



Introduction to Collaborative Innovation Networks (COINs)

March 6, 2020

The Healthy Start EPIC Center is operated by the [National Institute for Children's Health Quality](#). This project is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number 1 UF5MC327500100 titled Supporting Healthy Start Performance Project.

National Institute for Children's Health Quality



Webinar Agenda

Topic	Speaker
Housekeeping	Tess Pritchard
Welcome	Kenn Harris
Overview of Healthy Start COIN	Mary Emanuele
Creating COINs for Healthy Start	Peter Gloor
Q&A	Peter Gloor
Next Steps for Healthy Start COIN	Kenn Harris
Closing	Kenn Harris

Meeting Logistics

Please note the following:



- This session is being recorded, and will be archived for future viewing.



- All participants are muted upon entry. We ask that you remain muted to limit background noise.

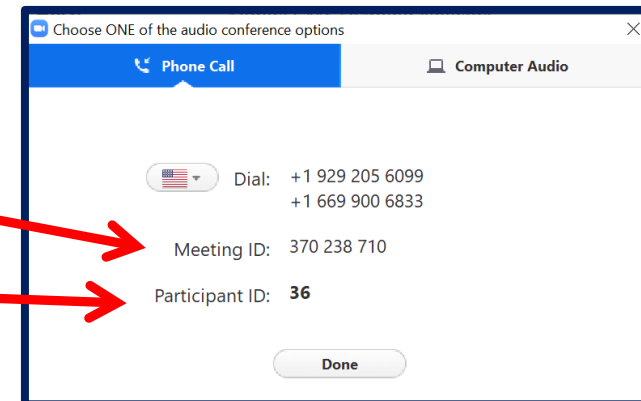
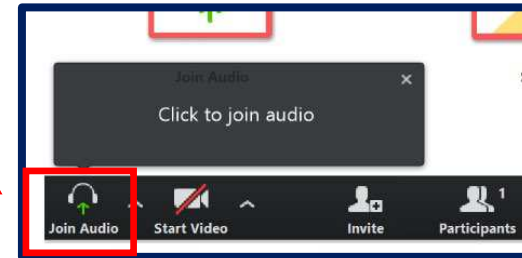


- Members are encouraged to participate in the discussion by typing your comment/asking questions using the chat box.

Connecting to the Audio Conference

- Join Zoom Meeting by **clicking Zoom Meeting link** & launching the Zoom application
- An audio conference box will appear
 - If you do not see the box click the **'Join Audio' button**
- From the audio conference box: Select to **"Phone Call"** or **"Computer Audio"**
- If using the phone:
 - dial the number next to **"Dial"**
 - You will be prompted to enter the **"Meeting ID"**
 - Then you will be prompted to enter the **"Participant ID"**

Join Zoom Meeting:
<https://zoom.us/j/237206404>



Ways to Participate: Chat

The screenshot displays a Zoom meeting window. At the top, it shows 'Zoom Participant ID: 49 Meeting ID: 617-788-369'. Below this is a 'Talking:' indicator. The meeting details include: Meeting Topic: FL CMS LAN Meeting; Host: FL CMS LAN; Invitation URL: <https://zoom.us/j/617788369> (with a 'Copy URL' link); and Participant ID: 49. At the bottom of the window, there is a navigation bar with icons for 'Join Audio', 'Start Video', 'Invite', 'Participants', 'Share', 'Chat', 'Record', and 'Leave Meeting'. The 'Chat' icon is highlighted with a red box. To the right, a 'Zoom Group Chat' sidebar is open, showing a 'To: Everyone' dropdown, a 'File' icon, and a text input field labeled 'Type message here...'. A red arrow points from the 'Chat' button in the navigation bar to the chat sidebar. Another red arrow points from the chat sidebar to a text box that says 'Chat here to everyone!'. A third red arrow points from a text box that says 'After you click the 'Chat' button, a sidebar will appear where you can chat to all participants' to the chat sidebar. A fourth red arrow points from a text box that says 'At the bottom of the Zoom window, you will see a 'Chat' button' to the 'Chat' button in the navigation bar.

Zoom Participant ID: 49 Meeting ID: 617-788-369

Talking:

Meeting Topic: FL CMS LAN Meeting

Host: FL CMS LAN

Invitation URL: <https://zoom.us/j/617788369>
[Copy URL](#)

Participant ID: 49

Share

Invite Others

Zoom Group Chat

Chat here to everyone!

After you click the 'Chat' button, a sidebar will appear where you can chat to all participants

At the bottom of the Zoom window, you will see a 'Chat' button

To: Everyone

Type message here...

Join Audio Start Video Invite Participants Share Chat Record Leave Meeting

Participating with via text messaging



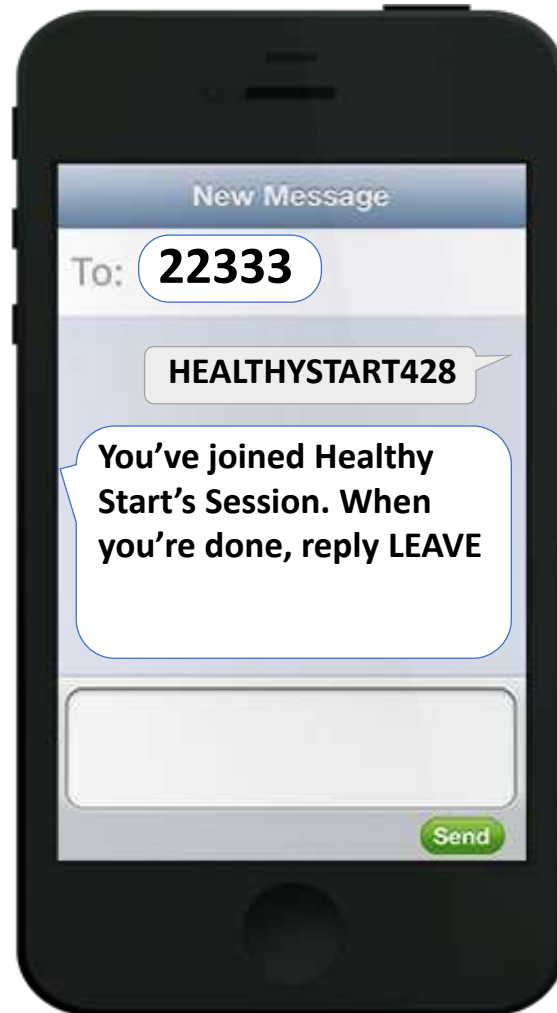
Send all messages
to this five digit
number: **22333**

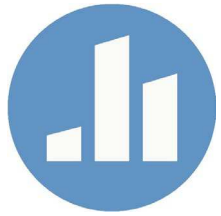
To log in, include in
body of text the
word (*you only
have to do this
once*):
HEALTHYSTART428

Participating with via text messaging



After you have
logged in, you
will receive this
confirmation
message





Poll Everywhere: Additional Tips

- Capitalization does not matter; spelling and spaces do
- You only have to text the word “HEALTHYSTART428” the first time. After that, just send a normal text to respond to polls.
- If texting 22333 doesn’t work: Visit pollev.com/HEALTHYSTART428 to respond to the current poll
- NO charges to your cellphone beyond what your phone carrier typically charges for a text message



Welcome and Introductions

Kenn Harris



Overview of the Healthy Start COIN

Mary Emanuele
Healthy Start Project Officer

Creating COINs for Healthy Start



Peter A. Gloor

MIT Center for Collective Intelligence

pgloor@mit.edu

Webinar for Healthy Start Support Center – March 6, 2020

Contents

- Intro to COINs
- The CCHMC example
- The IM CoIN example
- Get your topics for COINs



On a scale of 0 to 7, how satisfied are you with your life, all things considered?

0 (Completely Dissatisfied)

1

2

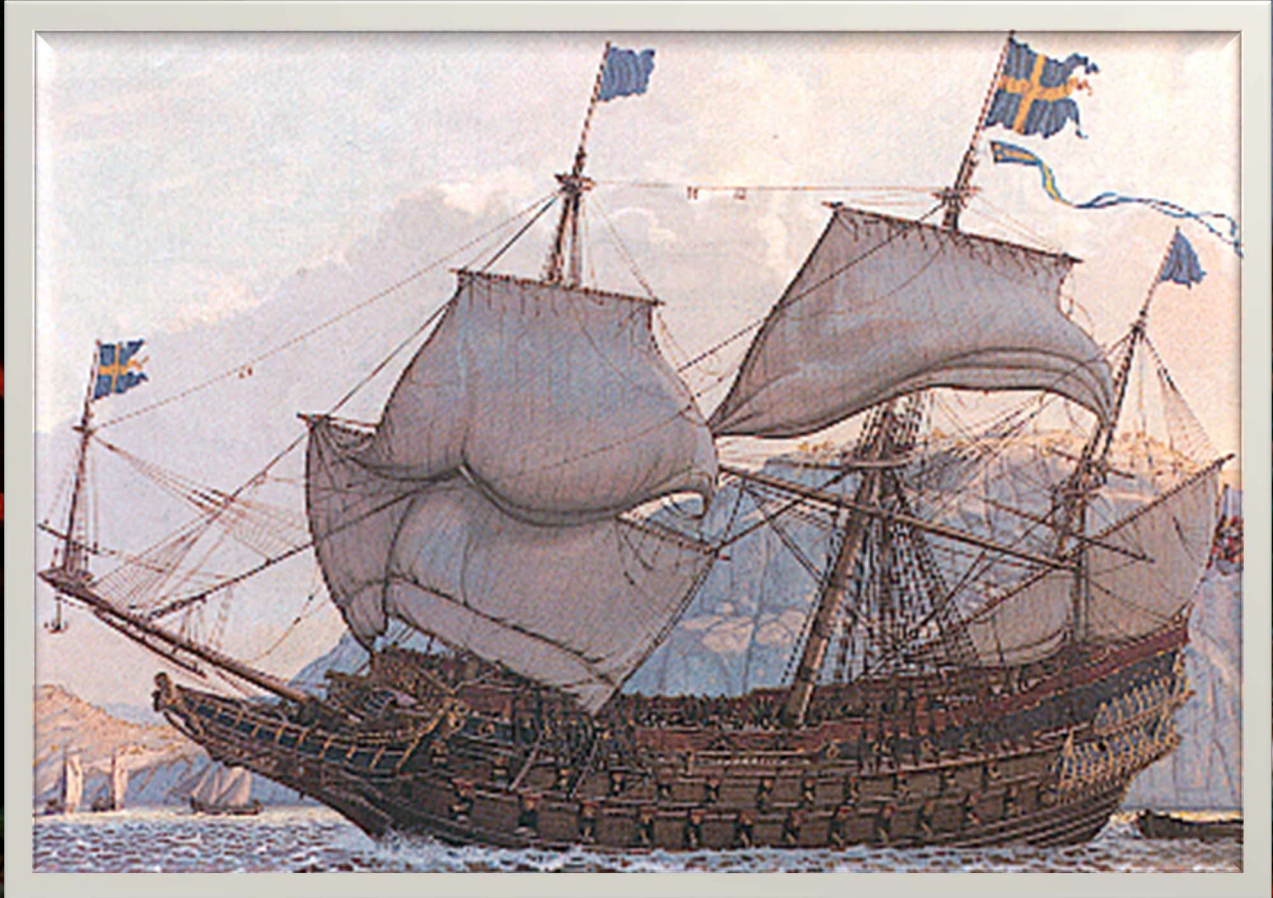
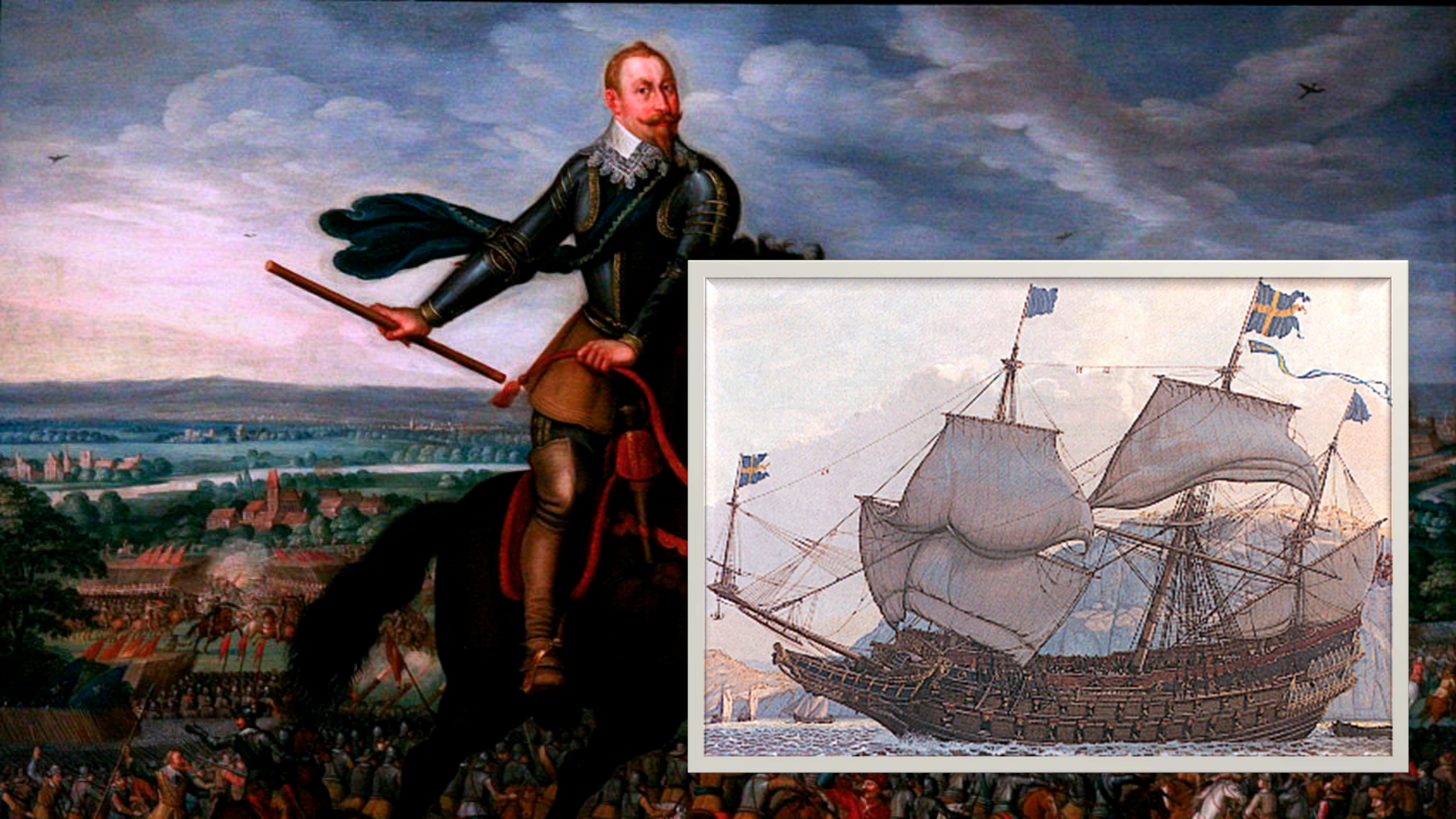
3

