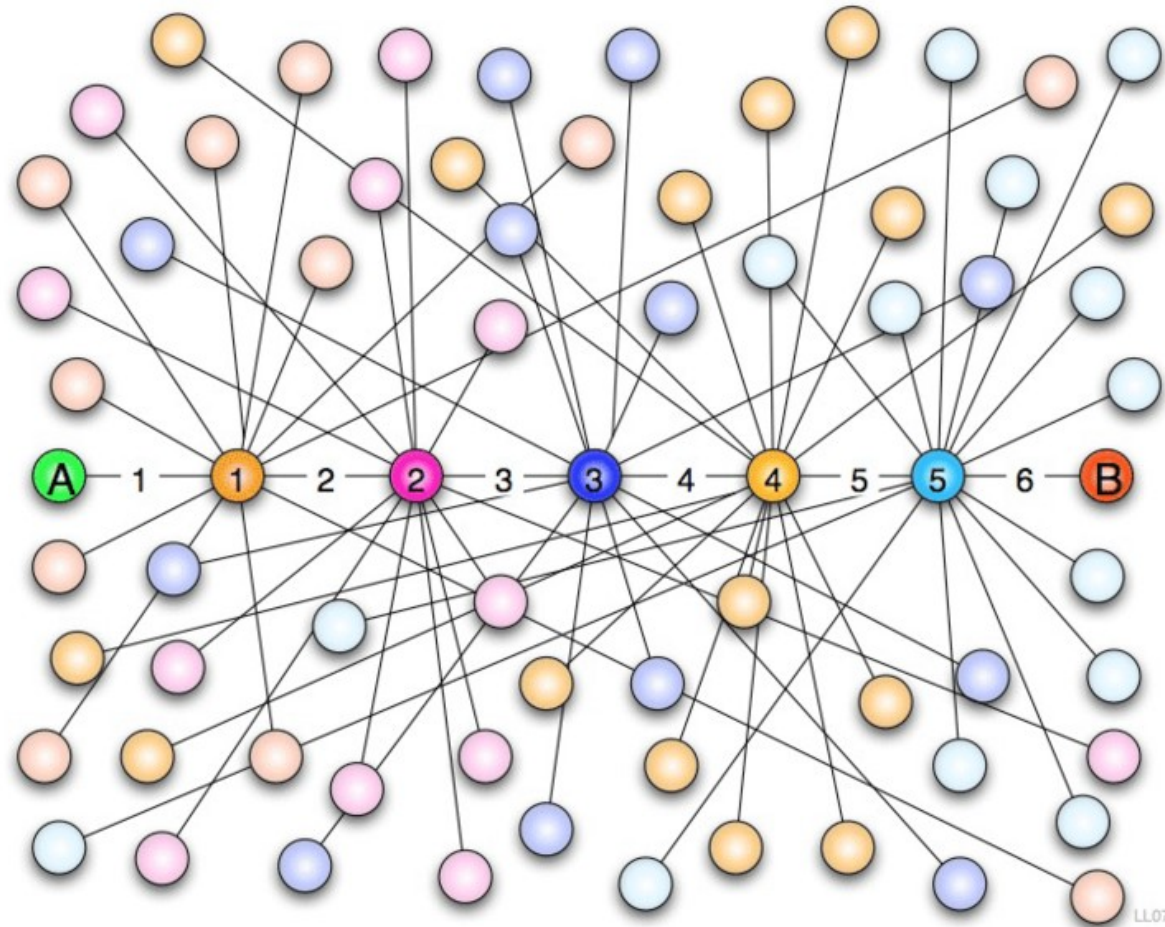
Mark Granovetter (the strength of weak ties)