4

5

6

7 (Completely Satisfied)



More Happiness – More Creativity

- How to measure
 - COINs (Collaborative Innovation Networks)
 - 7 Honest Signals of Collaboration
 - Tribes
- How to improve
 - Happimeter
 - Facial/Voice Emotion Recognition
 - Social Quantum Physics

COINS

creator

COIN

Collaborative
Innovation Network

3-15

CLN

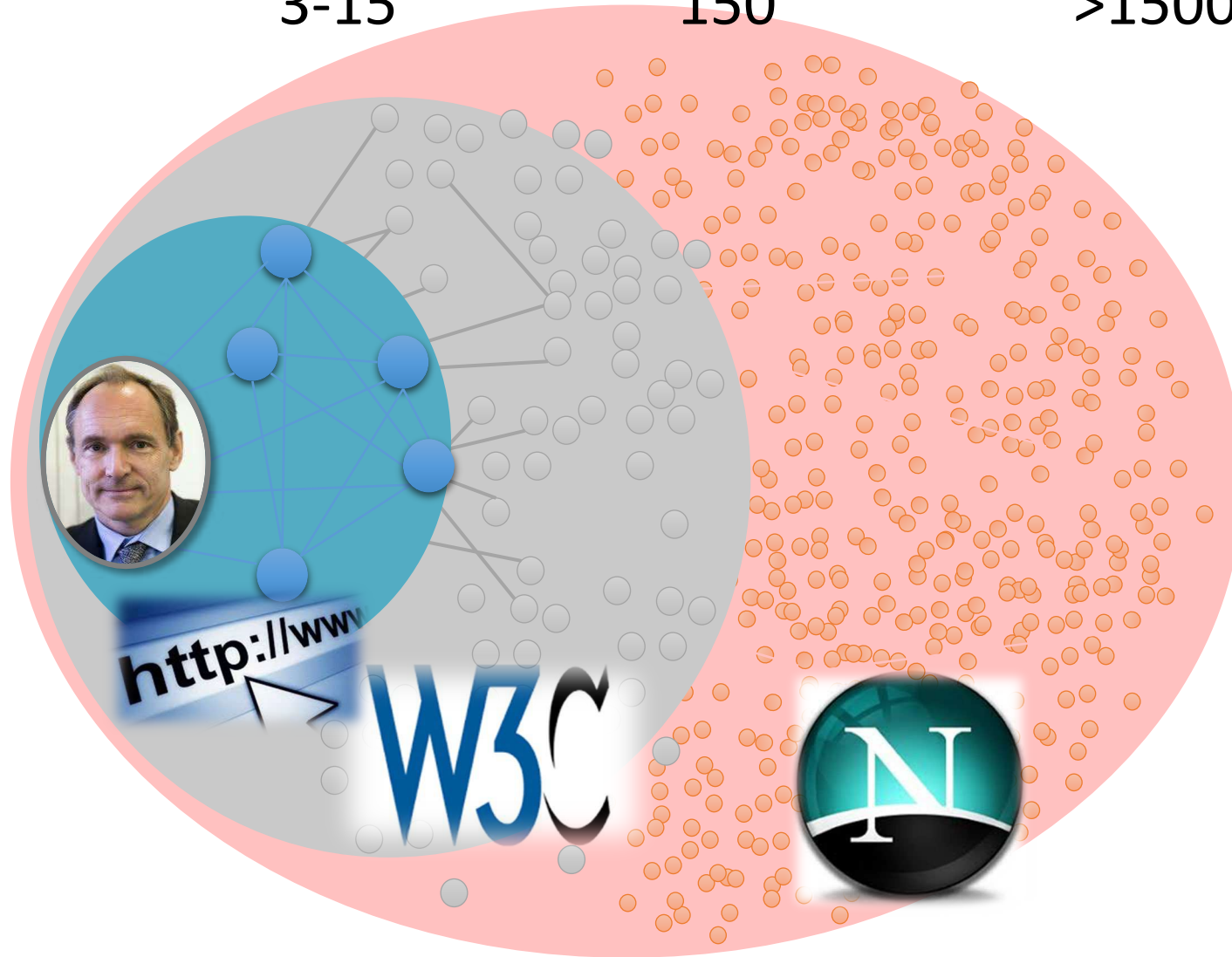
Collaborative
Learning Network

~ 150

CIN

Collaborative
Interest Network

>1500





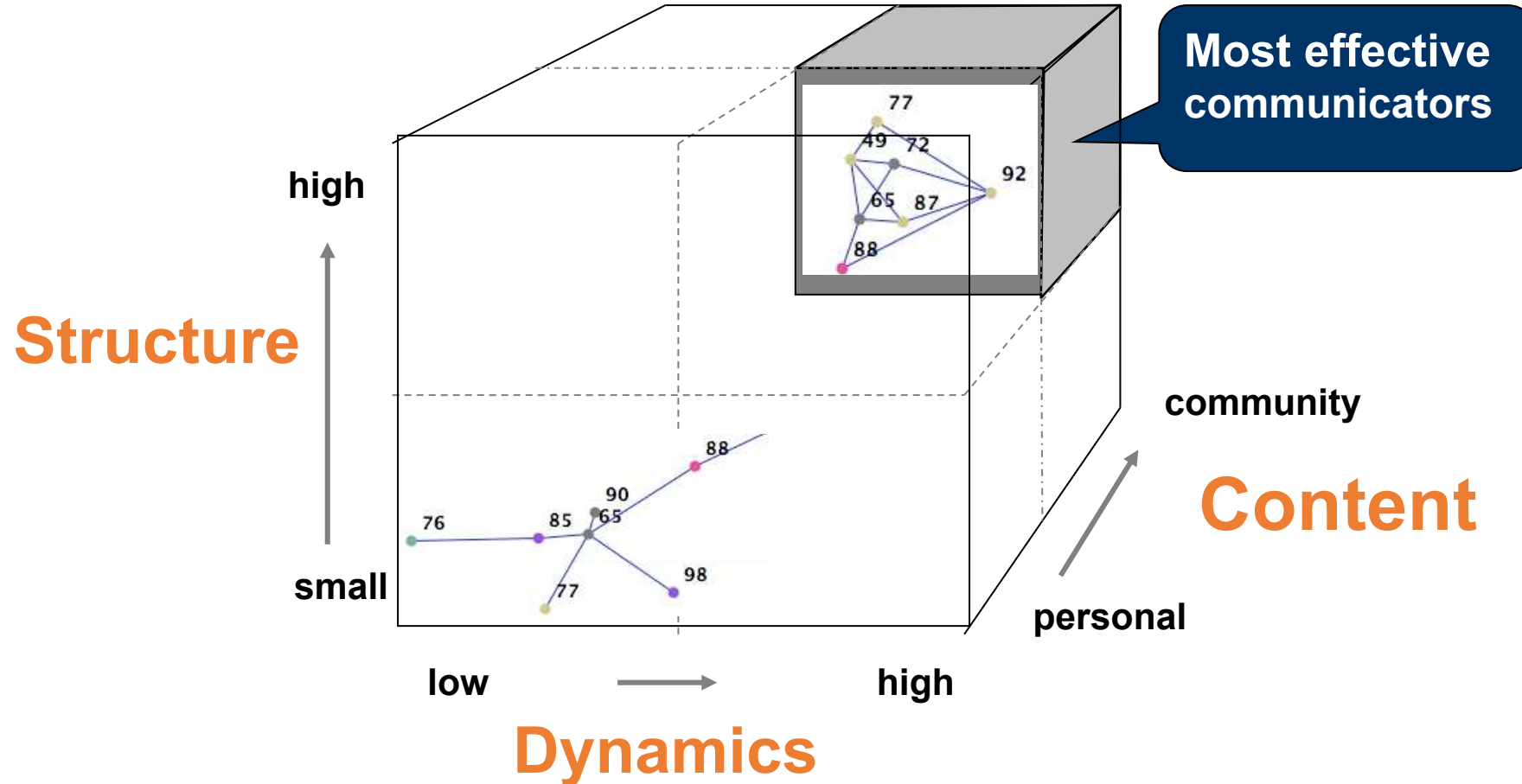
Google™



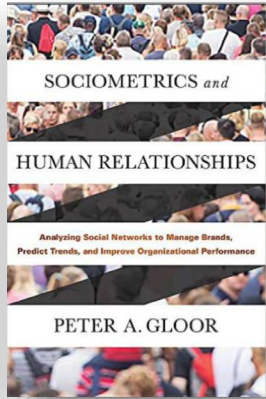
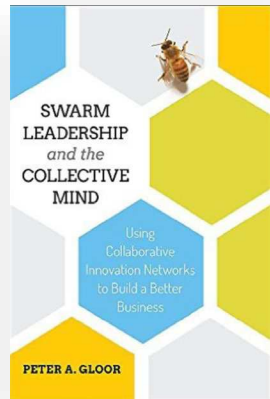
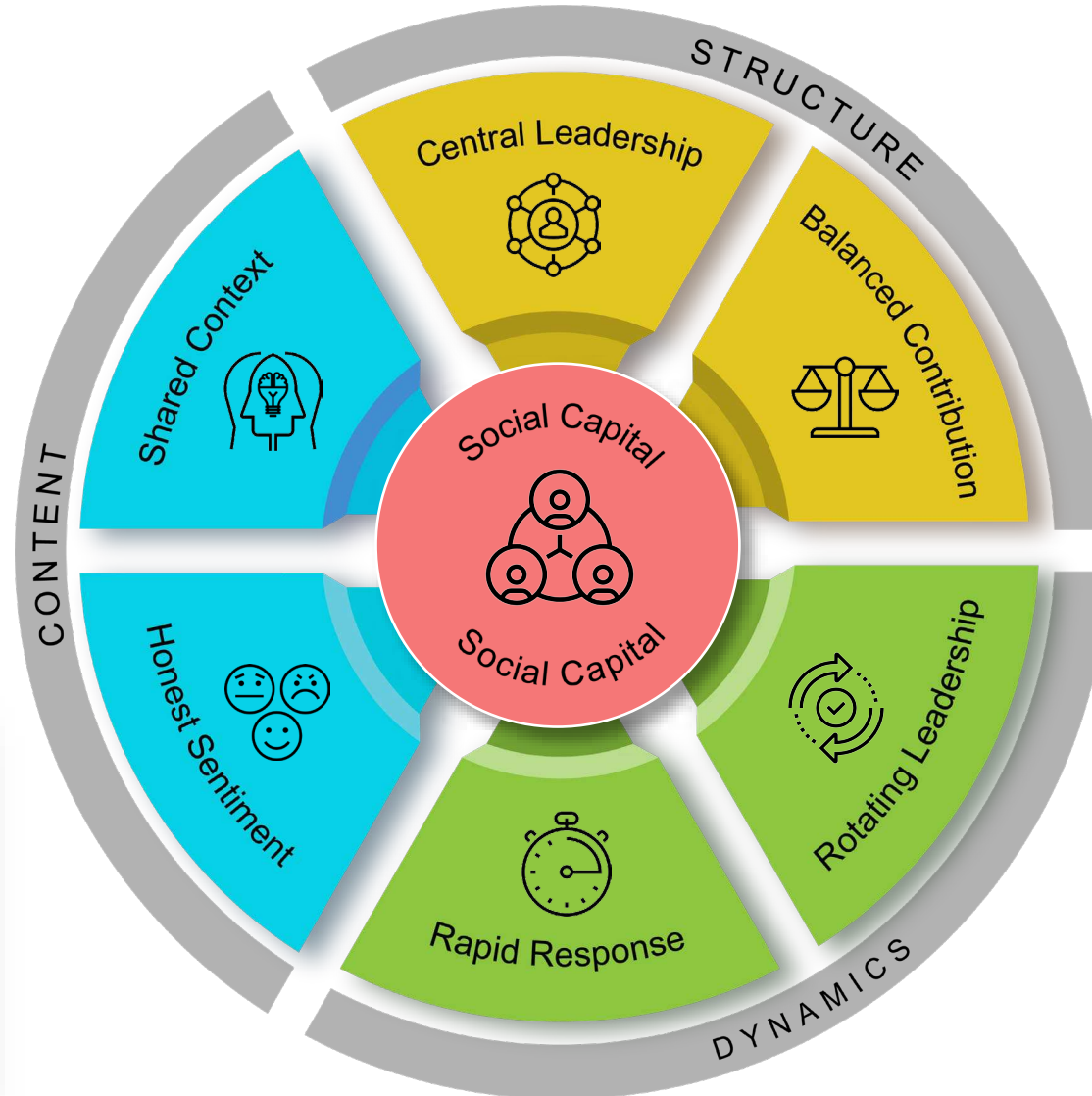
7 Signals