Dunbarren zenbakia



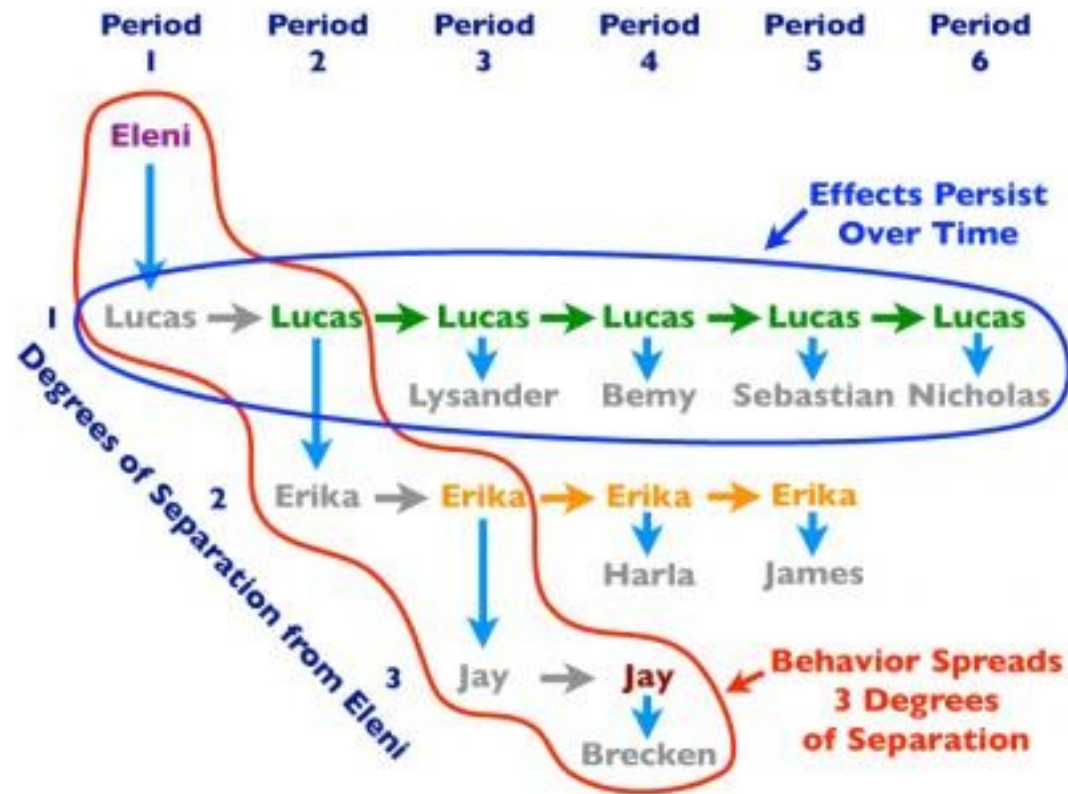
Dunbarren zenbakia

Mundu txikia



Stanley Milgram (small world experiment)

3 graduen araua



Nicholas A. Christakis eta James H. Fowler
(Connected)

Matxinatze atalasea

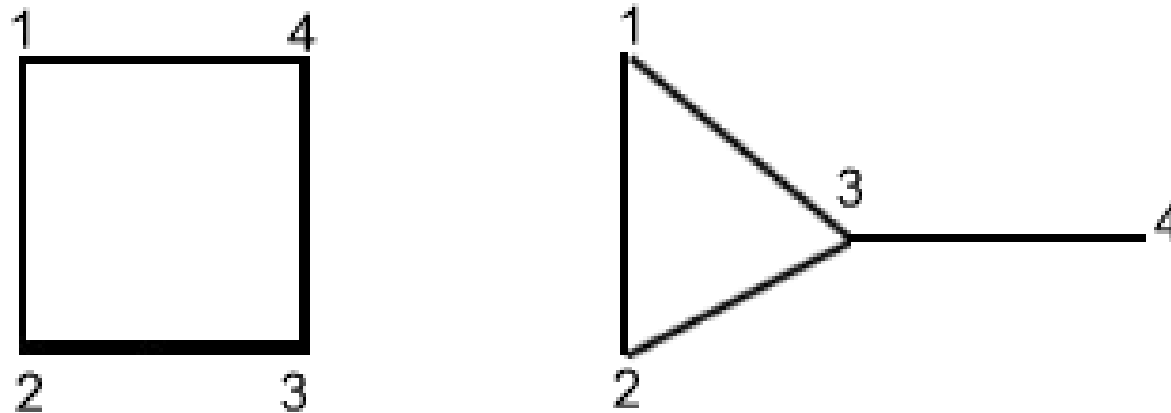


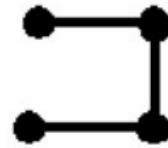
Fig. 1. Dos formas de red alternativas

Michael Chwe
Juan Urrutia (Umbral de rebeldia)