People for Innovation

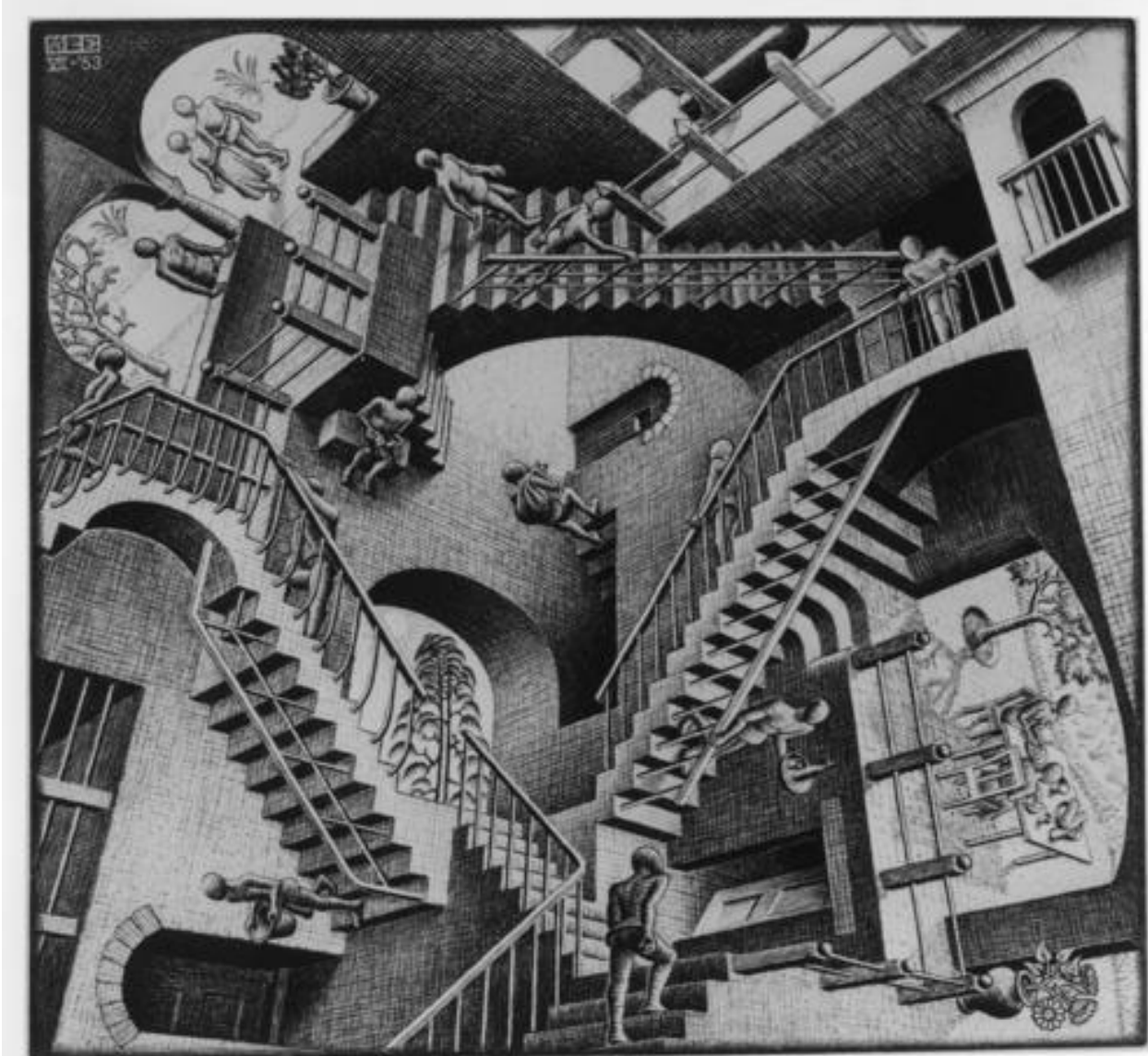


7 Honest Signals of Collaboration

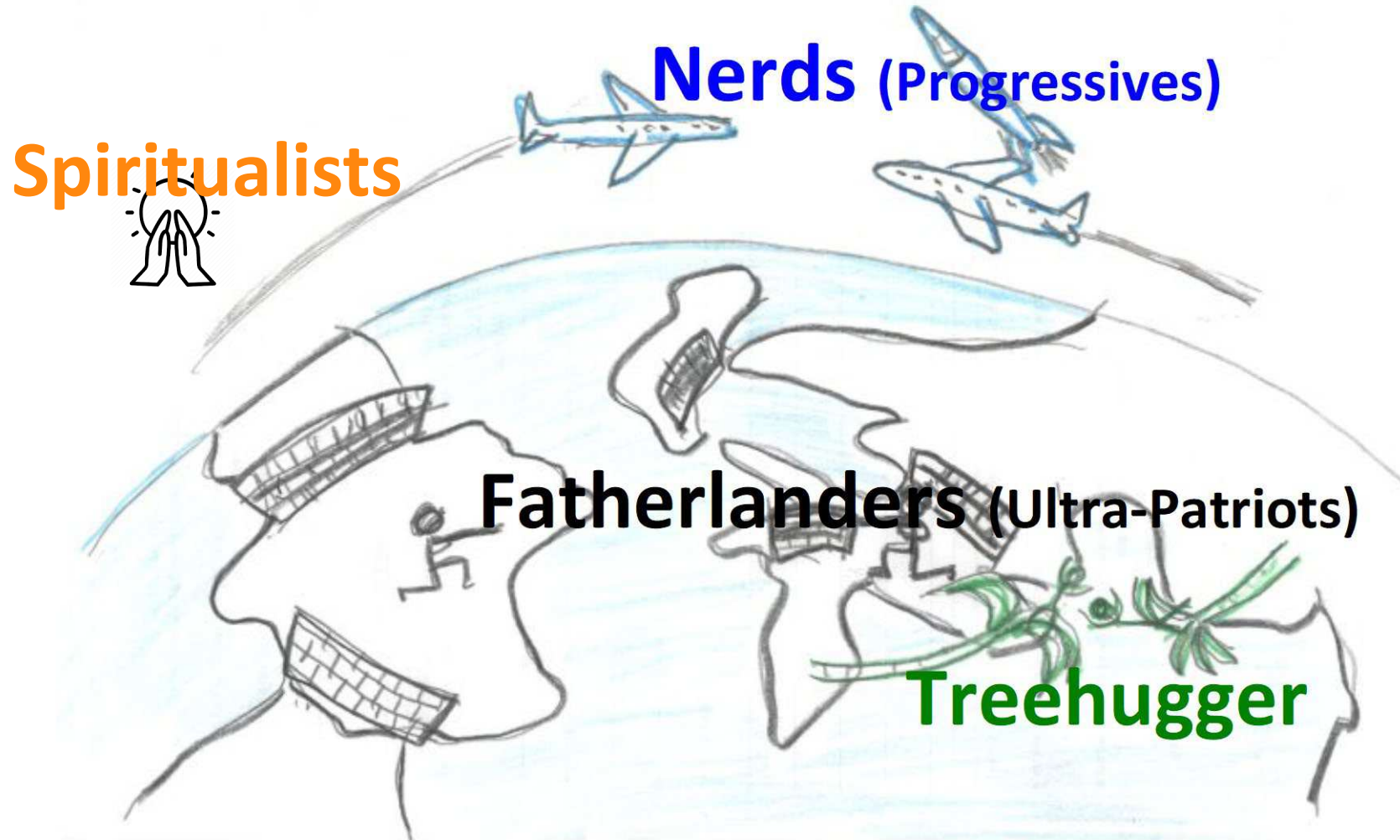


Tribes

Everybody lives in a different reality



Virtual Tribes live in Alternative Realities



Tribefinder

tech

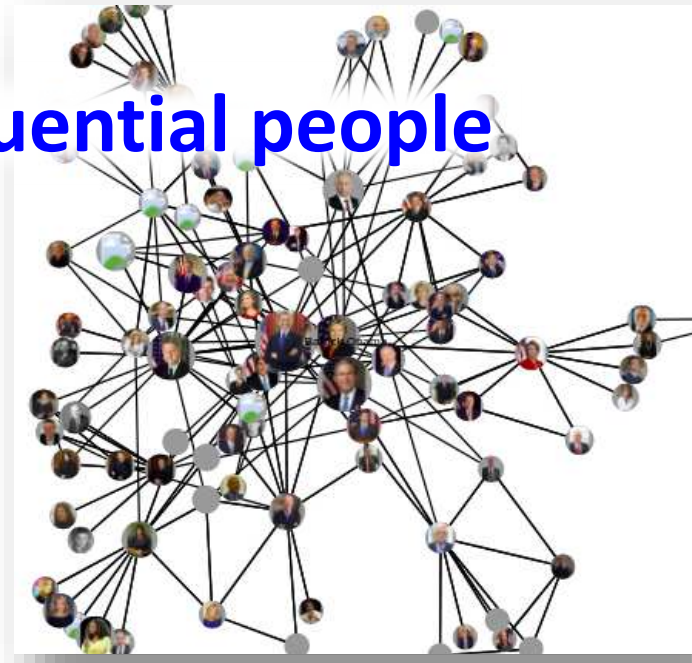
Total Members : 19

[Remove Users](#)

The image shows a grid of 12 user profile cards for a tribe named 'tech'. Each card includes a profile picture, the user's name, their Twitter handle, and a short bio. The users are: Al Gore (@algore), Bill Gates (@BillGates), Brent Ozar (@brento), Casey Newton (@CaseyNewton), Elon Musk (@elonmusk), Eric Schmidt (@ericschmidt), Gabriel Aul (@gabAul), Gideon Yu (@gideonyu), and four other users whose names and handles are partially obscured or cut off.

Create tribes

Influential people



Find your tribes



Tribefinder

GalaxyScope



pgloor



Personality



Politician

12.4%



Journalist

18.7%



Risk-taker

40.2%



Stock-trader

28.8%

Alternative Realities



Spiritualism

21.2%



Nerd

48.7%



Fatherlander

4.8%



Treehugger

25.2%

Tribefinder



Personality



Politician
41.2%



Journalist
32.1%



Risk-taker
15.9%



Stock-trader
10.8%

Alternative Realities



Spiritualism
7.2%



Nerd
13.6%



Fatherlander
63.8%



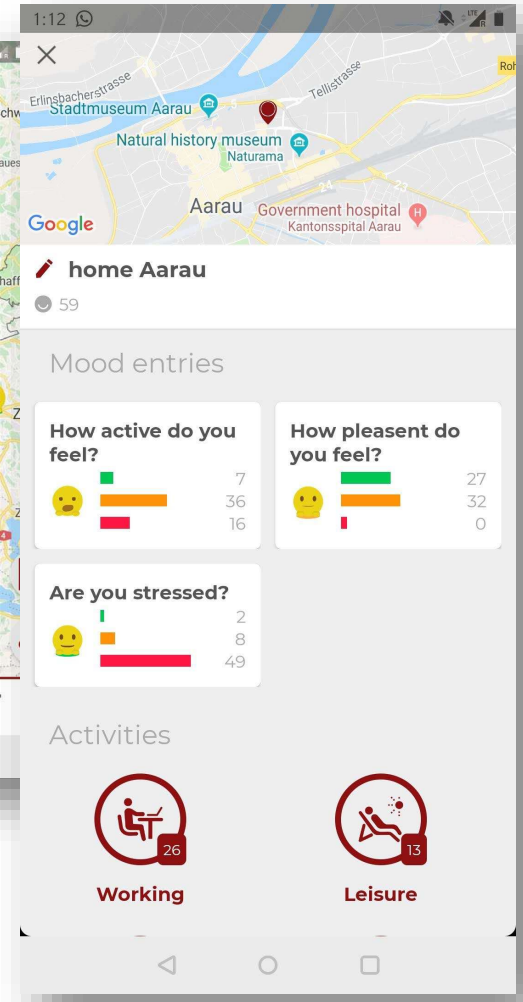
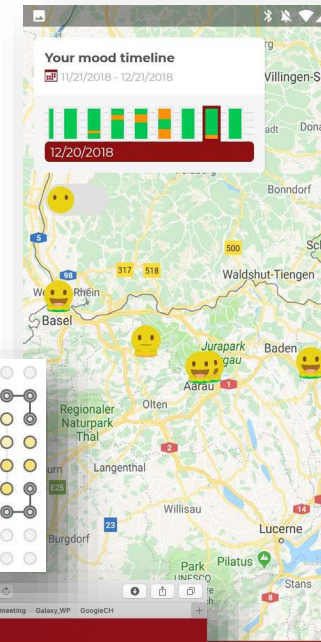
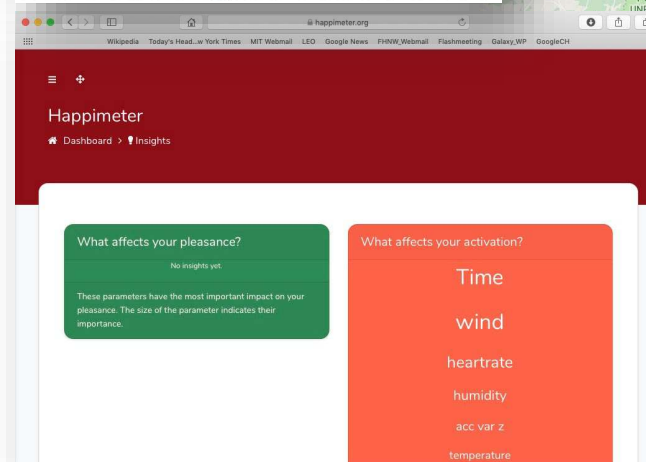
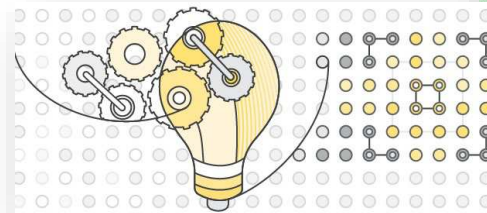
Treehugger
15.4%

Happimeter

Happimeter tracks emotions

Happimeter consists of four components:

1. An Android Wear smartwatch (Apple watch version under development) that tracks acceleration, heart rate, voice, and location
2. An Android/iPhone app that transmits data to the server, and visualizes (shared) happiness
3. A machine learning backend in the AWS cloud
4. A Website that visualizes results and allows users to create/manage groups of friends and teams