Sareak boterea, deszentralizazioa, askatasuna eta gatazka



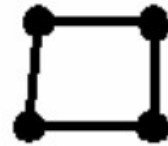
3 conexiones
EDM= 3



3 conexiones
EDM= 1



4 conexiones
EDM= 3/4



4 conexiones
EDM= 1/2



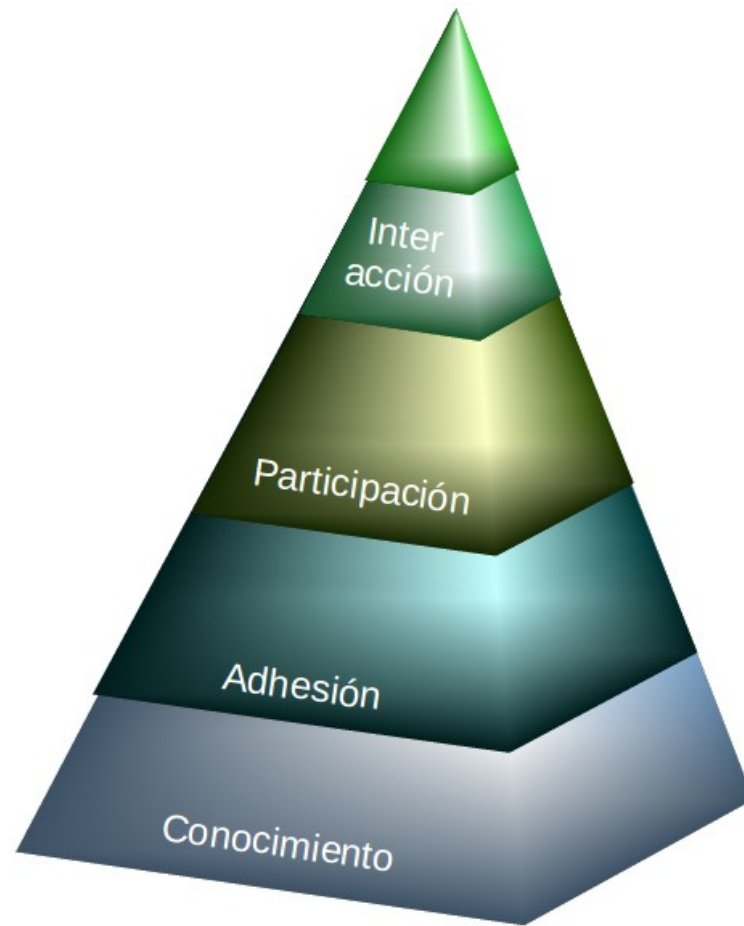
5 conexiones
EDM= 1/4



6 conexiones
EDM= 1/6

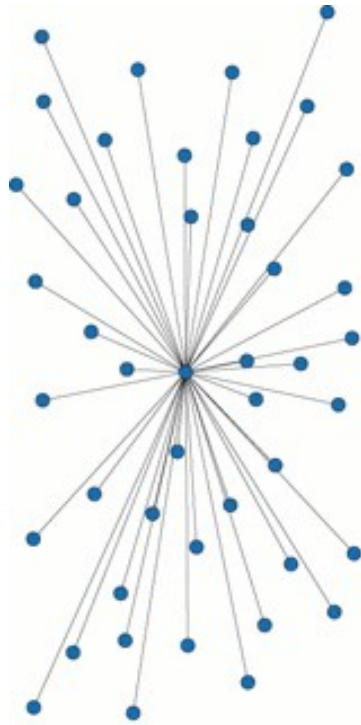
Iñigo Medina
Juan Urrutia
Enrique Gómez
David de Ugarte

Komunitateen garrantzia

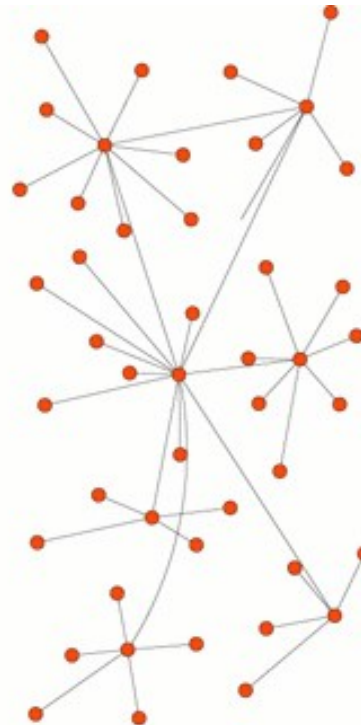


Konpromezuaren piramidea (lasindias.coop)

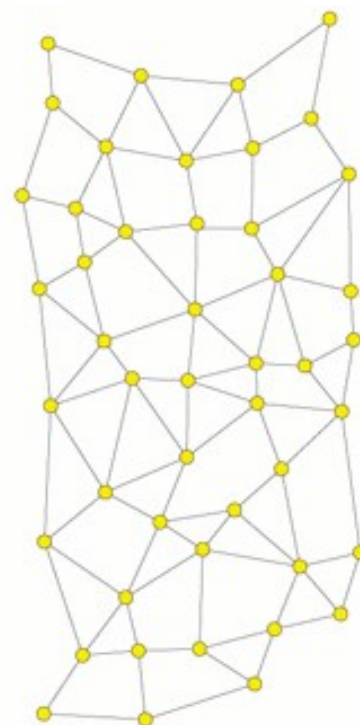
Sare topologiak



RED CENTRALIZADA



RED DESCENTRALIZADA



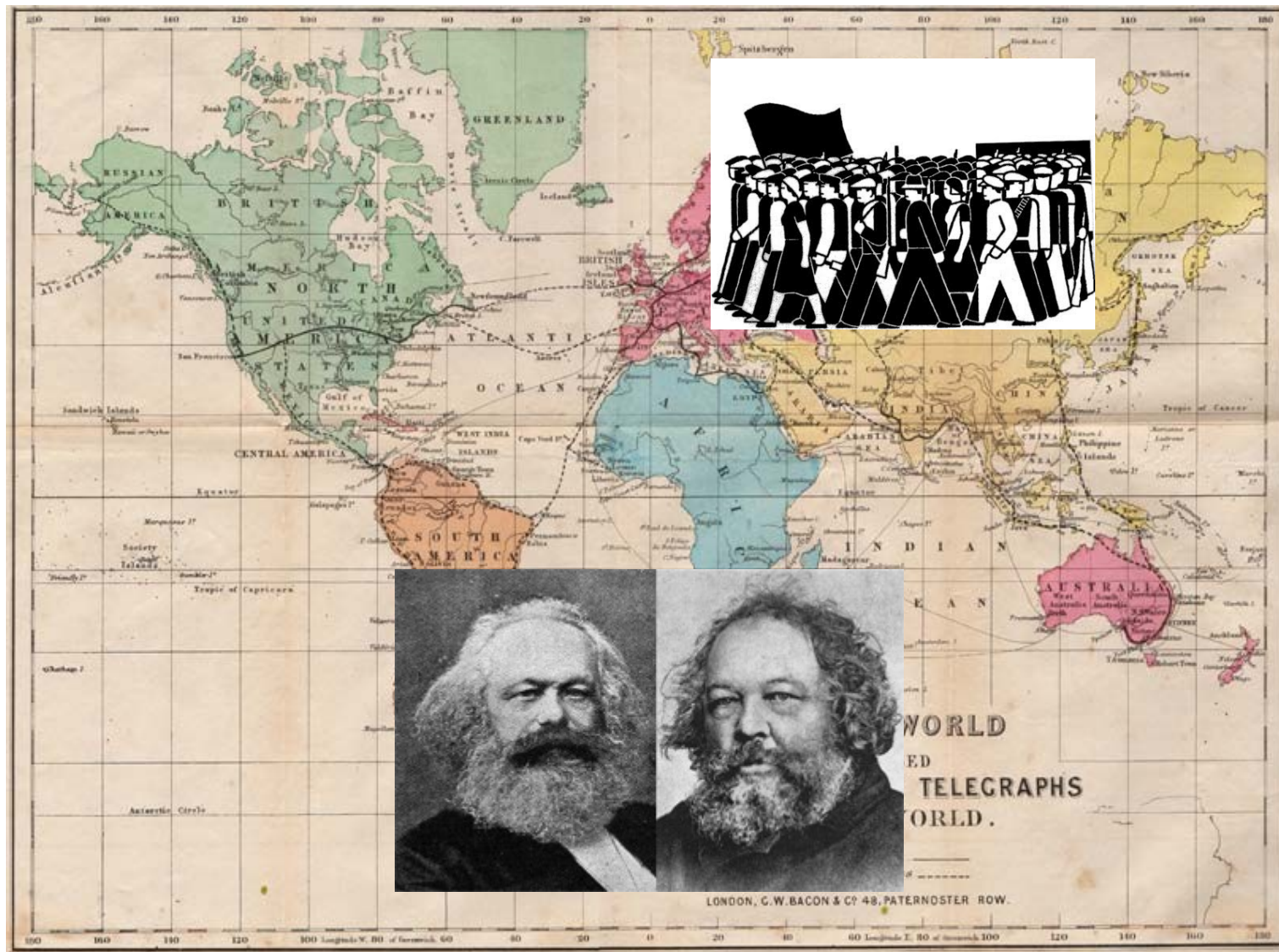
RED DISTRIBUIDA

Paul Baran

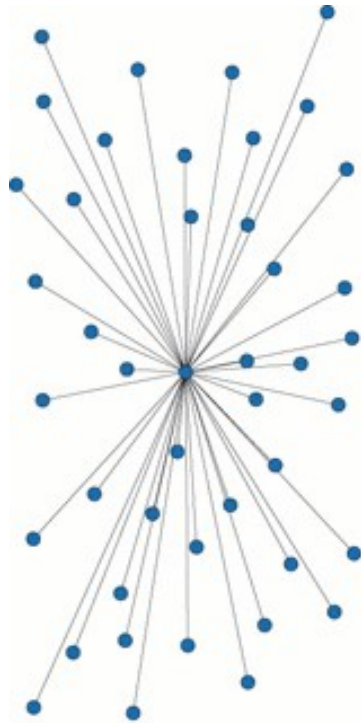
Komunikatzeko aukera eraldaketarako lehen pausoa



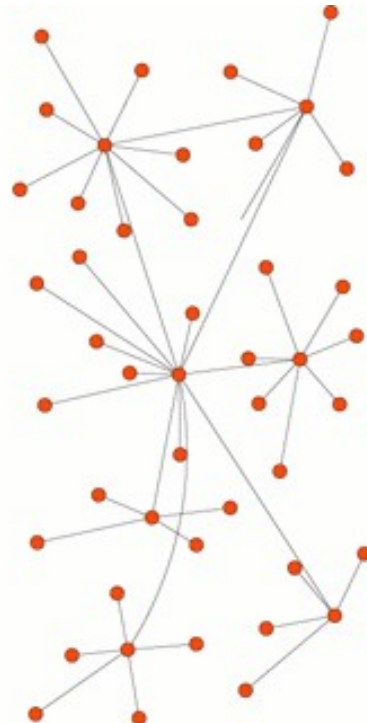
Komunikatzeko aukerak eraldaketarako lehen pausoa