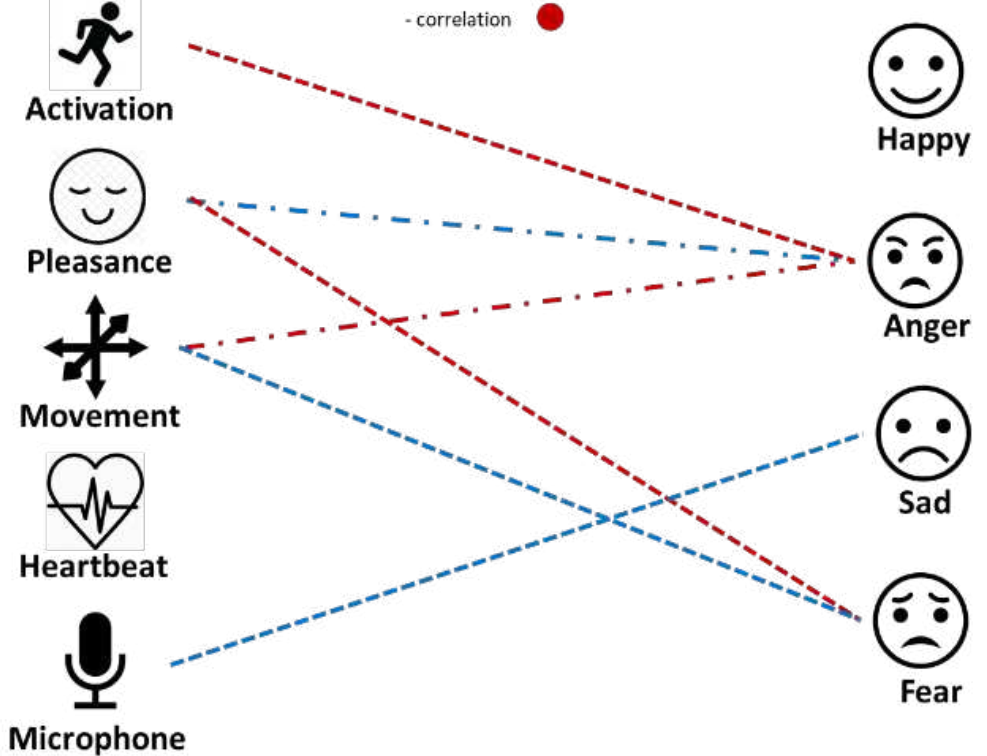
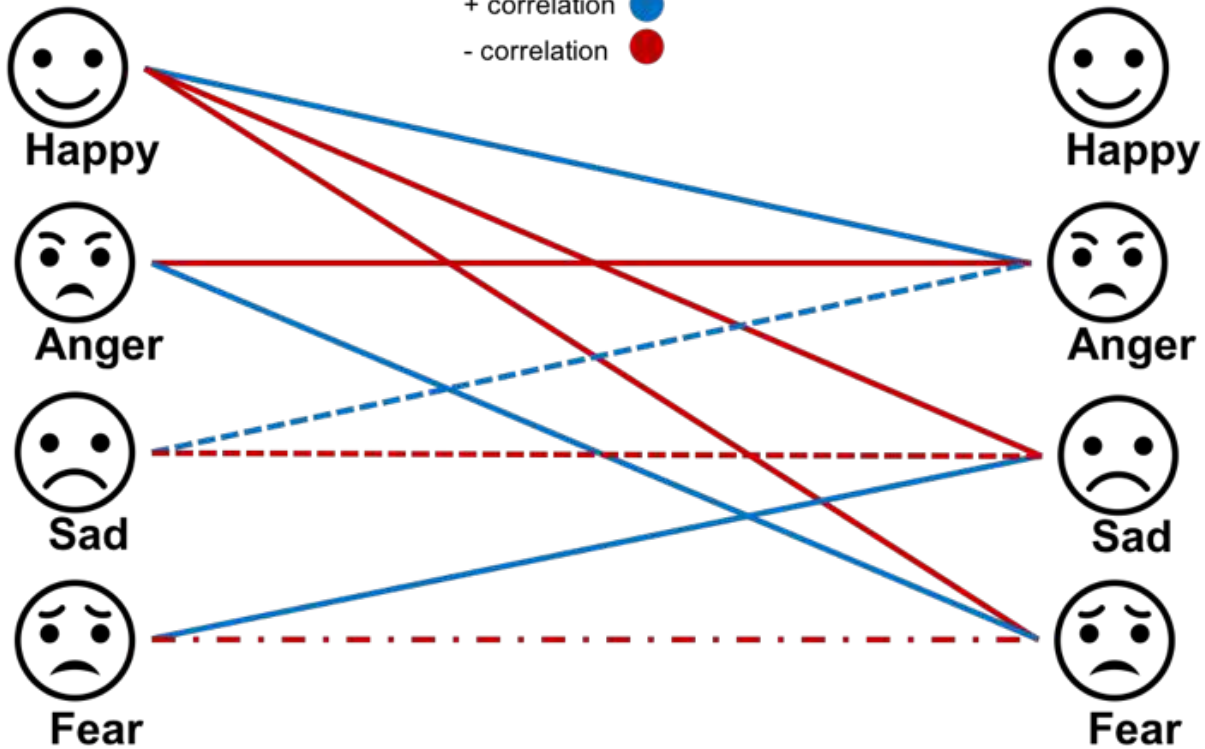
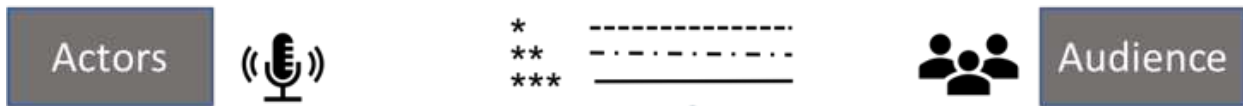
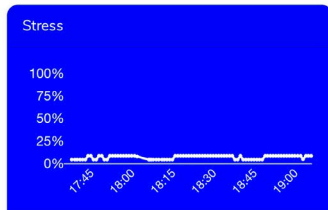
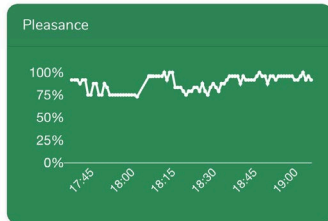


Facial Emotion Recognition with Vuzix Smartglasses





Theater Play in Zurich May 2019

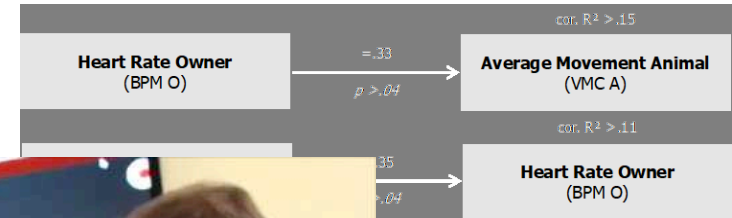
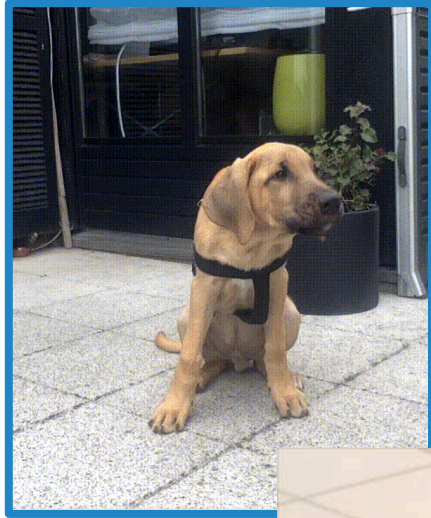




Measuring Emotions of Dogs, Horses & Plants



Webcam



Social Quantum Physics

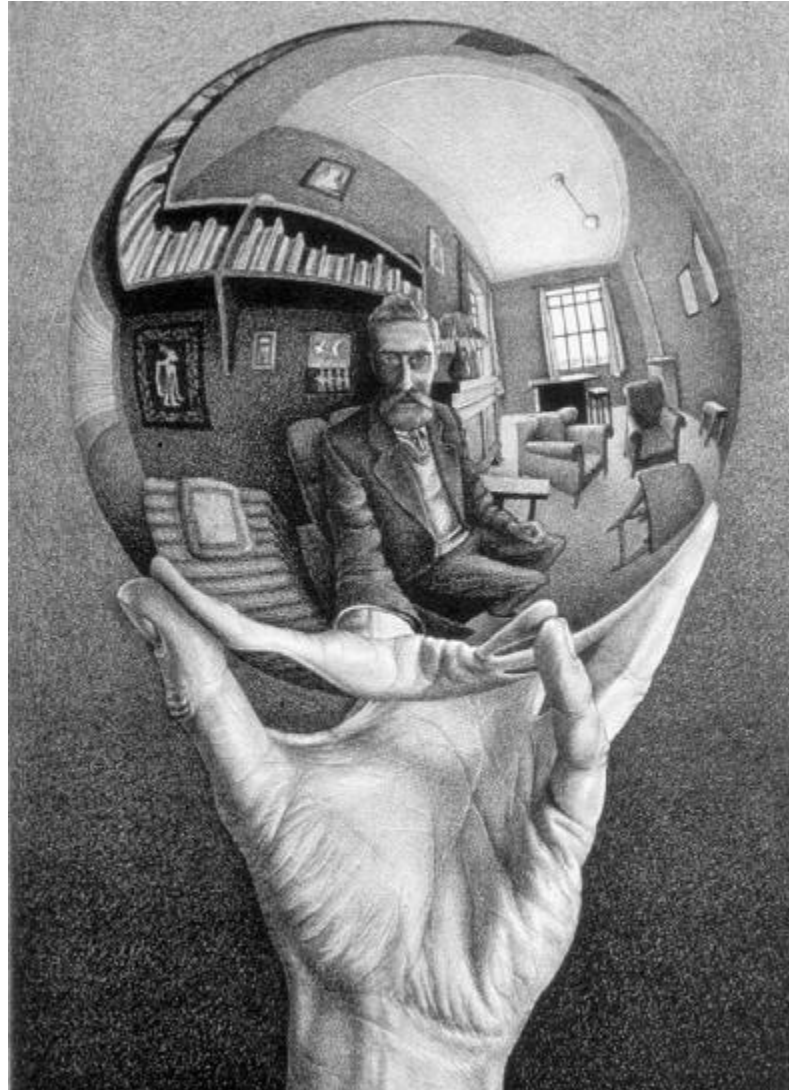
Creating Entanglement



Social Quantum Physics



A virtual mirror gives truth about self
(Heisenberg principle)



Do you want to

Being led from the top



Lead yourself based on
shared values and culture



Do you want to communicate

By speaking



By *listening*

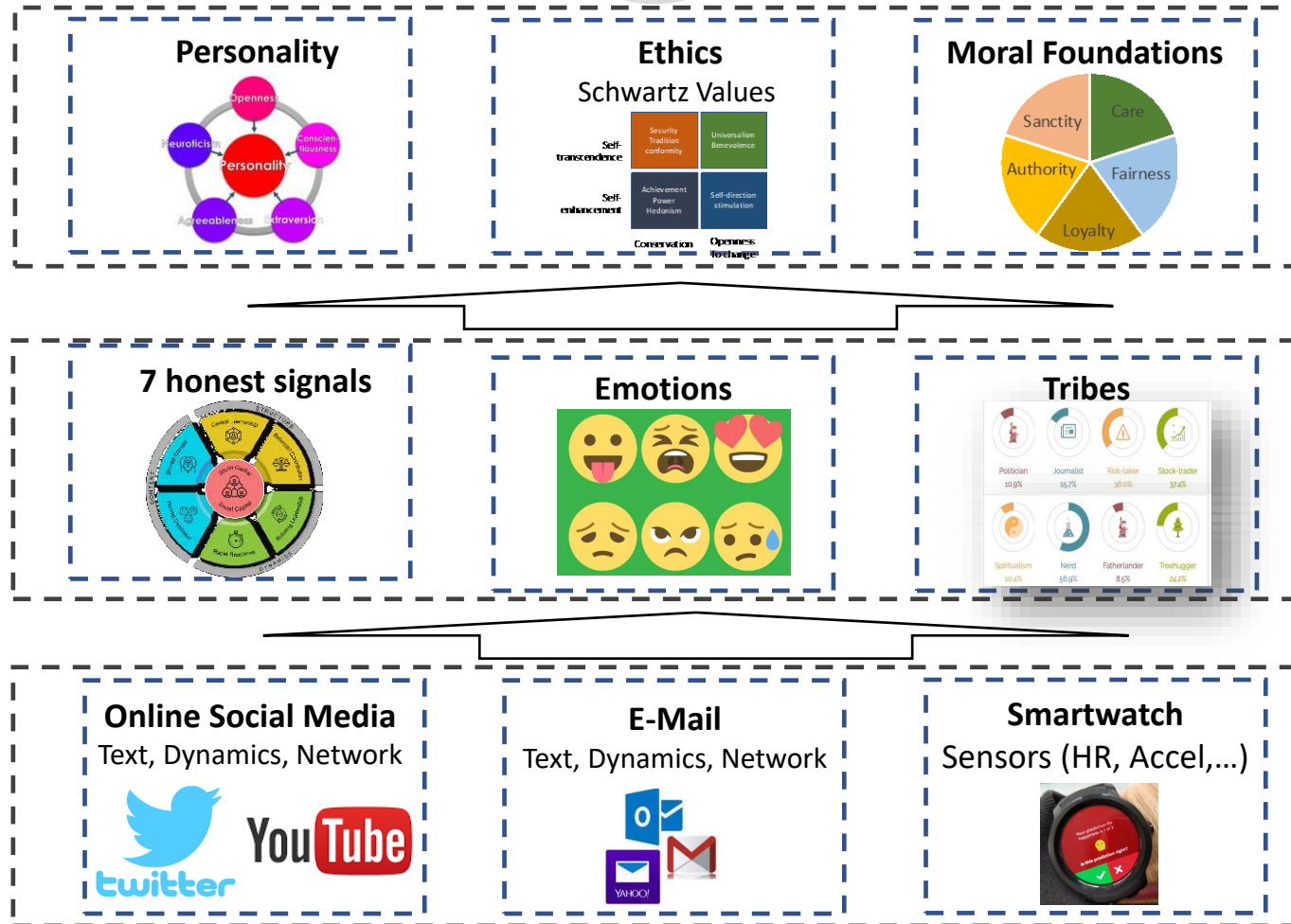


By watching

Our Goal - The Social Compass (17 years of research at MIT CCI)