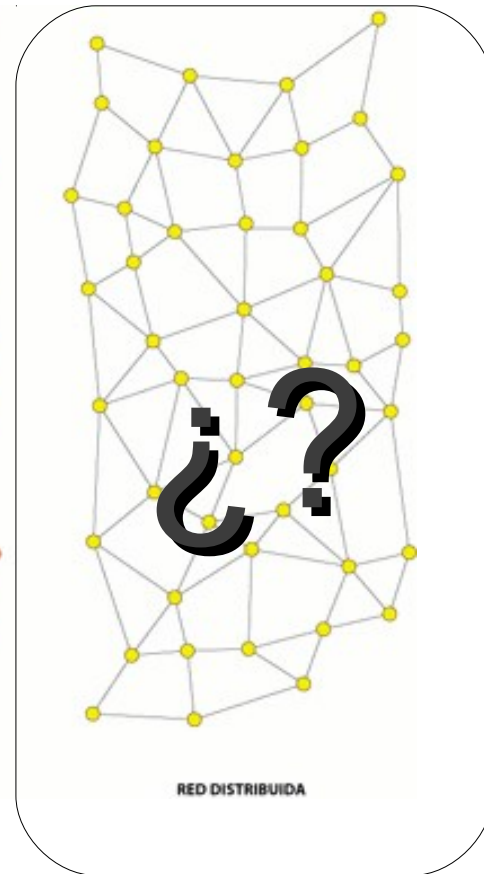
Internet



RED CENTRALIZADA



RED DESCENTRALIZADA

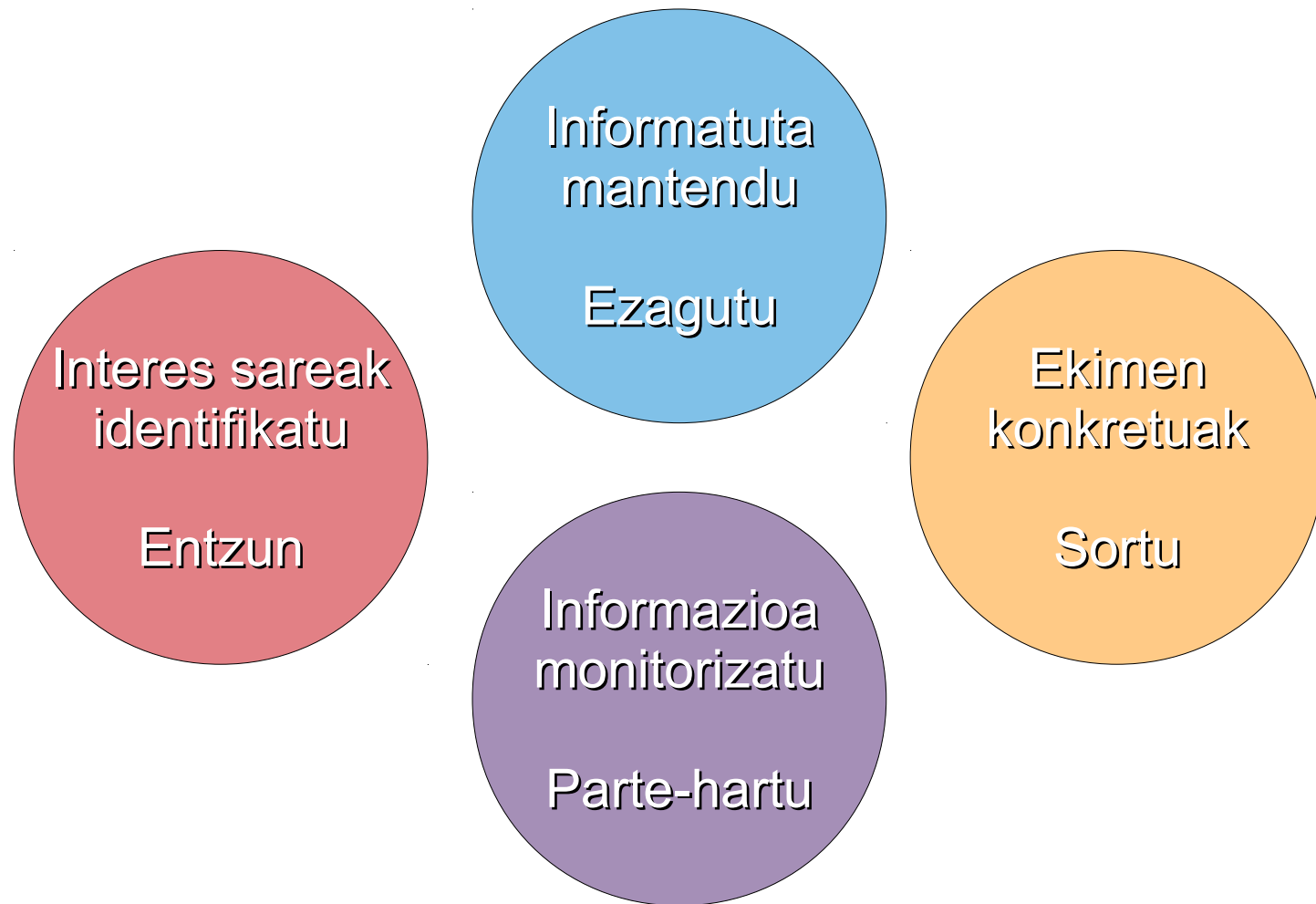


RED DISTRIBUIDA

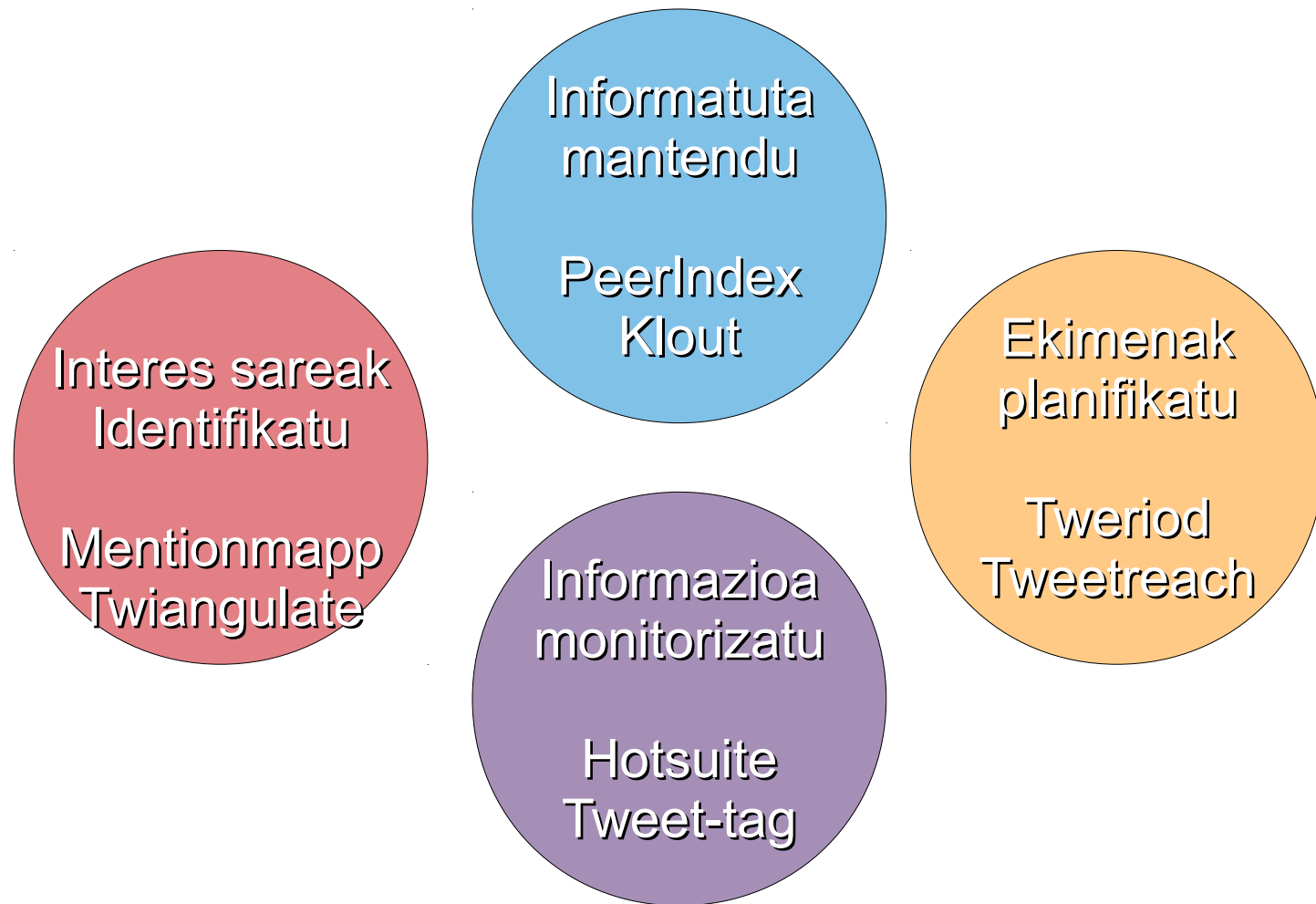
Interneteko sare sozialak



Sare sozialak landu



SSA (SNA) aurreratua



Sare soziafen analisi aurreratua



Gp Gephi

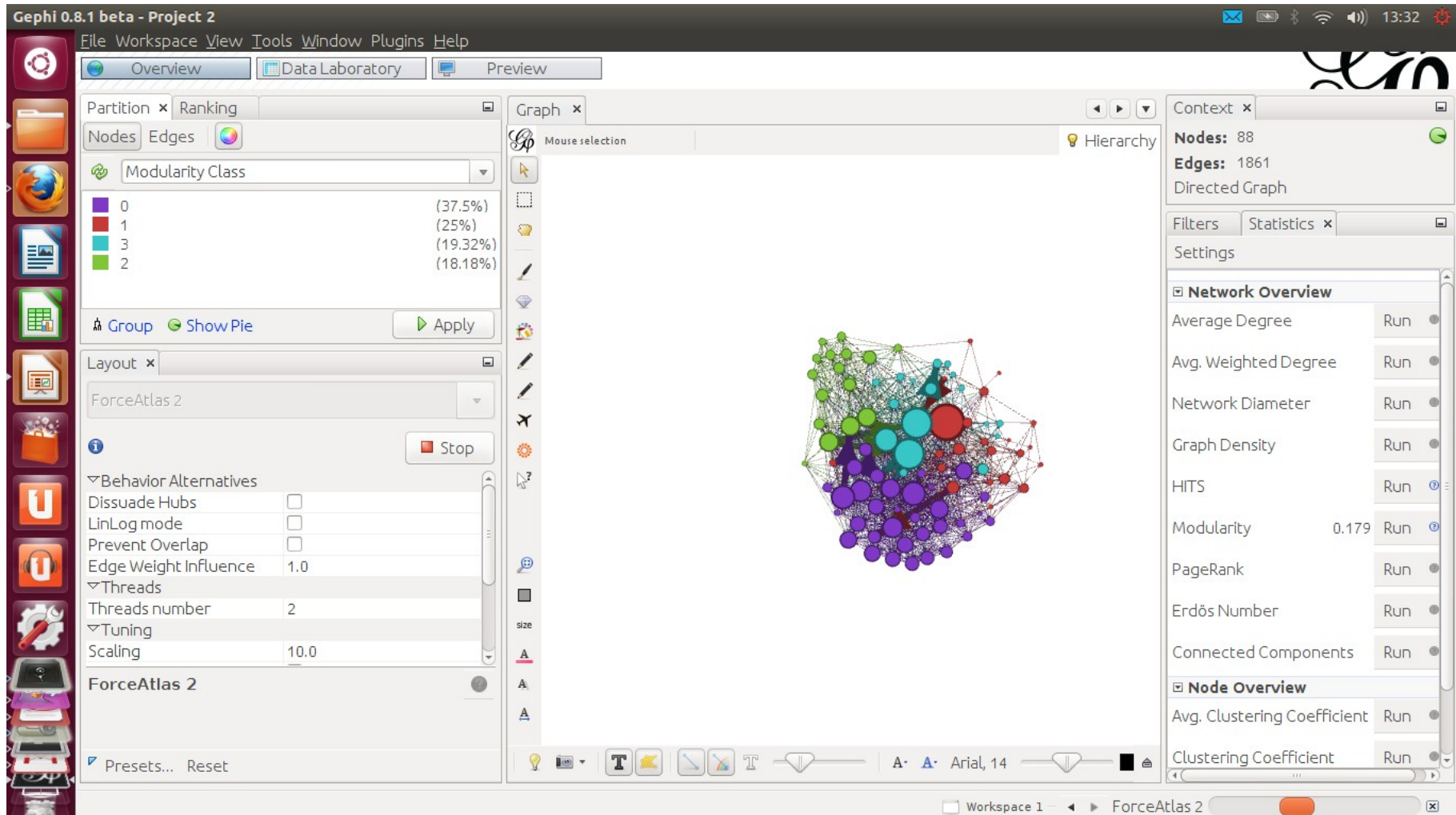
SSA (SNA) aurreratu datuak eskuratu

The screenshot shows the NodeXL software interface. On the left, the 'Import from Twitter User's Network' dialog box is open. It contains the following options:

- Get the Twitter network of the user with this username:
- Add a vertex for each:
 - ☐ Person followed by the user
 - ☒ Person following the user
 - ☐ Both
- Add an edge for each:
 - ☒ Followed/following relationship
 - ☒ "Replies-to" relationship in latest tweet
 - ☒ "Mentions" relationship in latest tweet
- Levels to include: 1.5
- ☐ Add a Latest Tweet column to the Vertices worksheet
- ☐ Expand URLs in latest tweets (slower)
- ☐ Limit to 100 people
- [Why this might take a long time: Twitter rate limiting](#)
- Your Twitter account:
 - ☒ I don't have a Twitter account. It may take longer to import the network.
 - ☐ I have a Twitter account, but I have not yet authorized NodeXL to use my account to import Twitter networks. Take me to Twitter's authorization Web page.
 - ☐ I have a Twitter account, and I have authorized NodeXL to use my account to import Twitter networks.