Ethical behavior (Golden rule)
Humility, Respect, Compassion,
No Stress/Burnout

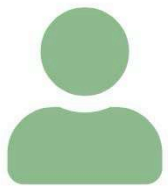




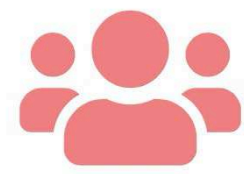
Home

User Access

Welcome rashmi.sharma2@genpact.digital



Personal statistics

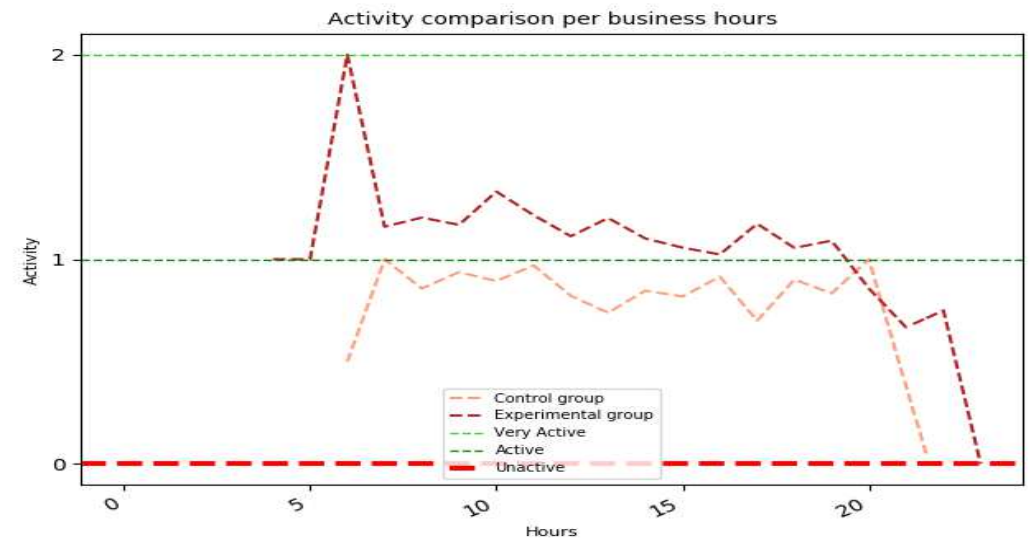
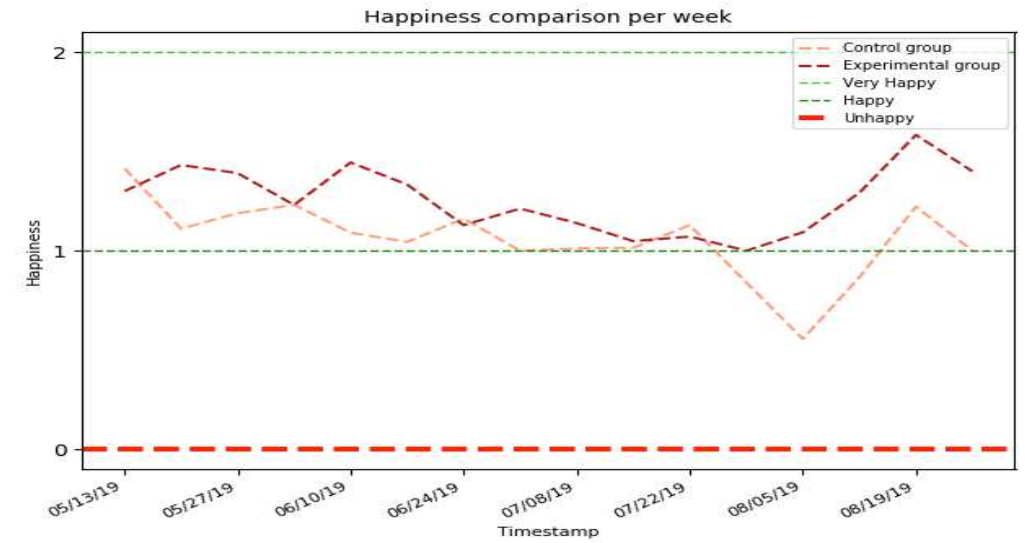
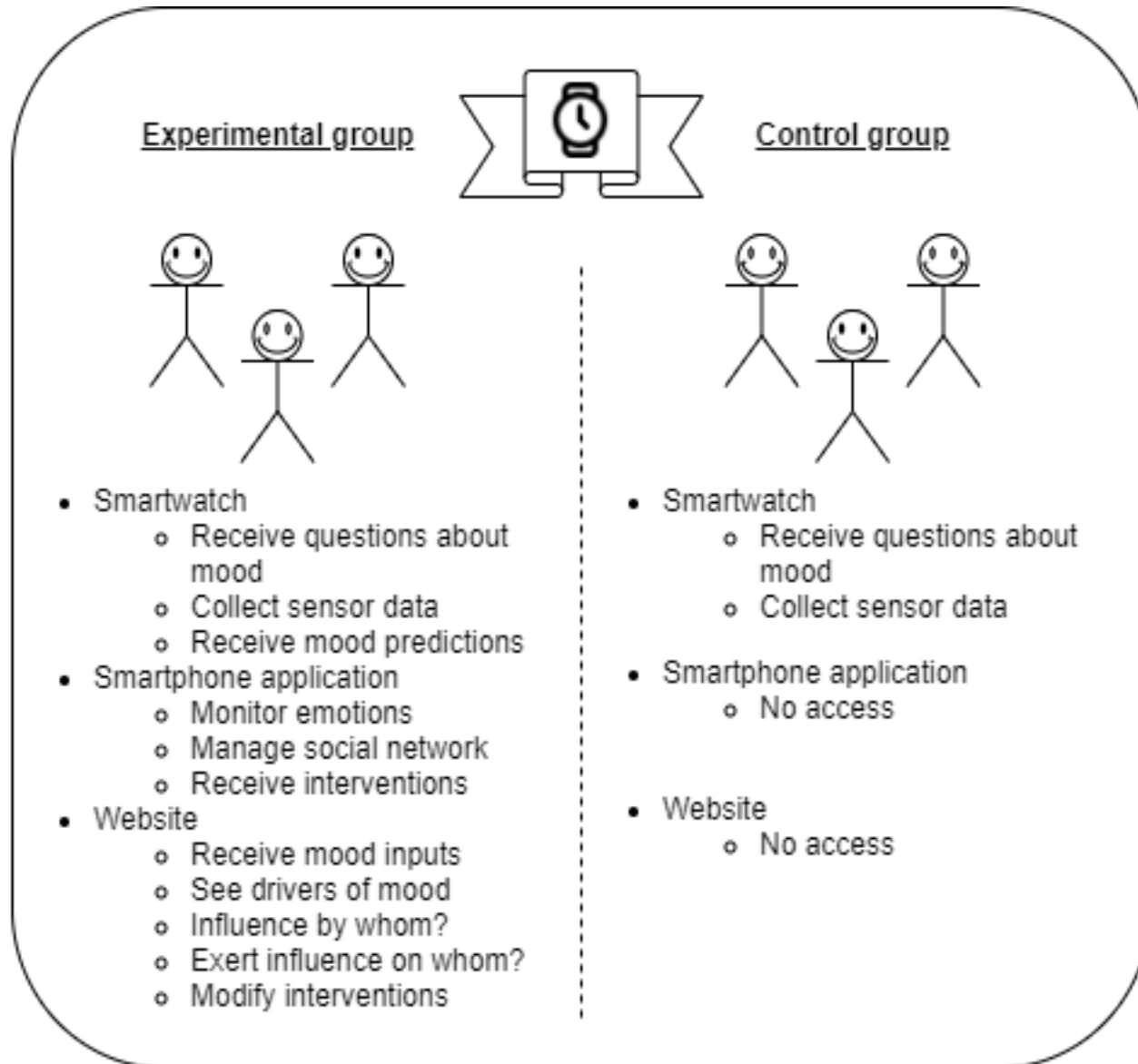


Group statistics



Company statistics

Virtual Mirroring 3 Months, German Bank (14% more happiness)





On a scale of 0 to 7, how satisfied are you with your life, all things considered?

0 (Completely Dissatisfied)

1

2

3

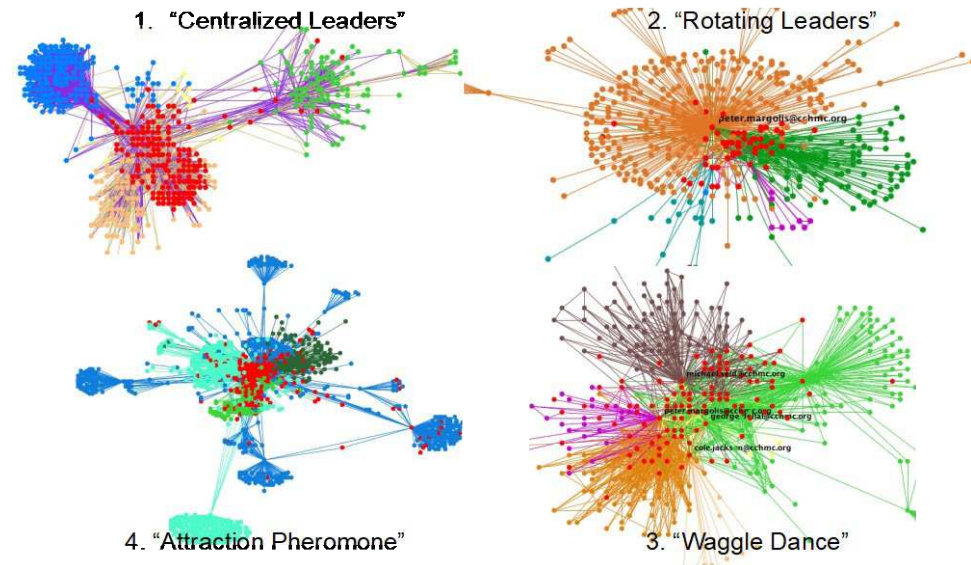
4

5

6

7 (Completely Satisfied)

CCHMMC - C3N



Improvers wanted.

Together, we're collectively restoring the wellbeing of all kids with Crohn's disease and ulcerative colitis — changing the way medicine is practiced.

IMPROVECARENOW™

[WATCH OUR VIDEO](#)[JOIN OUR CIRCLE](#)

improvecarenow



Personality



Politician
31.4%



Journalist
14.1%



Risk-taker
32.7%



Stock-trader
21.8%

Emotions



Happy
25.7%



Sad
17.5%



Anger
15.9%



Fear
40.9%

Alternative Realities



Spiritualism
36.2%



Nerd
31.9%



Fatherlander
11.3%



Treehugger
20.6%

Ideologies



Socialism
17.7%



Liberalism
33.7%



Capitalism
34.7%



Complainers
13.9%

Lifestyle



Fitness
43.1%



Vegan
23.0%



Sedentary
17.2%



Yolo
16.7%

Recreation



Arts
24.5%



Sport
22.8%

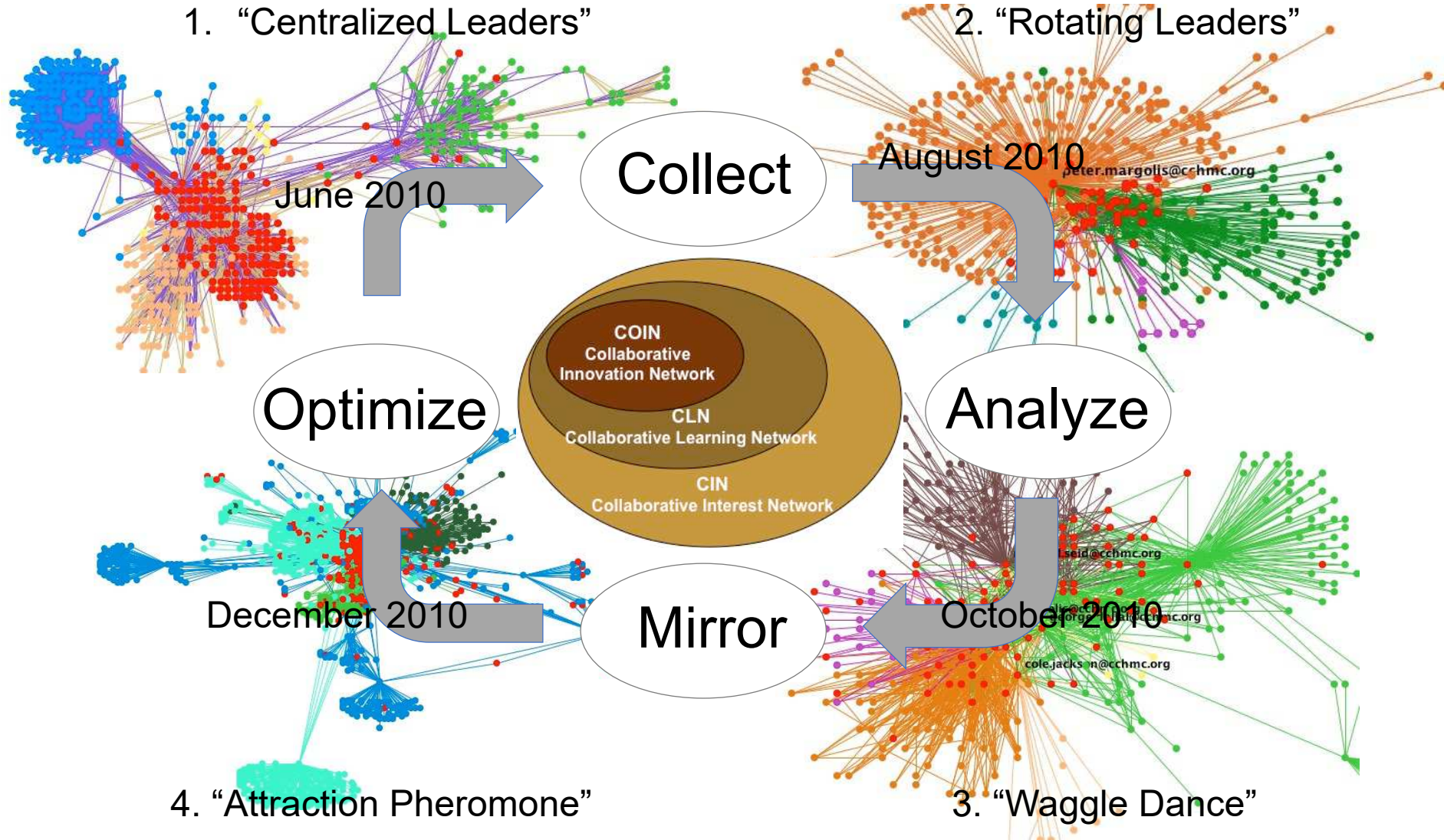


Fashion
15.8%



Travel
37.0%

The C3N Project





Innovation work groups by Design Phase

5



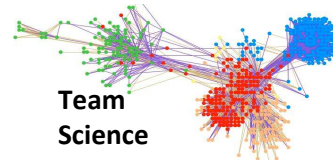
Engagement Portfolio

5



5

3



Team Science



pac

patient advisory council



Registry IRB

2



IBD Volunteers



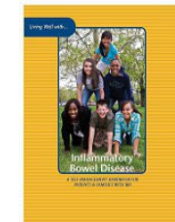
E-CONSENT



MyIBD PLS



Data Quality



IBD Handbook

Ginger.io



DATA-IN-ONCE



Electronic Data Transfer

DATA-IN-ONCE



Population Management



DESIGN



PROTOTYPE



PILOT



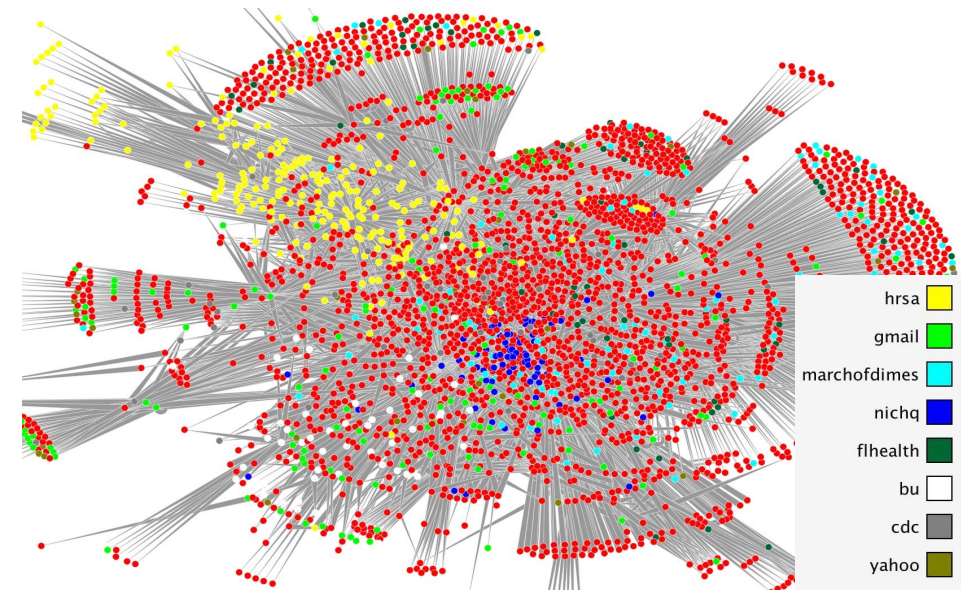
IMPLEMENT



SCALE UP & SPREAD

IM-COIIIN

- Virtual Mirroring of IM-COIIIN
- Focus on SDOH: Coolhunting

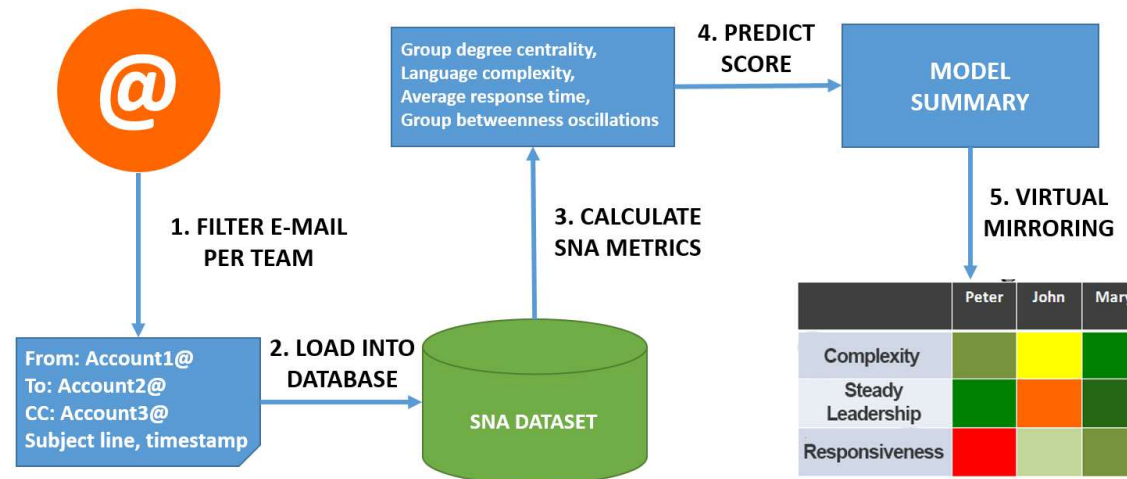


RESEARCH SETTING AND METHOD

Support the growth of the **IM-CollN project** of the *Maternal and Child Health Bureau* of the US Health Resource and Service Administration (HRSA) – 2012-2017.

Six sub-IM CollNs:

1. improving safe sleep practices for babies.
2. get smoking mothers to stop or at least reduce smoking before, during and after pregnancy.
3. improving women's health before, after and in between pregnancies.
- 4. improving social determinants of health (SDOH) and equity in birth outcomes.**
5. prevent births before 39 weeks
6. increasing the delivery of higher risk infants and mothers at appropriate level facilities.

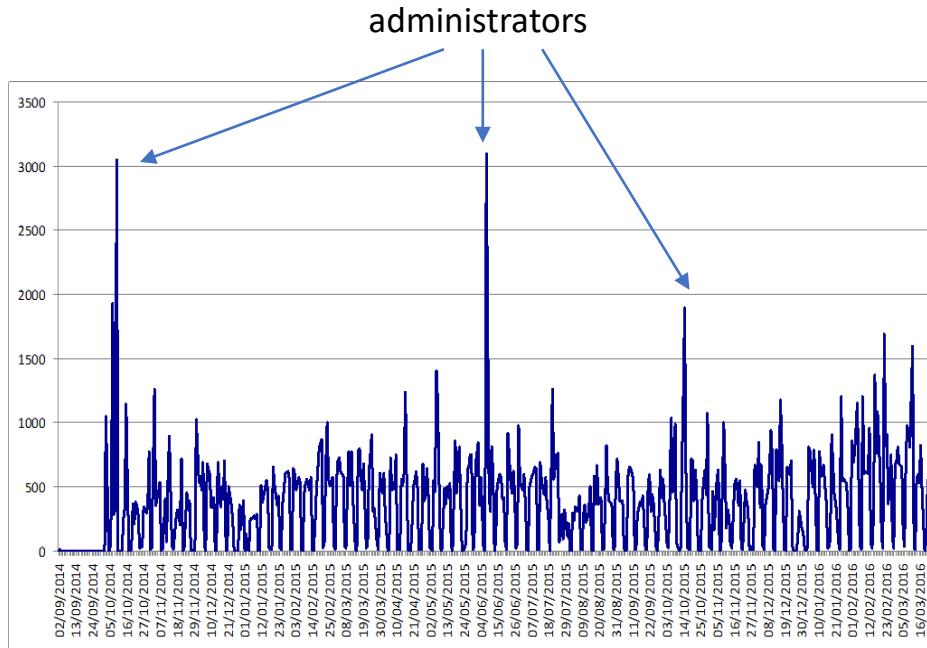


E-MAIL BASED VIRTUAL MIRRORING

VM sessions of **7 key members** of the IM-CollN project (Nov 2014 - March 2016).

Email Activity 2014-2016

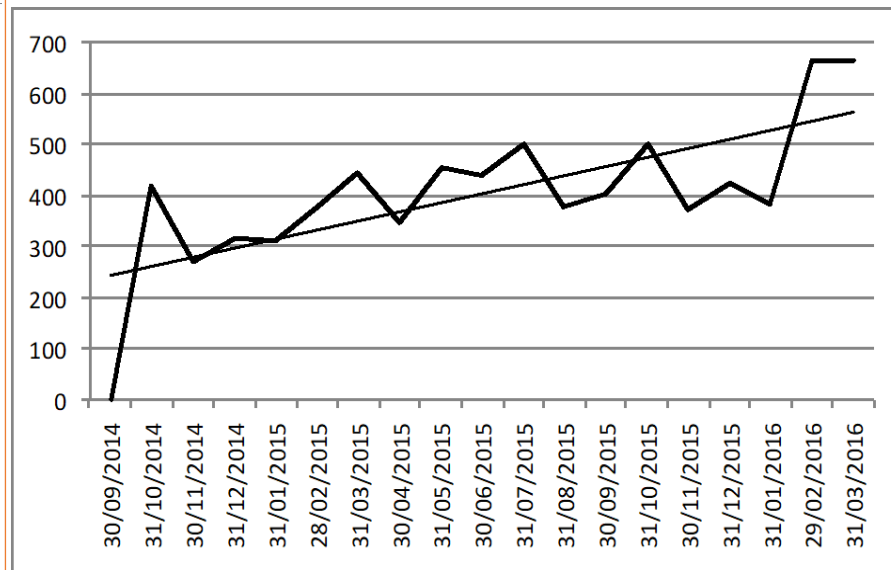
Learning Sessions: NICHQ reached out to health officials and administrators



Avg 500/day (max: 3000)

Number of new e-mail contacts per month (A → B and B → A)

150% Growth over 18 months (from 250 to 600 new community members)



E-MAIL BASED VIRTUAL MIRRORING

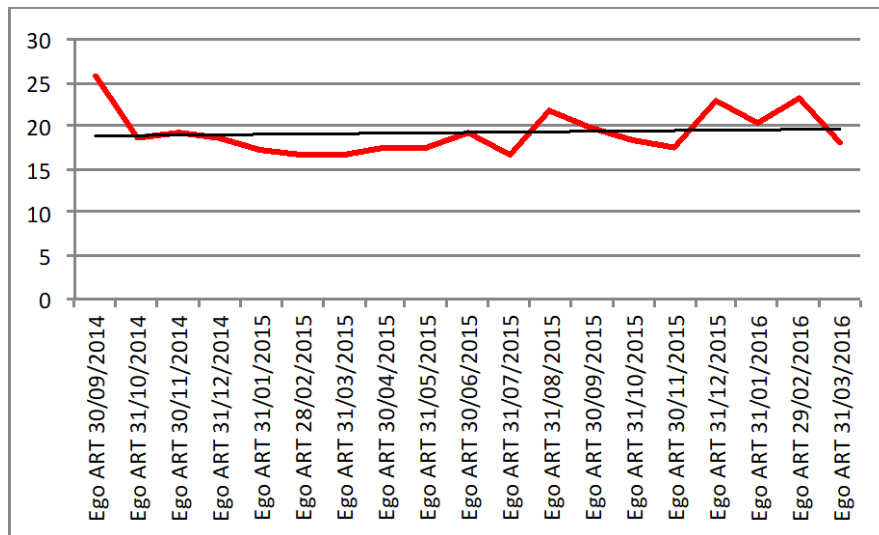
Alter ART started at 25 hours, and has been decreasing to avg 17 hours.

→ **mutual respect** has been going up and passion stable

→ a very positive sign of **organizational health**

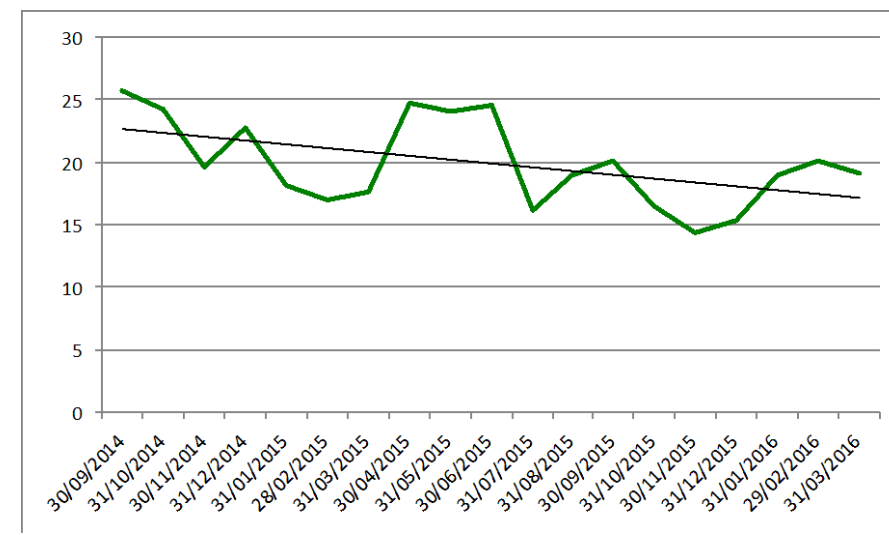
Average response time of mailbox owners (**Ego ART**)

PASSION



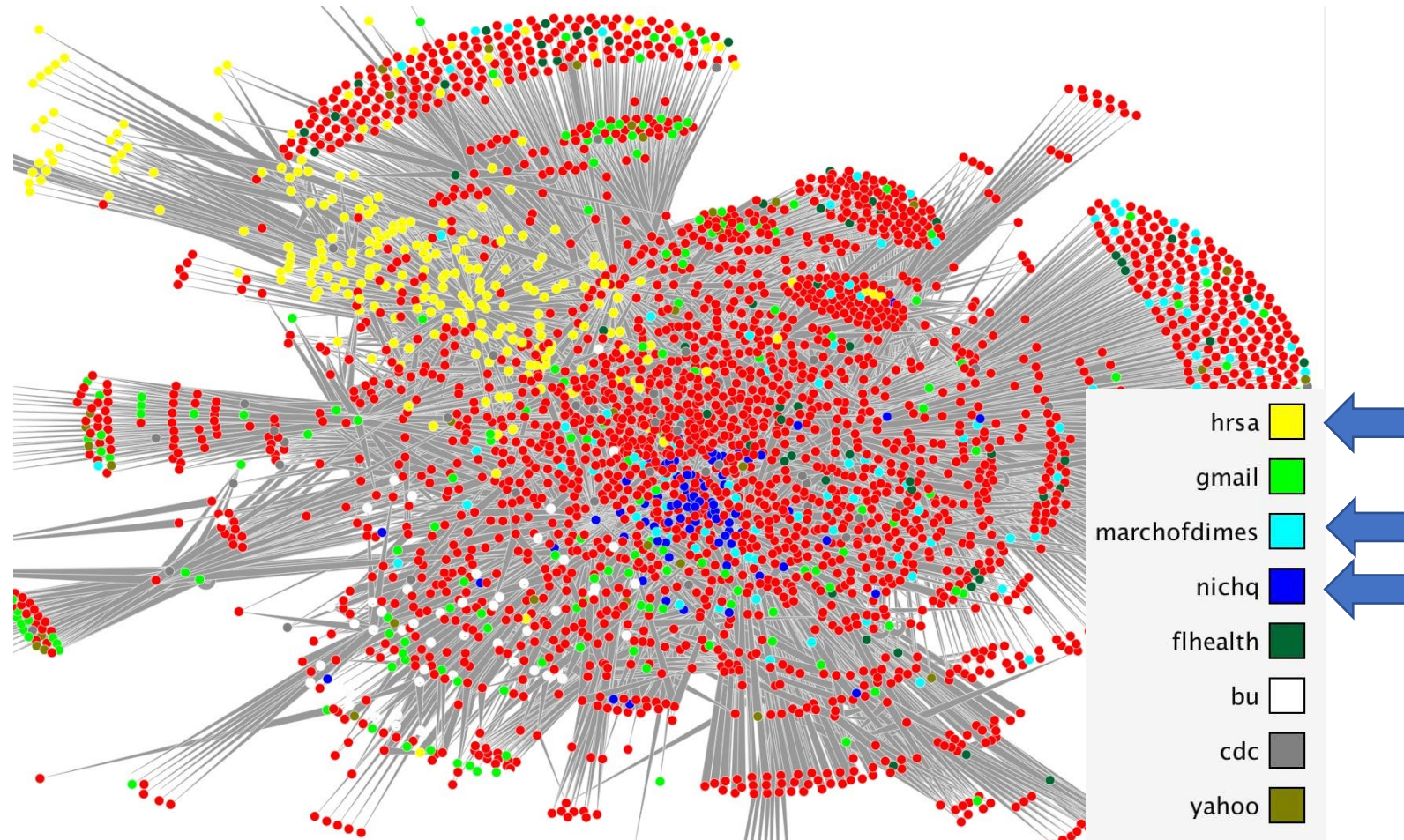
Average response time of others to the mailbox owners (**Alter ART**)