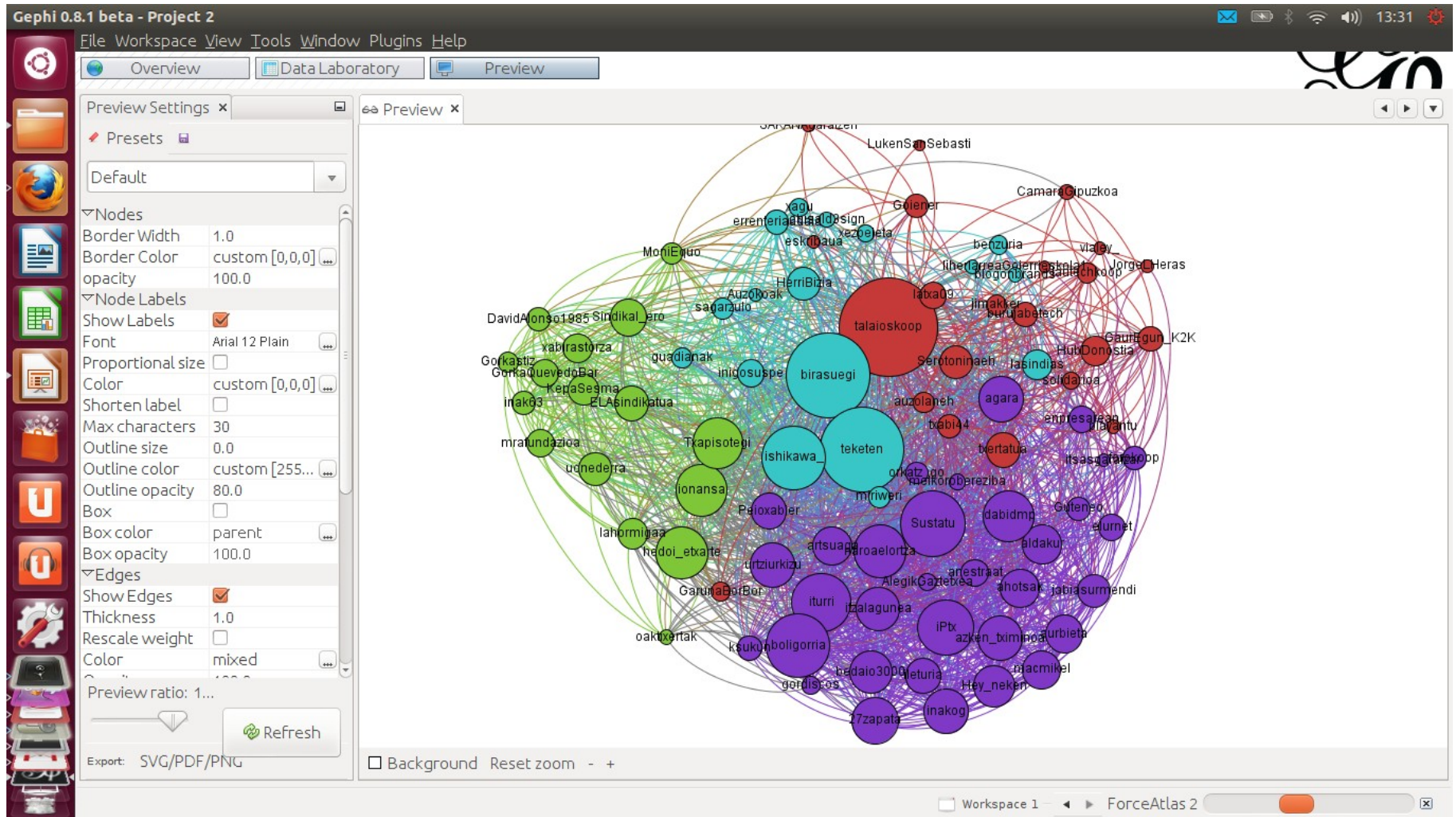
The main NodeXL interface is visible in the background. It includes a ribbon with tabs: Review, View, Add-Ins, NodeXL, and Design. The Design tab is active, showing options for Color, Vertex Shape, Opacity, Vertex Size, Visibility, Edge Width, Graph Metrics, Subgraph Images, Groups, and Analysis. The main workspace displays a table with columns G, H, I, J, and N. The table has a header row with 'Labels' and 'Other Column'. Below the header, there are rows for 'Visibility', 'Label', 'Color', 'Size', and 'Add Your Own Columns Here'. The status bar at the bottom shows 'Count: 17' and '100%'. The Windows taskbar at the bottom shows the Start button and several application icons. The system tray at the bottom right shows the time '10:28' and date '2012/11/23'.

SSA (SNA) aurreratu datu analisia



SSA (SNA) aurreratua

datu analisi emaitza



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