RESPECT



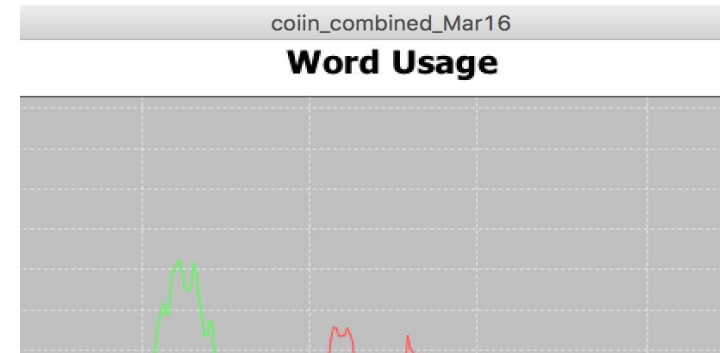
THE MOST ACTIVE ORGANIZATIONS

Largest group of participants: from the US government HRSA, NPO “March of Dimes” and NICHQ

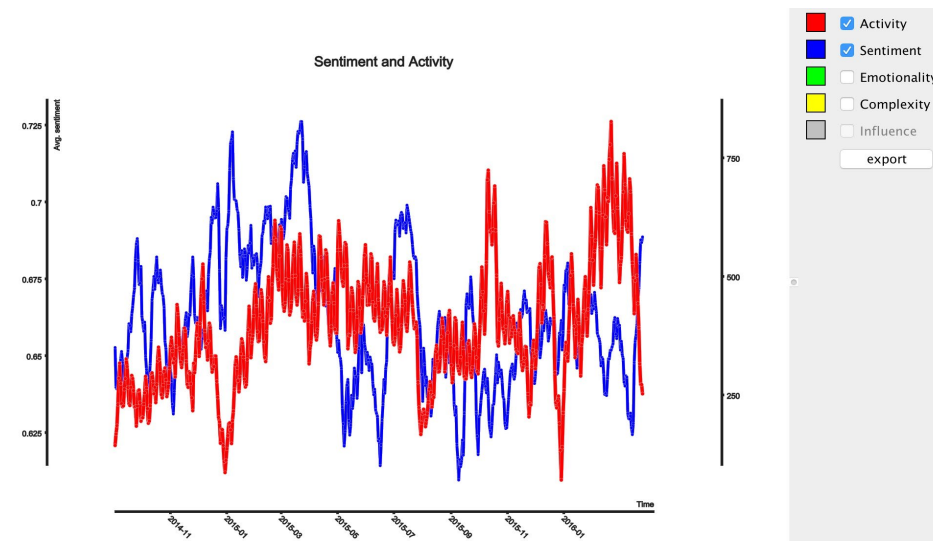


CONTENT ANALYSIS

- A community focused mostly on **execution**: large use of the term “**call**”.
- **Sentiment** is strongly **positive**, from 0.6 to 0.73 (0.5 is neutral) → participants use positive language and give a lot of praise to each other.
- **Oscillation in sentiment** might also indicate that occasionally they are **not shy of speaking out** (open and honest communication).



Sentiment and Activity per month

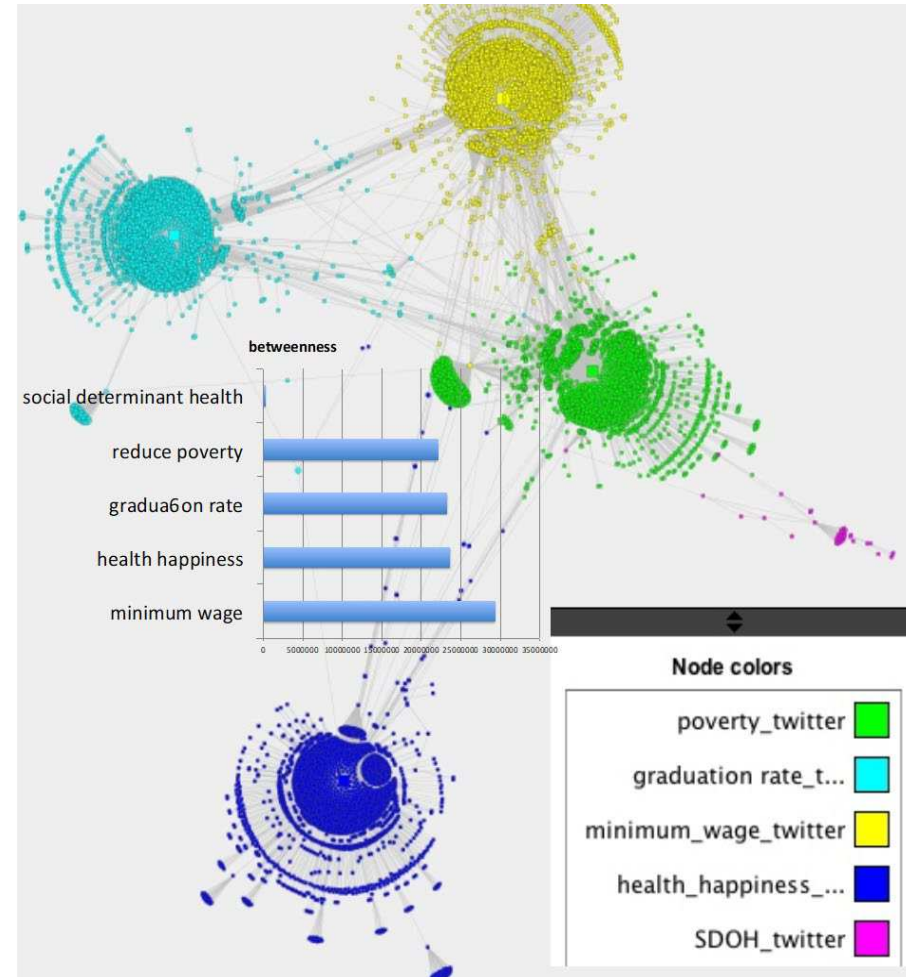
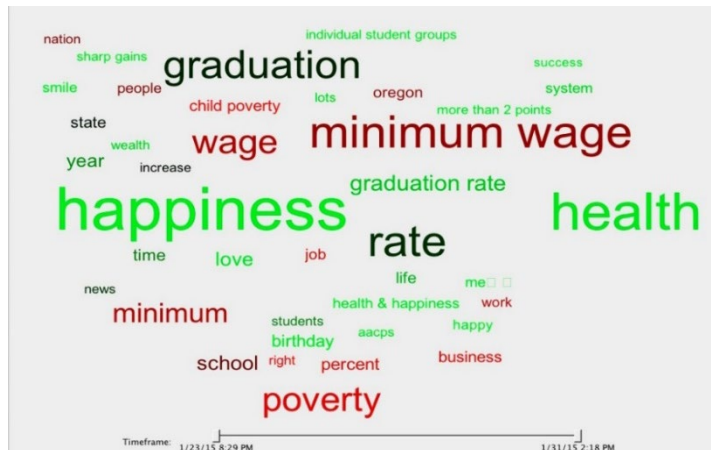


SDOH COOLHUNTING

- Collected Keywords with the help of IM-COIH experts
- Looking for **innovative ideas**.

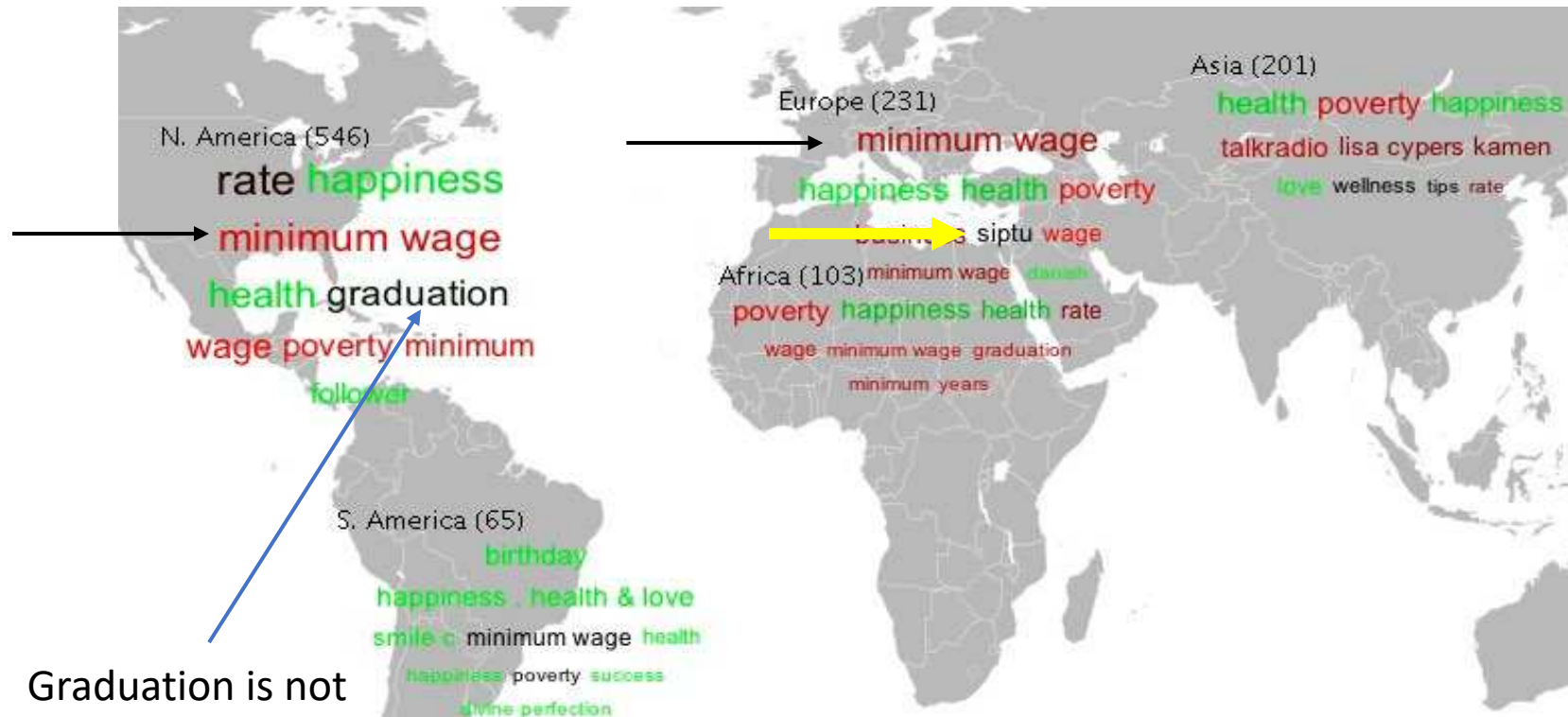
Topics most twitted about:

- **reduce poverty**
- increase the **graduation rate**
- increase the **minimum wage**
- increase general **happiness**



GLOBAL DISTRIBUTION OF COOLHUNTING RESULTS FOR SDOH ON TWITTER

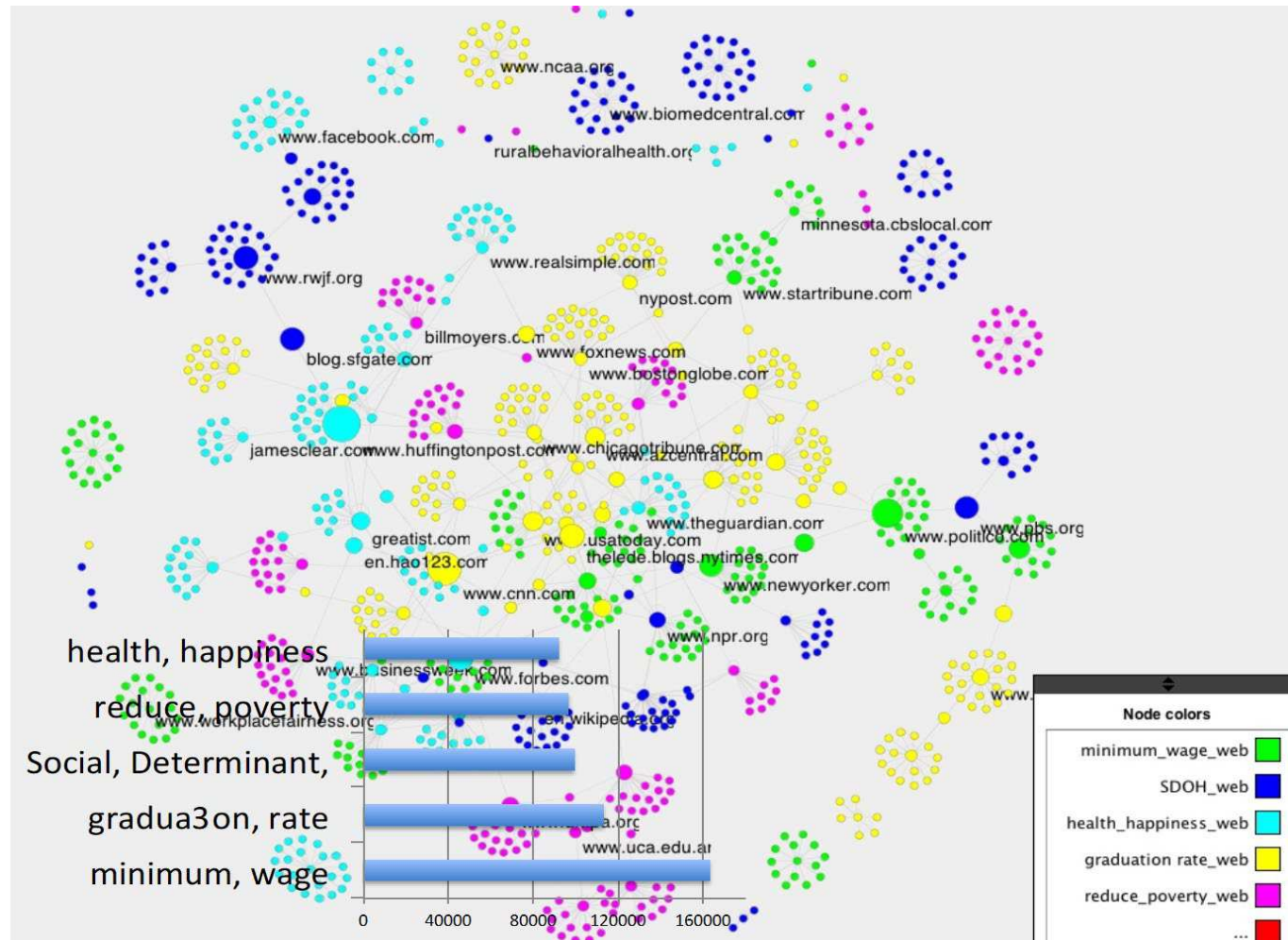
Occurrence of search terms across the globe



Graduation is not an issue in Europe

KEY SEARCH TERMS AND WEB SITES ON THE WEB

- SDOH is more popular on the Web than on Twitter: **SDOH is too complex to be discussed through 140 characters!**
- **PBS and NPR, and the Robert Wood Johnson Foundation:** the most important newsfeed about SDOH

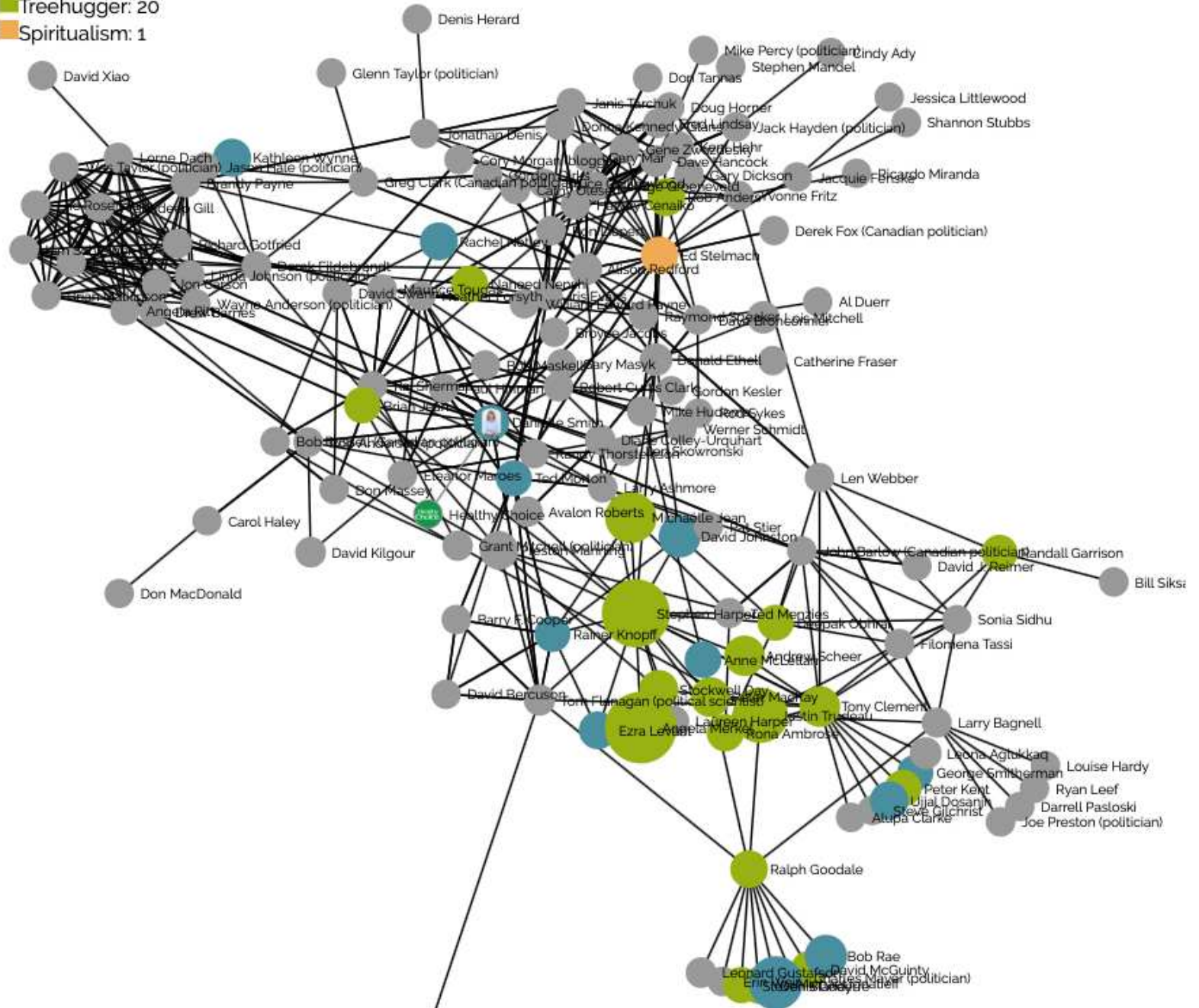


Your own

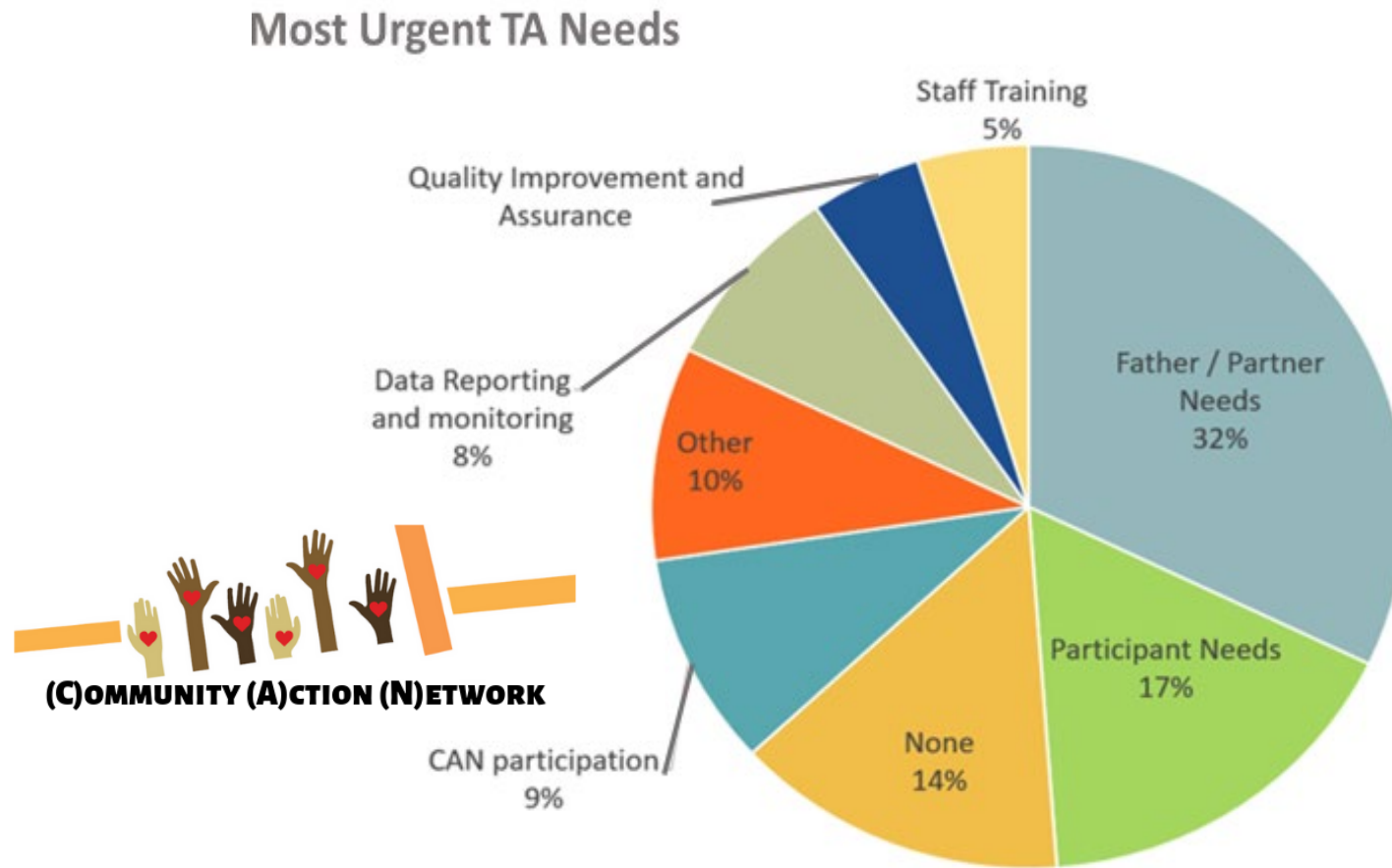
COIN?

healthy start

- Fatherlander: 1
- Nerd: 18
- Treehugger: 20
- Spiritualism: 1



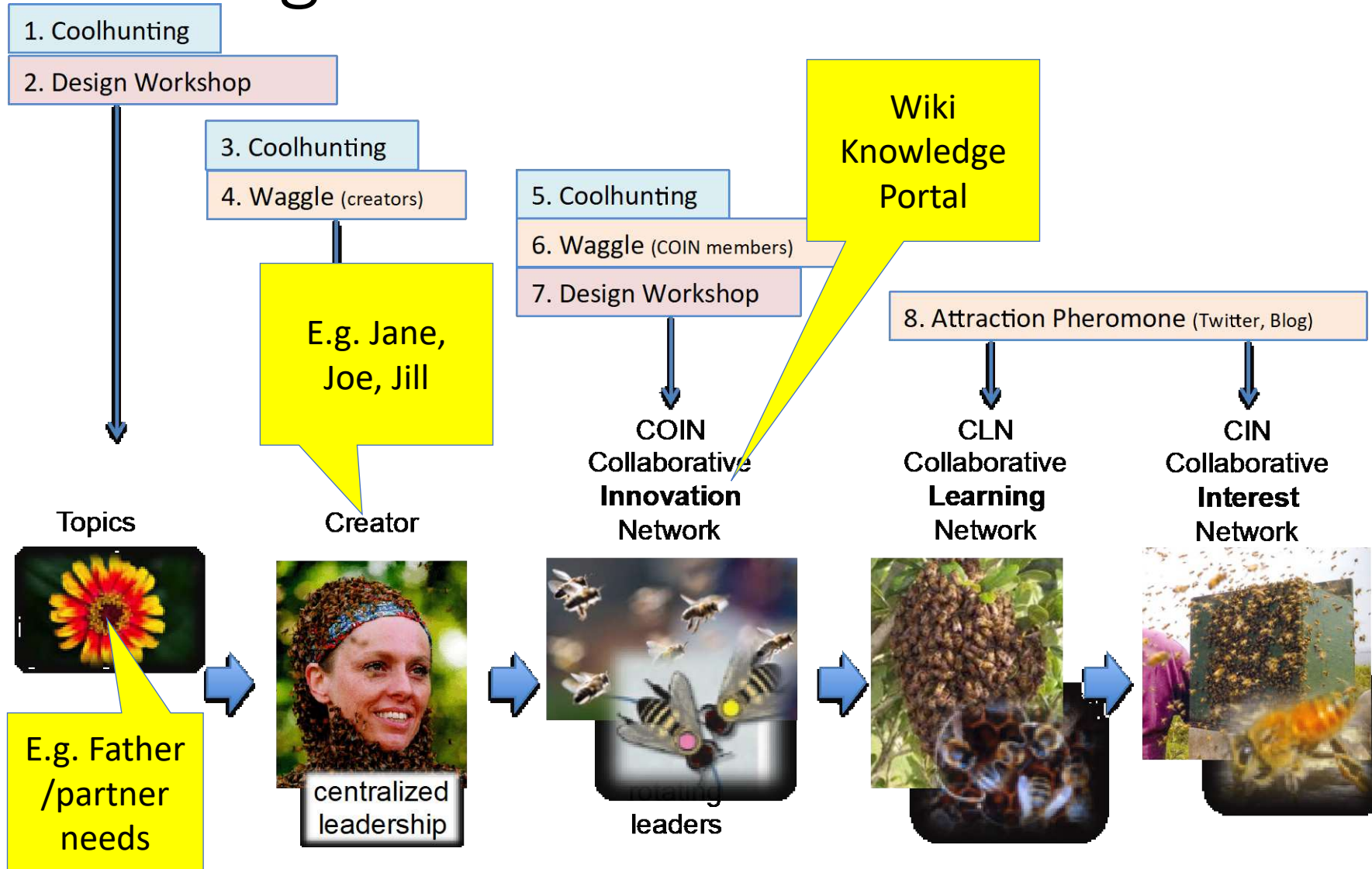
Your Topics? (from “Most Urgent TA Needs”)



What are your preferred topics for a COIN?

- Father/Partner Needs **A**
- Participant Needs **B**
- CAN Participation **C**
- Data Reporting **D**
- Quality Improvement **E**
- Staff Training **F**
- Other **G**

Coolfarming a new COIN



Next steps?

What are the deliverables of a new COIN?

1. Wiki (knowledge sharing portal - coolhunting)?
2. Stepping up - innovate?
3. Organizing virtual symposium?
4. Creating CLN network?



Next Steps for the
Healthy Start
COIN

Kenn Harris





Thank you!

NICHQ National Institute
for Children's
Health Quality





Questions?
Contact the
Healthy Start
Support Center at
healthystart@nichq.org
or Mary Emanuele at
memanuele@hrsa.gov